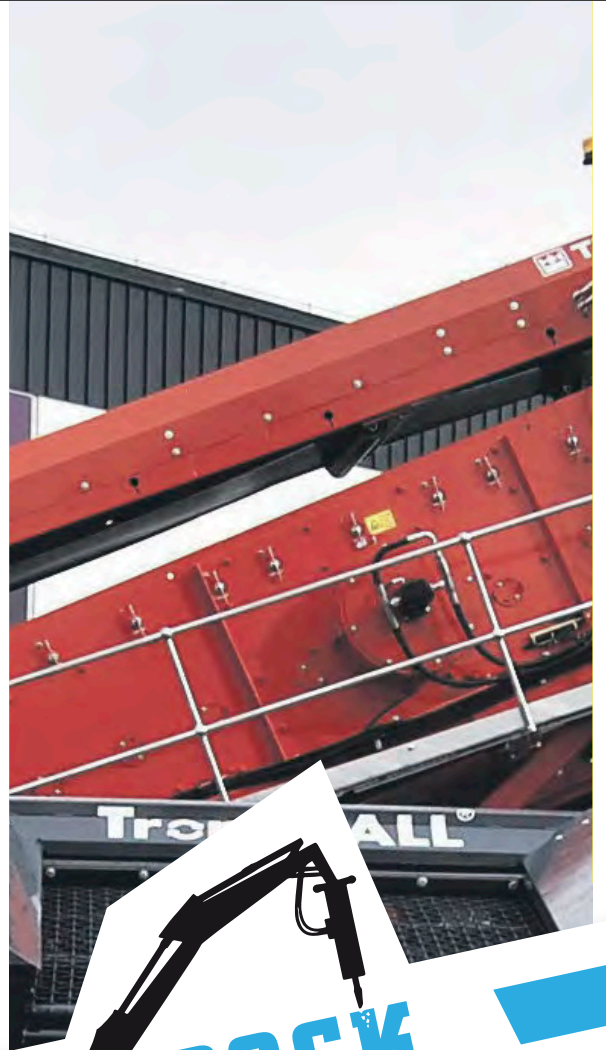




NOVEMBER 2018

ROCKROADRECYCLE.COM



**VISIONARY PARTNERSHIP
BOOSTS QUARRY UPTIME**



**MILE HIGH FLAWLESS:
TURNING A JOB INTO A
FAMILY BUSINESS**



**RECYCLING AND WASTE
HANDLING SOLUTIONS IN
FOCUS AT RWM 2018**



ROCK

Visionary partnership boosts quarry uptime 4

Prairie Dawg Practical by Tim Holmberg DEMI Equipment 5

Portable versatility from McCloskey International 17

Conveyor belt cleaner for tight spaces 19

Classifieds 20

Updated John Deere 944K hybrid wheel loader boosts Final Tier 4 engine technology 23

ROAD

Mile High Flawless: turning a job into a family business 4

Telematics in the “Big data” era: what manufacturers need to know Source: *AEM.org* 8

Underground equipment technology takes tunneling to new levels 10

Why being “OSHA legal” isn’t enough Source: *EHS Today* 20

Truck side guards for safety 25

Classifieds 32

RECYCLE

Recycling and waste handling solutions in focus at RWM 2018 3

Breakers and hydraulic hammers in focus 6

Cat® B-Prefix hammers feature low owning and operating costs, versatility, ease of use 10

Bandit celebrates 34th anniversary with dealers, customers and community 14

Morbark debuts new equipment at demo days event 24

Classifieds 28



Vol. 24 No. 3 November 2018

Visionary partnership boosts quarry uptime





- Screening media
- Portable screens

Frederick W. Lee
Publisher, President

Bruce Button VP, General Manager
bbutton@leepub.com

Jessica Mackay Production Coordinator
ext. 137 jmackay@leepub.com

Colleen Suo Editor
ext. 145 csuo@leepub.com

Gabbie Albrecht Social Media Coordinator
ext. 163 galbrecht@leepub.com

Ad Sales: 1-800-218-5586

Matt Stanley Sales Manager
ext. 124 mstanley@leepub.com

Peggy Patrel Classified Ad Manager
ext. 111 classified@leepub.com

Tina Krieger
ext. 108 tkrieger@leepub.com

Steve Pelosi
ext. 166 spelosi@leepub.com

Scott Duffy
802-484-7240 srduffy@together.net

Andy Haman
ext. 160 ahaman@leepub.com

Jessica Waite
ext. 116 jwaite@leepub.com

Christopher Nyce
267-261-4235 cnyce@leepub.com

Christine Attle
315-317-0905 christine.leepub@gmail.com

Patrick Burk
585-343-9721 burk.patrick1956@gmail.com

Free Subscriptions:
www.rockroadrecycle.com
rockroadrecycle.com/my-account/

Mention of product names in articles does not indicate an endorsement.
We do not guarantee claims stated by advertisers.
Permission is granted for reprinting of editorial content provided
RockRoadRecycle.com is given full credit.

Lee Newspapers, Inc.
PO Box 121 / 6113 St. Hwy. 5
Palatine Bridge, NY 13248
PH 518-673-3237



Visionary partnership boosts quarry uptime

On the cover:
L-R: David Nus, director of Global Key Accounts, Volvo CE; Will Gmerek, sales at Rudd Equipment Company; Mike Martin, aggregates area manager, Delta Companies Inc.; and Craig Griffiths, manager, Customer Solutions at Volvo CE.

Photo courtesy of Delta Companies, Inc. and Volvo

PG 4

20 Classifieds

5 Prairie Dawg Practical

by Tim Holmberg,
DEMI Equipment



17 Portable versatility from McCloskey International



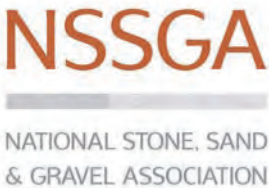
19 Conveyor belt cleaner for tight spaces



23 Updated John Deere 944K hybrid wheel loader boasts Final Tier 4 engine technology



Associations and affiliations:



Pyramex® Venture Gear™ announces optimal protection for your hearing

Protective safety products innovator Pyramex® announces additional hearing protection from the Venture Gear™ line of products designed to exceed the needs of those who operate in intense situations. The Clandestine and Sentinel Powered Ear-muffs give you options for amplified hearing of quiet sounds and protection from loud, harmful noise.

The Clandestine is a slim-profile muff with height-adjustment to fit all shapes and sizes. It has a foldaway, padded headband and is powered by two AAA batteries (included). The Clandestine has a NRR rating of 24dB and an omni-directional microphone that picks up the slightest noise and amplifies it through the

high definition speakers built into the ear cups. Rapid noise suppression technology immediately cuts louder harmful sounds from damaging hearing. The Clandestine is perfect for use at the range, or in the field. It allows the wearer to carry on normal discussions, even at a whisper, and still have total hearing protection when the decibel level gets too high. Wearers find them so comfortable that wearing them all day is easy and second nature. The Clandestine is available in black and black graphite colors.

The Sentinel is also a slim-profile powered earmuff. It too has a foldaway, fully adjustable, padded headband to fit a wide range of head shapes and sizes.

The Sentinel has front-facing microphones that amplify hearing, while rapid noise suppression technology reduces harmful noises down to a safe level. An auto-shutoff feature turns the power off after four hours on continuous use to extend the life of the two AAA batteries (included). The Sentinel offers an NRR rating of 26dB and has a 3.5mm AUX input jack for use with mobile, MP3 and other devices. The Sentinel is perfect for operations where cell phones or radios need to be used to coordinate team members. It is also ideal for range use for those that like a little music while sending rounds down range. The Sentinel is available in black and powder blue colors.



The Sentinel has front-facing microphones that amplify hearing, while rapid noise suppression technology reduces harmful noises down to a safe level.
Photos courtesy of Pyramex Venture Gear



The Clandestine has a NRR rating of 24dB and an omni-directional microphone that picks up the slightest noise and amplifies it through the high definition speakers built into the ear cups.



We had a ground man that did nothing but constantly clean up; that was his job. Now we don't have a ground man. We haven't shoveled the tail wheel or cleared anything out from under the conveyor since we installed these cleaners. I'm amazed by CleanScape®, it's been on for a year now and I haven't touched it. This material is sloppy, it's just muck that we're running. And then you look at the return side of the belt and the proof is right there. Absolutely phenomenal. Try it out for yourself, it's amazing.

– Trey Poulson | Fairplay Gold Mine, CO

visit martin-eng.com
800.544.2947 or **309.852.2384**
cleanscape@martin-eng.com



© Registered trademark of Martin Engineering Company in the US and other select locations. © 2018 Martin Engineering Company. Additional information can be obtained at www.martin-eng.com/trademarks and www.martin-eng.com/patents.

Visionary partnership boosts quarry uptime

*Delta operates five quarries and a sand and gravel pit.
Photos courtesy of Volvo CE*



The Delta Companies Inc. (Delta) is a site development and highway contractor specializing in asphalt paving and road construction materials, including aggregates. Delta operates five quarries and a sand and gravel pit. One of those quarries is located in Cape Girardeau, MO, near the Mississippi River. The Delta SEMO Quarry in south east Missouri has been a leading supplier of limestone to the local construction industry for more than 40 years. SEMO typically produces between 700,000 to one million tons a year from a 200-acre property with an open pit that is now over 400 feet deep. It is a solid business with ample reserves to keep serving customers for decades to come.

Delta knows its business and has a plan for the future but was not satisfied with that. As a subsidiary of the Colas Group, Delta can leverage benefits from the special relationship Colas has with Volvo CE as a global key account customer. One benefit is access to the manufacturer's site assessment program provided by its Global Key Accounts Management team.

practices and uncovers potential areas of improvement. This is an extended dialogue that concludes with a prioritized list of recommendations the customer can factor into its immediate and strategic plans.

Delta worked closely with Volvo CE to explore how to reduce costs and make its SEMO operation even more efficient. Taking a closer look at the customer's machine fleet is just one aspect in the complimentary site assessment program. Drilling, blasting, crushing, stockpiling – all were included and considered during the team's one-week site visit. They also looked at safety practices, site layout, business planning, reserves planning, environmental aspects and maintenance practice.

Taking the (over)burden out of mining

While SEMO operations were running well, little tweaks were suggested to boost things further. The Volvo CE assessment team – led by David Nus, director of global key accounts, and Craig Griffiths, manager of customer solutions – focused on an overburden project already underway and suggested ways to develop and maintain work benches and haul roads in an efficient and safe way.

Other suggestions included aspects of maintenance and fleet management for their mobile fleet, as well as tips for operating a new Volvo EC750E recently delivered to SEMO. This work complemented the day-to-day support provided by the Volvo CE dealer, Rudd Equipment Company.

"Our main role at Volvo CE is to sell mobile equipment, but that's not our only role," said Nus. "In these site assessments we want to be able to add value to our clients' operations, highlight what's important and advise organizations how to think strategically for the future. If Volvo CE can contribute in any way to a customer's success, we become more than just a supplier. We are a true business partner."

Small changes that make a big impact

SEMO is using a new Volvo EC750E excavator as a primary loader for its overburden removal though it does serve in limestone production as well. The excavator loads rigid dump trucks as well as articulated haulers, including a Volvo A40D articulated hauler that dates back to 2005 and boasts over 16,000

hours. The site assessment works well because it advises customers on the best way to use machines like these, to ensure the equipment is appropriate for the job at hand.

The findings from site assessment vary from client to client. Some require more input in the day-to-day operations on site, while others are looking for ways to maximize future profitability. By taking the time to really understand the dynamics of a business, like Delta, Volvo CE is not only able to help its customers improve their operations but also improve the way Volvo CE designs and plans its own machines and services to maximize uptime.

Delta SEMO is operated by Delta Companies Inc., a subsidiary of civil engineering giant Colas, who in turn is part of the Bouygues Group and has more than 50 quarries in North America. Volvo CE's site assessment program with Colas has run more than three years and covered sites in four subsidiaries across two continents to date.

"Our collaboration with Colas is proving to be an overwhelming success," said Griffiths. "They are world leaders in their industries so have little need for help in how to run their business. Where we do add value is by suggesting small changes to their current operations that will pay dividends for the future."



Will Gmerek and Mike Martin discuss site aspects.

In this program, the Volvo CE Key Accounts Solutions team dispatches specialists to review all aspects of a site operation. The team provides a deep analysis of current and future business, lifts up best



Volvo machines – the EC750E and A40D – working on site at Delta SEMO.



Prairie Dawg Practical

by Tim Holmberg, DEMI Equipment

Hey Prairie Dawg, “What is the reason for a portable screen?”

Why do you suppose there was a need for a portable screening plant? What could possibly be the reason a producer would need to take his screen with him to the job, versus leaving it where it is anchored as a stationary unit? How can a portable screen be as effective as a stationary one? Will portable screens become more popular than stationary models, or has that already happened?

Portable screens have actually been around since the early 1900's — and possibly before (depending on which definition of “portable screen” we are using). I can image ancient civilization figuring out how to classify or sort varying sizes of aggregates, since they first conceived concrete and other aggregate-based building projects — and most likely moved this sizing device between two connected chiseled wheels of stone. I can also imagine the most practical way to screen the aggregates would have been by hand-sifting motions and that this would have been the same time that the stationary counterpart was likely created — leaning against something stable, at a slant having material dropped onto the fixed inclined slant, allowing gravity to replace the manual sifting motion — which took a lot of energy to do. This would probably have been one of the first times the phrase “working smarter not harder” was delivered when asked how this came about.

Today, with all that we have at our fingertips, one can easily forget where the original concept of screening was invented. That's ok; it is always to the consumer's advantage to have competitive manufacturers trying to develop a better mousetrap on a yearly basis. Have we as manufacturers figured out all the benefits to building the perfect machine? No. Improvements are still being discovered regularly through productivity issues. Sometimes plant operators are best at discovering workarounds. Many homegrown temporary fixes have become igniters

to solutions.

Oftentimes, what works in one location can be totally ineffective in another and therefore full design changes can't always be 100 percent implemented throughout the product range. Screening is one of the most delicate processes within the industry due to specific gradation targets that are required in order to satisfy the next code or process recipe the material will be used for.

Today's portable screens can be operated electrically or hydraulically, but either way is far superior in productivity and effectiveness than ever before. Portable screens have, in my opinion, become the screen of choice over the stationary model, since being designed portable; it has also been designed to be more universal.

By being more universal it may give up some production efficiencies as compared to a dedicated stationary unit, but not as bad as one might assume. Portable screen plants are designed as self-contained and fully functioning plants with onboard stacking conveyors and feeders so that all you need is a rubber tire loader and you can be in business as a gravel producer, topsoil provider and even recycler — all because these portable screening plants are being designed with the customers' needs in mind, combining many features into one universal machine.

One machine hauled to a site becomes much more affordable, versus the many truck loads required to haul away, process and then haul back the site. This is the most important reason to take your portable screen to the job.

What keeps the portable screen from shaking away since it isn't anchored to a foundation? Many times, the portable's foundation is anchored to tracks, which having a significant footprint can easily be leveled within the parameters, offering excellent stabilization characteristics. Some of the larger portable screens

— either tire mounted or track mounted — come with self-leveling hydraulic legs that assist in the perfect leveling of a machine. This also creates firm anchoring characteristics, as they are rigidly mounted to the equipment without slip moments such as with multiple wood blocks stacked upon one another.

Portable screens are not going away — rather the opposite. They are increasing in numbers as producers are diversifying their offerings, requiring newer technologically based tools to help them perform their work better and more efficiently.

As cities grow in size and larger equipment has less room to establish itself within these tightening boundaries, the need for all-in-one production plants becomes more relevant.

Do these machines come with unforeseen issues that will need fixing and redesigning? Yes. Should that discourage a producer from investing in the product? No. Proceed with confidence that the industry has come a long way since the first units were produced. If maintained correctly you will be pleased to see the production results, as well as maintaining the resale value, since the market is only continuing to grow.

If you enjoy these random aggregates and quarrying equipment-based subjects, tune back in for more topics to come. Send me a subject or topic you would like brought to light and any associated questions you would like to have discussed and I will gladly provide my best answer based upon my specific point of view and personal experience.

Questions or comments? Email Tim Holmberg at prairiedawg@pdpractical.com or visit demiequipment.com.

Simply write me a letter and we will send you a T-shirt or ball cap:

Tim Holmberg / 2915 Idea Ave. / Aberdeen, SD 57401

FOR ALL YOUR COMPLETE CRUSHING SOLUTIONS



INCLINE & HORIZONTAL SCREENERS, CONE CRUSHERS, JAW & IMPACT CRUSHERS, RIP RAP PLANT WASH PLANTS, LOAD OUT BIN BELT FEEDERS & ROCK WOOD SEPARATOR



Made in the U.S.A

RD OLSON MFG
NORTHEAST DEALER
1-800-529-2515

MSHA issues updates to workplace examination standard

Source: *EHS Today* /

David Sparkman / Oct. 16, 2018

The Mine Safety and Health Administration (MSHA) has issued enforcement guidance updates to its final rule on examinations of working places in metal and nonmetal mines. Finalized earlier this year, the rule officially went into effect on June 2 but enforcement was delayed until Oct. 1.

MSHA's new requirements as of June 2 are:

- A competent person must complete a workplace examination at least once each shift for each working place where miners are scheduled to work.
- The examination must be conducted "before work begins or as miners begin work in that place."
- Mine operators must promptly initiate any necessary corrective actions for identified adverse health and safety conditions.
- Mine operators must provide timely notification of adverse conditions that are found but are not promptly corrected to miners who will be working in that place.

The examination record must be completed prior to the end of the shift, including the name of the person conducting the examination, the date of the examination, location of all areas examined, a description of each condition found which could adversely affect the safety or health of miners that is not promptly corrected and the date of corrective actions taken.

The mine operator must keep a copy of the examination record for one year and make the record available to MSHA and the miners' representative, with a copy provided upon request.

After the final rule was issued this spring, MSHA held stakeholder meetings in six cities across the country to provide outreach and compliance assistance materials to members of the industry.

New guidance offered

Margaret S. Lopez, an attorney with the law firm of Ogletree Deakins, notes that since the rulemaking began, MSHA has been providing mine operators with information on how the rule may be applied in mine inspections. The agency has been refining and adding to that guidance over time and recently issued critical new updates to its frequently asked questions (FAQ) on the rule.

For example, she points out that the latest guidance includes an important clarification on whether conducting a workplace examination will render someone an agent of the company and therefore subject to potential individual civil penalties.

"This is significant because there have been instances in which inspectors suggested to hourly miners that they are agents of the operator if they do a



workplace examination," Lopez says. "This has been causing a lot of confusion and needless concern."

The agency has stated clearly in the rulemaking record that doing a workplace examination does not impose agent status on an hourly miner. An earlier version of the FAQ was less clear on this point.

MSHA has now issued a more definitively worded answer, stating "conducting a workplace examination in and of itself does not make a miner an agent of the operator." Lopez notes that this should take care of this issue, and operators that hear inspectors saying otherwise might want to direct them to this document.

The FAQ updates are less clear in how the new rule addresses workplace examinations in relation to contractors working on mine property, she observes.

"Regarding the question of whether a contractor and production operator must both examine the same working place if they each have employees in the same area (also known as 'overlapping examinations'), the agency seems to be leaving open the possibility that a contractor's workplace examination for an area will suffice for the production operator's work in the area, and vice versa — but this is not entirely clear."

The FAQ only goes so far as to state that "production operators and contractors may arrange any number of ways to ensure that required workplace exams are completed."

Although it is not entirely clear, Lopez says MSHA's new guidance does seem to place the burden on the production operator to ensure that its contractors' workplace examination records are available to MSHA inspectors or miners' representatives after the contractor is no longer working at the mine.

The FAQ states that contractor examination records must be available at the mine and this can be accomplished by the contractor providing the production operator with a copy of the records. One concern of mine operators is that the new rule appears to leave open the opportunity for MSHA to use examination records as "evidence" of a violation, or to support higher negligence findings.



Stocking Equipment Dealer
Yemassee, SC 29902
843-525-6140
sales@sandscience.com
www.sandscience.com



61 Silva Lane, Dracut, MA 01826
978-454-3320
gilda@equimenteast.com
www.equimenteast.com

1474 Route 3A, Bow, NH 03304
603-410-5540



1772 Corn Rd., Smyrna, GA 30080
770-433-2670
sales@grindercrusherscreen.com
grindercrusherscreen.com



2351 Woodcrest Drive, Winter Park, FL 32792
407-468-6437
diversifiedecological@gmail.com
diversifiedecological.com

Ed's Equipment, Inc.
4567 East 71st, Cleveland, OH 44105
330-620-9993
ed@edsequimentinc.com

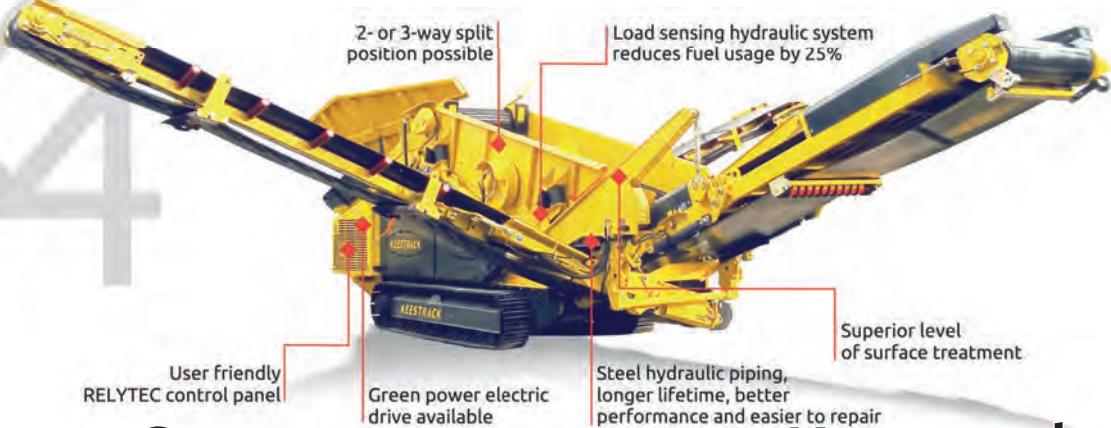
Keestrack USA Parts
Phone: +1 940-482-4004
Mob: +1 940-600-2034
Fax: +1 940-482-3005

WWW.
rockroadrecycle
.com

Performance in every detail



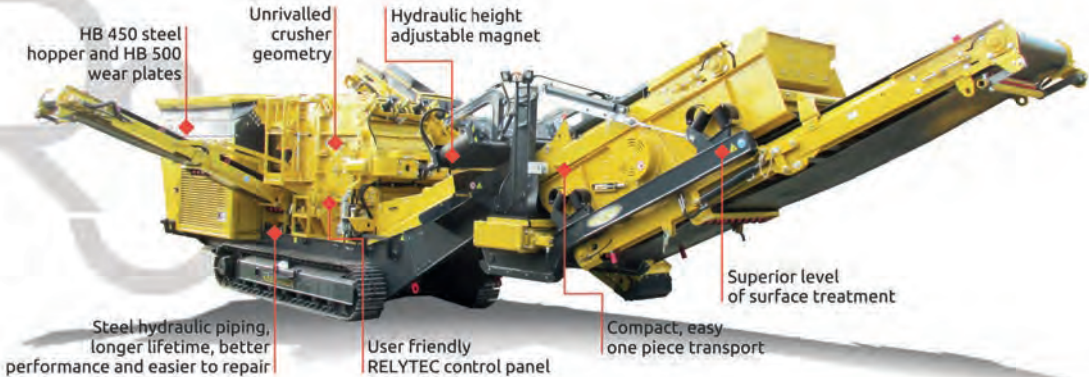
Mobile crushing & screening
24/7 Remote monitoring
Fuel efficient & hybrid systems
Minimum cost of ownership



Contact your nearest Keestrack dealer for more details



www.keestrack.com



TAS Commercial Concrete awarded Member Owner Safety Award by ASCC during Charlotte, NC conference

The Safety and Risk Management Council (SRMC) of the American Society of Concrete Contractors (ASCC), St. Louis, is pleased to announce that Tim Manherz, senior vice president of operations, TAS Commercial Concrete, Houston, TX, is this year's recipient of the ASCC Member Owner Safety Award, presented Sept. 20 at the association's annual conference in Charlotte. The purpose is to annually recognize one owner/executive of a contractor member company that displays a clear focus and passion for safety and provides the leadership that creates a best-in-class safety culture.

Manherz received a B.S. in construction from Arizona State University where he graduated with honors and was named "Outstanding Graduate" of his class. He is a member of the ASCC board of directors and current president of the Tilt-Up Concrete Association.

TAS works over 3,000,000 man-hours annually. For the past three years they have had an RIR average of 1.9 and an average EMR of 0.45. In nominating Manherz, TAS' employees wrote, "Safety has always been priority for TAS management, with Tim as one of the TAS Safety Team's biggest champions. Tim is the

live wire conducting the energy that binds production and safety into a unified force at TAS, now operating in Houston, Dallas and several cities in central Texas. His close work with and mentorship to the Safety Team ensures a constant line of communication between production and safety, thus facilitating a unity of action that ultimately benefits every TAS employee."

This award is in keeping with the number one goal of the ASCC Strategic Plan: Increase the number of contractor member owners who truly demonstrate a personal commitment to safety.

"Strong safety cultures thrive in organizations where leaders take an active role," says Mike Schneider, SRMC council director. "Contractor member owners that understand this know that building a true safety culture begins and ends with them: the priorities they set, the choices they make and their expectations of others. It requires effort and commitment from the top, but employees will tell you that it makes a difference."

Also awarded during the conference:

Safety awards

Concrete contractors with exemplary safety records for 2017 were also recognized during the annual conference on Sept. 20.

- W. Burr Bennett Awards for Safety Excellence were given to specialty contractor Lloyd Concrete Services, Rustburg, VA, and general contractor Shiel Sexton Co., Inc., Indianapolis, IN. These awards are presented in partnership with CNA, Chicago, to contractors that place the highest priority on safety.

Entries are judged on three years of safety performance indicators, values and trends; a self-assessment checklist of company safety practices; and detailed descriptions of safety plans and culture.

Additional awards based on the incident rate for 2017 were presented to general and specialty contractors in four categories.

- General contractors receiving the Outstanding Safety Achievement Award for the lowest incident rate were Sundt Construction, Phoenix, AZ (over 650,000 work hours); Linbeck Group, Houston, TX (120,000 – 650,000 work hours) and Anderson Contractors, Pierre, SD (less than 120,000 work hours).

- Specialty contractors receiving the Outstanding Safety Achievement Award were Alberici Construction, St. Louis, MO (over 400,000 work hours); T.B. Penick & Sons, San Diego, CA (100,000 – 400,000 work hours); and Poppoff, Inc., Moxee, WA (less than 99,000 work hours).

Thirty-eight contractors received awards for zero lost time due to accidents and 20 contractors were recognized for having lowered their incident rate from the previous year. Sixty-six contractors received certificates for achieving an incident rate below the national average.

- Three companies were recognized for outstanding fleet safety records: Lewis Construction, Schofield, WI, 294,000 miles with zero accidents; Briegan Concrete Construction, Clayton, NC, 950,800 miles with zero accidents; and Scott & Murphy, Bowling Green, KY, 2,916,539 miles with zero accidents.



To qualify for the scholarship, a student must be enrolled full time in the CIM program and maintain a minimum 2.5 GPA.

Photos courtesy of ASCC



Shiel Sexton Co., Inc., Indianapolis, IN, also received the W. Burr Bennett Award for Safety Excellence.



Left:

W. Burr Bennett Award for Safety Excellence received by specialty contractor Lloyd Concrete Services, Rustburg, VA.

Scholarships

The American Society of Concrete Contractors (ASCC) Education, Research and Development Foundation has awarded three scholarships to students in the Concrete Industry Management (CIM) program. Devan Whitworth attends Middle Tennessee State University, Murfreesboro, TN, and Cesar Rodriguez and Timothy O'Shea attend California State University, Chico, CA. Each received \$5,000.

To qualify for the scholarship, a student must be enrolled full time in the CIM program and maintain a minimum 2.5 GPA.

The ASCC Foundation was created in 1989 to fund education and research that advances the quality and productivity of concrete construction.



Joseph A. Hardick,
CPA, CCIFF

Getting to the bottom line

With Dannible & McKee, LLP

After the new tax law — depletion becomes top tax saver for pit owners

Like depreciation, depletion is an accounting item that is the allocation of costs associated with utilizing assets to generate revenue. Where the two differ is that unlike depreciation, which allots an expense associated with a physical asset such as equipment, depletion allots an expense associated with the extraction of natural resources. The process of mining natural resources entails bringing machinery to the extraction site, drilling into the ground and extracting it to the surface for sale or use.

With depreciation, it is easier to ascertain the useful life of the asset at hand and match it with the revenue that will be generated from the asset. Depletion, on the other hand, requires a less precise estimate. The Internal Revenue Code (IRC) Sections 611 and 613 provide two different methods one

can allocate depletion: cost depletion or percentage depletion.

Cost depletion is determined using the adjusted cost basis of the asset. When a taxpayer purchases the rights to a site, which he believes holds valuable natural resources, he estimates the amount of resources under on site. He would then take his adjusted basis (purchase price) and divide it by the estimated amount of resources to be recovered. This calculates the cost per unit that can be deducted when each unit is ultimately sold to another party.

Unlike cost depletion, percentage depletion ignores the adjusted basis of the site in calculating depletion. Rather, this method uses specified percentages provided by the Internal Revenue Code. These percentages dictate the amount of expense allocated to a sale. The percentages range from 5 to 22

percent based on the types of resources being extracted. The 5 percent category includes, but is not limited to: gravel, sand, and stone.

These percentages are multiplied by gross income on the sale of the resource. One important provision of percentage depletion is that in no event may the deduction exceed 50 percent of the taxable income from the property before the depletion. Even given this limitation, percentage depletion has one major advantage over cost depletion: it is possible to claim aggregate depletion deductions that exceed the original purchase price of the site. That means we get a deduction even after we have expensed the entire basis.

For example, if a taxpayer purchases the rights to a mineral interest for \$1,000,000, he cannot only deduct the full purchase price, but additional deductions provided by the percentage depletion method. Thus, as long as the taxpayer is generating income from the site, he gets a percentage of that income as a deduction from income even after the full \$1,000,000 cost basis is expensed to \$0. This gives pit owners a “free” deduction every year. Under cost depletion, the taxpayer may in no circumstance write off more than his \$1,000,000 purchase price.

Congress enacted the percentage depletion method to incentivize taxpayers to invest in the development of natural resources. Unfortunately for taxpayers, the introduction of the Alternative Minimum Tax (AMT) effectively took back this benefit to raise taxes.

In accordance with IRC Section 57(a) (1), the depletion deduction taken, over the adjusted basis of the site, is added back as a preference item to AMT. In instances where percentage depletion is utilized, a taxpayer would have a smaller regular tax liability compared to use of cost depletion. However, the AMT addback would result in an additional tax liability due to AMT being higher than their regular tax liability. This renders percentage depletion less effective.

Tax Cuts and Jobs Act

The Tax Cuts and Jobs Act is the biggest change to the Internal Revenue Code since 1986, with most provisions effective January 1, 2018. Included in the provisions are significant changes to AMT. For C-Corporations, AMT has been entirely eliminated. This means that companies will not be negatively affected by taking percentage depletion over cost depletion due to AMT.

For pass-through entities (S-Corporations and Partnerships), the percentage depletion addback is still applicable as Individual AMT. However, the phaseout thresholds have been increased significantly. Pass-through shareholders will be less likely to be subject to AMT, which is why percentage depletion will bring them regular tax benefits without diminishing them through AMT addbacks.

The new tax law has given pit owners tremendous benefits; please do not miss the tax savings available.

For over 40 years, Dannible & McKee, LLP has worked with clients engaged in mining activities whether it be for construction material, gravel, or stone. Throughout that time, we have utilized percentage depletion to minimize our client's regular tax liability while minimizing AMT. This synopsis highlights only one of the important initiatives taxpayers must take in order to minimize their Corporate and personal tax liabilities. With the newly enacted Tax Cuts and Jobs Act, it is more important than ever to understand the tax implications that effect anyone involved with extracting natural resources.

Joseph A. Hardick, CPA, CCIFF is a Tax Partner with Dannible & McKee, LLP, a Syracuse, NY based public accounting firm with more than 90 professionals has been providing services to the construction industry since its inception in 1978. You may contact him at (315) 472-9127 or visit the firm online at www.dmcpas.com.

North American Attachments
800-380-8808
www.excavator-attachments.com

Grapples





“ World of Asphalt is a **one-stop shop** because you have distributors, you have suppliers, and you have **everything you need in the asphalt business** all right here. ”



[**PAVING THE FUTURE**]

February 12-14, 2019 • Indianapolis, IN, USA

Register in advance and save over 35% at www.worldofasphalt.com
or text **"ASPHALT"** to 313131.

Co-located
with
**NSSGA
AGG1**
AGGREGATES ACADEMY & EXPO

Van Tongeren system classifies aggregates without water

LEBANON, PA — Process equipment manufacturer Van Tongeren America has unveiled a Gravitational-Inertial Classifier (GIC) system that automatically separates dry materials without using water. Developed to replace the traditional wet separation process that often consumes millions of gallons of water daily with a dry process that needs no water, the pneumatic air classifier system harnesses gravitational, inertial, centrifugal and aerodynamic forces at the same time to separate particles at any cut point from 300 µm to 63 µm (50 to 230 mesh). The proprietary, heart-shaped GIC design passes a current of air through a curtain of falling material then directs

each particle towards a series of vanes where coarse particles are discharged and entrained fine particles are recirculated in an eddy current until discharged and captured by a dust collector. Ideal for classifying manufactured sand, frac sand, crushed stone, cement, salt, lime, soda ash and a variety of aggregates and minerals, the GIC system is designed with no moving parts for dependable service and nearly zero maintenance in unattended, 24/7 operation. Proven in multiple installations, the novel air classifying system has reduced operating costs, streamlined operations and eliminated the need for settling ponds, in addition to saving water.



The GIC system is designed with no moving parts for dependable service and nearly zero maintenance in unattended, 24/7 operation.

Photo courtesy of Van Tongeren



Empire Series Stationary Plant

Custom built portable and stationary plants
All Plants built for seismic calculations of delivery site
Complete line of materials handling and dust equipment available
Complete line of Ready Mix Reclaimers and Slurry Recovery Systems
Family owned since 1957



www.stephensmfg.com
(800) 626-0200

Members of:



Find us on:



www.facebook.com/pages/Stephens-Manufacturing/172925979476180

CONROC DISTRIBUTION
320 Fair Haven Rd.
Alameda, CA 94501
510-337-1350

Two Screen Machine portable options

Spyder 514TS

The Spyder 514TS is a patented track-mounted, reverse screening plant designed for primary or secondary screening of rock, sand & gravel, soils and other materials. Its 5 x 14-foot (1.5 m x 4.3 m) double-deck screen is capable of producing three finished products simultaneously. The versatile 514TS can be used as a stand-alone screen or in conjunction with a crusher to easily recirculate oversized material back into the crusher for further reduction.

Spyder 514TS3

Based on the 514TS platform, the Spyder 514TS3 triple deck screen takes efficiency and productivity to a new level. The 514TS3 can deliver four finished products simultaneously — fines, small mids, large mids and overs. The 5-foot x 14-foot (1.5m x 4.3m) triple-deck has been designed for maximum output and minimal downtime.

Specs include

- Optional triple deck screen (Spyder 514TS3)
- 5-foot x 14-foot (1.5 m x 4.3 m) triple deck screen box (includes additional stacking conveyor)
- Standard double deck screen
- 5 foot x 14-foot (1.5m x 4.3m) double deck two bearing screen
- 5 foot x 12-foot (1.5m x 3.7m) bottom deck

Adjustable screen angle:

- Engine / Control
- Yanmar 84 HP turbocharged diesel engine — current tier flex

Wireless remote control operation

Conveyors:

- 42-inch (1067mm) wide fines conveyor
- 13-foot 10-inch (4.2m) discharge height
- Side discharge belt angles: 18° – 24°
- 24-inch (610mm) wide overs conveyor
- 16.5-foot (5.04m) discharge height
- 24-inch (610mm) wide mids conveyor
- 16.5-foot (5.04m) discharge height

Hopper Feeder:

- Standard grizzly
- 8 cubic yard (6.1 cu. m.) hopper
- Low feed height of 9-foot 4-inch (2.8m) without grizzly

Structure / Undercarriage:

- Heavy-duty tracked undercarriage
- 15.7-inch (.4m) shoe width for low ground pressure

Unique / Patented Features:

- Patented Smooth Start® technology – U.S. #6,669,026
- Independent hydraulics



The 514TS3 can deliver four finished products simultaneously.



514TS3 triple deck screen takes efficiency and productivity to a new level.



The Spyder 514TS is a patented track-mounted, reverse screening plant designed for primary or secondary screening. Photos courtesy of Screen Machine

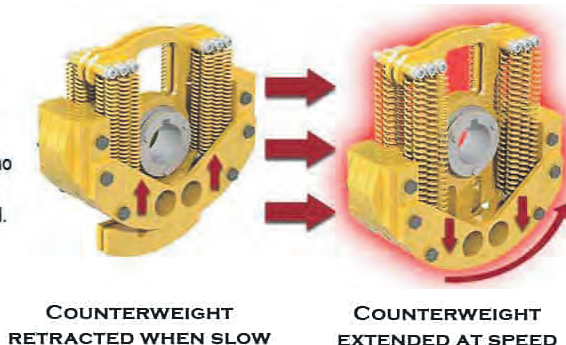


Both models come with standard grizzly and an eight cubic yard hopper.

Patented Smooth Start®

Smooth Start® technology eliminates the risk of machinery damage caused by slow speed, violent shaking during warm up or cool down periods.

At slow speeds, shaker weight is retracted, creating no shake. As shaft spins up to operating speed, weight extends, creating shake necessary to screen material. This process works in reverse during shutdown.



Aggcorp Equipment Systems

22800 Lakeland Blvd., Euclid OH 44132

216-732-8992

info@aggcorp.net,

smcivor@aggcorp.net

www.aggcorp.net



Emerald Equipment Systems

7600 Morgan Rd., Liverpool NY 13090

315-437-1977

sales@emeraldscreening.com

www.emeraldscreening.com



Powerscreen Crushing & Screening LLC

11901 Westport Rd., Louisville KY 40245

502-320-9300

justin@powerscreensales.com

www.powerscreensales.com



Powerscreen of Florida, Inc

5125 North Frontage Rd., Lakeland FL 33810

863-687-7153

sales@powerscreenfla.com

www.powerscreenfla.com



Powerscreen Mid-Atlantic Inc

715 Indeneer Dr, Kernersville NC 27284

(800) PWR-SCRN

sales@powerscreenmidatl.com

www.powerscreenmidatl.com



A TEREX BRAND

COMPACT WITH IMPACT



IDEAL FOR
URBAN USE

COMPACT



QUICK
SETUP TIME

EASE OF USE



WIDENING
MATERIAL PATH

OPTIMAL MATERIAL FLOW

For more information please contact us

Tel: +1 502 736 5233 **Email:** evoquip@terex.com



terex.com/EvoQuip

Yoder & Frey reports massive interest in its end-of-year auction at Ashland, Ohio on Dec. 6

The December sale is always a popular end to the year. With more bidders, more attendees and more stock for sale than the previous sales in 2018 (and scheduled before the now-famous Kissimmee winter equipment sale commences for a week from Feb. 12-16, 2019) it is already building to be even better than before.

"In all the early discussions we've had with consignors we've recommended that they confirm what stock and equipment they will be sending to the Ashland and Kissimmee sales as we are anticipating a full catalog for the last sale of what has already been a fantastic year and 2019 looks like it will be off to a flying start," stated Peter Clark, President of Yoder & Frey. "There's a growing appetite in the U.S. to buy and sell used and near new machinery at auction and we've seen a massive increase in the number of consignors sending equipment to our sales. Similarly we've seen a huge rise in the number of bidders signing up to participate at our auctions in the expectation of securing a great deal — and they are rarely disappointed. This sale should be a real winner for both consignors and bidders."

Some of the top lots already consigned to the Ashland sale include an array of 20-ton excavators, a good selection of wheel loaders, 4WD rough terrain forklifts and cranes along with a growing list of dumpers, dozers, crushers/screeners, compactors, pavers, trucks, trailers and a plethora of attachments, buckets and accessories. Indeed something for almost everyone.

"Being part of the Euro Auctions Group global network of companies provides Yoder & Frey with access to a global market place in which to promote consignors equipment to over 150,000 buyers in over 95 countries," concluded Clark. "Our free to use, robust and secure online sales platform also means we reach a much wider audience and this truly underpins the Yoder & Frey brand and has helped us expand significantly over the past couple of years."

Plans are currently being pulled together for an en-



Some of the top lots already consigned to the Ashland sale include an array of 20-ton excavators, a good selection of wheel loaders, 4WD rough terrain forklifts and cranes along with a growing list of dumpers, dozers, crushers/screeners, compactors, pavers, trucks, trailers and a plethora of attachments, buckets and accessories.

hanced schedule of auctions in 2019 at Yoder & Frey sites across the USA and inventory is already being consigned for the now famous, Kissimmee winter equipment sale, which commences for a week from Feb. 12-16, 2019.

All auctions offer potential buyers great opportunities to acquire some impressive lots.

For further information for auctions in the USA please visit Yoder & Frey's [website](http://yoderandfrey.com) or email at info@yoderandfrey.com.

Catalogues and further information on the global auctions being organized by Euro Auctions are also available euroauctions.com.

Timothy Hansen named to position at CIS Quality Parts and Components

KNOXVILLE, TN — Timothy Hansen has joined CIS Quality Parts and Components as the Business Development Manager of Mining.

Hansen brings with him more than 18 years of experience in manufacturing parts and components for OEMs in the mining, earthmoving and construction sectors. He has more than six years of experience in manufacturing undercarriage solutions for the mining and earthmoving sectors. Hansen joins CIS from Intertractor (ITM) of North America, where he served as general manager of North America operations. At ITM, Hansen was responsible for manufacturing and the distribution of undercarriage parts and solutions to the OEMs. Prior to ITM, he was the director of aftermarket sales of Berco of America, a manufacturer of undercarriages.

Hansen brings a proven track record of success in the mining and earthmoving sector. His undercarriage expe-

rience will be invaluable in expanding CIS product coverage. Hansen holds an MBA from Keller Graduate School of Management. He has a MS Degree from Michigan State University in Strategic Planning and Leadership, as well as a BS in Technical Management.

"I look forward to joining the team at CIS Quality Parts," said Hansen. "The company was founded with a philosophy of providing the best quality parts at competitive prices with a strong commitment to outstanding customer service."

Founded in 1997, CIS stocks and distributes aftermarket parts and remanufactured components for mining, construction and earthmoving equipment. It exports to more than 60 countries worldwide. In 2017, it received the prestigious Governor's Award for Trade Excellence from Governor Bill Haslam of Tennessee. CIS is a member of the Independent Distributors Association.



People in the industry



Timothy Hansen has joined CIS Quality Parts and Components as the Business Development Manager of Mining. Photo courtesy of CIS

yoder & frey

HEAVY EQUIPMENT AUCTIONS



268 East 4th Street
Ashland, OH 44805
License Number: C003078

T. +1 419.309.6500



ASHLAND, OH

December 6th @ 8.30am

CONSIGN YOUR EQUIPMENT NOW!

**DO NOT MISS
THIS CHANCE**

Expose your underutilized machines to a vibrant and growing US marketplace of eager buyers and turn your machinery into **CASH** - it's as simple as that!



**2013 Komatsu
PC360LC-10 - choice**



2012 Volvo EC380DL



**Unused CAT 308E2CR
- choice**



2012 Case 850L



Unused CAT 906M



Unused Case 321F



**Unused Case SR130
- choice**



**Unused CAT CB2.7
- choice**

View our full inventory online: www.yoderandfrey.com

CALL NOW TO CONSIGN YOUR EQUIPMENT:

Kevin Teets +1 304.266.2955

Peter Clark +1 419.356.4612

Daryl Houle +1 603.856.1689

Kevin Pittman +1 419.654.5462

Joe Thurston +1 407.388.4888

Steve Watson +1 678.414.4110

Haver & Boecker proves increased screen media longevity through field-testing

Haver & Boecker, a leading equipment manufacturer and solutions provider in aggregates and mining applications, offers Ty-Max and Ty-Wire screen media, now with longer wear life proven through extensive field-testing.

"Product testing is an ongoing process conducted to ensure products are not only meeting customer expectations, but exceeding them," said Karen Thompson, Haver & Boecker Canada president. "Through rigorous testing in the field, we discovered these products are proving to be even more durable than originally anticipated, leading to fewer screen changeouts, less downtime and longer wear life."

Ty-Max lasts seven to nine times longer than traditional woven wire cloth, while Ty-Wire stands up four to seven times longer. Each is poured open cast, allowing the screen media to harden when cured to resist wear and tear, offering one and a half to two times longer wear life over injection-molded products.

Haver & Boecker offers polyurethane media in a variety of options to fit the needs of any operation. Producers choose Ty-Max when they are looking for more wear life on their side-tensioned screen deck. Because it is side-tensioned instead of modular, it can be combined with other side-tensioned screen media on a cambered deck to create the optimal balance between wear life and open area. Ty-Max openings range from 3/32 to 4 inches.

Ty-Wire is a hybrid between polyurethane and woven wire and is available with openings ranging from 1/8 to 1-5/8. The low-maintenance and lightweight qualities make Ty-Wire safer and easier to install than traditional woven wire, and it

offers greater open area than polyurethane. It is available in both side-tensioned sections and modular panels.

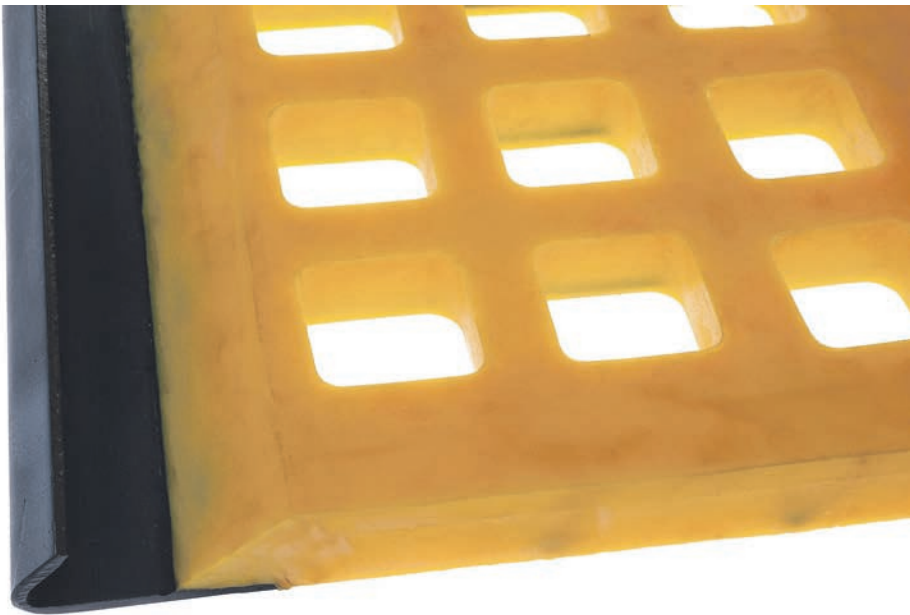
Both feature a tapered opening design that releases more near-sized material, allowing the screen to self-clean.

Typically, a switch from woven wire cloth, which requires a cambered deck, to a polyurethane modular product requires a costly deck conversion. However, with Ty-Max and Ty-Wire, producers can switch to polyurethane or a hybrid screen media without the added expense of converting their cambered deck.

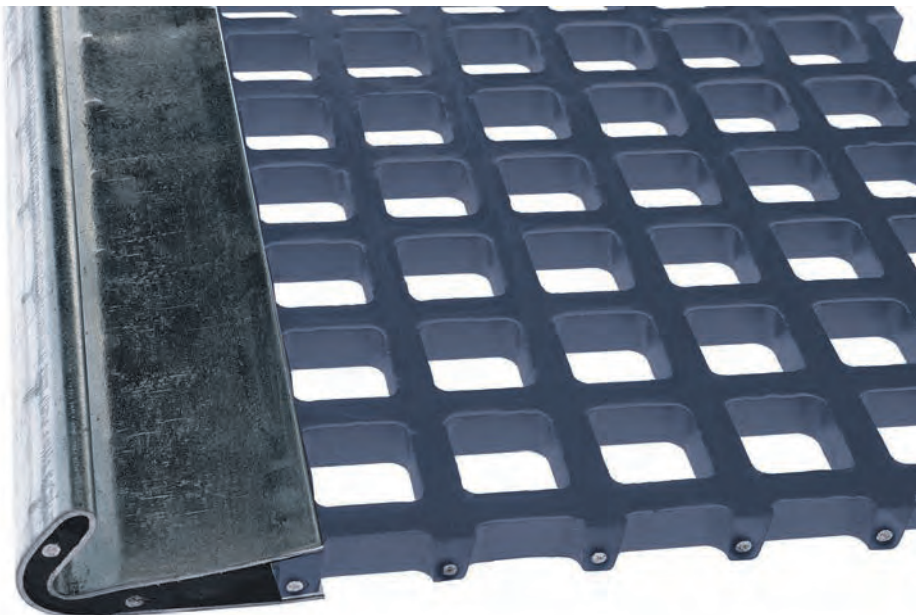
Additionally, Haver & Boecker's certified sales team works directly with aggregates and mining operations to determine the best screen media combination for each unique application. Ty-Max and Ty-Wire can be blended with perforated plate, rubber, woven wire or self-cleaning screens to extend wear life and improve performance of the screen media overall.

For example, installing a section of Ty-Max at the feed end will help alleviate the additional wear that comes with the initial material impact. Also, Ty-Wire can be used in the middle of the deck where basic screening takes place to give operators the ideal combination of wear life and open area. Using woven wire or self-cleaning screens at the discharge end will provide maximum open area at the end of the deck.

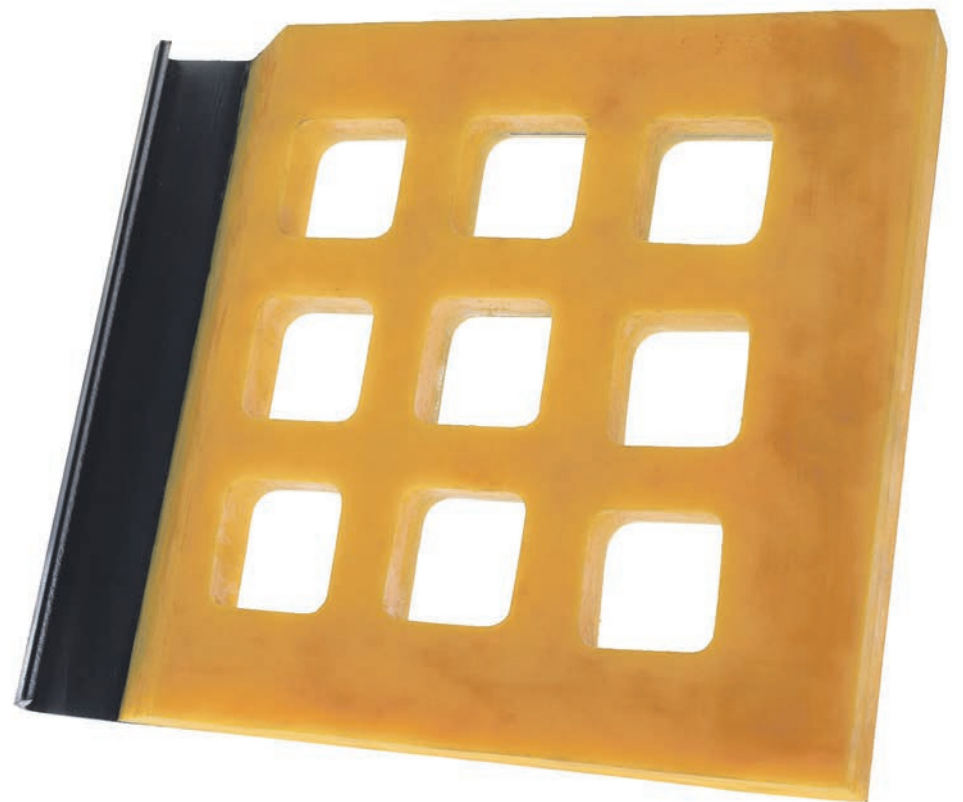
To find out more about the benefits of Haver & Boecker engineered screen media, email info@havercanada.com or call 800•325•5993.



Ty-Max openings range from 3/32 to 4 inches.



Ty-Wire is a hybrid between polyurethane and woven wire and is available with openings ranging from 1/8 to 1-5/8.



Producers choose Ty-Max when they are looking for more wear life on their side-tensioned screen deck.

Photos courtesy of Haver & Boecker

Portable versatility from McCloskey International



The high-energy 14x5 (4200x1524mm) screenbox of the S130 provides comparable product capacity with other larger class competitor's models.

Photos courtesy of McCloskey International

A few of the more portable screeners offered by McCloskey International include the S80, the S130 and the R70. With the many features and options available, operators can increase their ability to match machine with application.

Highly portable screener

The S80 is designed for users who require less capacity than the S130 and S190 models offer, but are not willing to sacrifice the quality features found on the McCloskey S-Range. These features include a high-energy screenbox, large hopper and large engine bay. The S80 can employ the steepest screen angle of any three-way-split screening plant currently available, ensuring best-in-class screening ability in materials like sand and peastone. Users with smaller floats or in areas with strict transport regulations will benefit from the smaller transport dimensions.

High-energy screener

The McCloskey S130 high-energy screener is used across a wide range of applications, including aggregate, coal, crusher circuits and wood chips. The S130 is re-

nowned for its fine sand screening and is impressing customers worldwide with its production capacities. With the S130, you get class-leading S-Range features like the aggressive high-energy screenbox and user-friendly operation. The S130's unique size is designed to meet demands of operators who require significantly more screening capacity than a 10' or 11' screenbox, but may not require the higher capacity of a 20' plant.

Portable and durable

The McCloskey R70 delivers the versatile, heavy-duty configuration that is expected of the R-Series screeners, but can be transported easily and economically. The R70 is a perfect fit for contractors that require the ability to tackle large numbers of smaller heavy-duty construction, demolition and remediation projects. The R70 is built with the durability and screening performance that McCloskey International has built its reputation on, using high-quality components and the innovative McCloskey high-energy screenbox.

For more information and complete specs on these and other McCloskey screeners, visit their [website](http://www.mccloskey.com).



S130 is renowned for its fine sand screening and is impressing customers worldwide with its production capacities.



The S130 hopper's 14-foot grid opening allows the use of larger loading shovels.



The S80 can employ the steepest screen angle of any three-way-split screening plant currently available, ensuring best-in-class screening ability in materials like sand and peastone.



The R70 is a perfect fit for contractors that require the ability to tackle large numbers of smaller heavy-duty construction, demolition and remediation projects.



Users with smaller floats or in areas with strict transport regulations will benefit from the S80's smaller transport dimensions.



The R70 features high quality components and the innovative McCloskey high-energy screenbox.

ADVERTISE IN

RockRoadRecycle.com



YOUR DYNAMIC NEWS RESOURCE FOR THE AGGREGATE,
HEAVY CONSTRUCTION AND RECYCLING INDUSTRIES.

Log in to rockroadrecycle.com for
a FREE subscription.



DECEMBER - Editorial Focus

Primary and Secondary Crushing/Scales
Deadline 11/7/18

JANUARAY - Editorial Focus

Primary and Secondary Crushing/AGG1 Pre-show
Deadline 12/20/18

FEBRUARY - Editorial Focus

Portable Plants/Wash Plants/Scales & Weighing
Deadline 1/17/19

ADVERTISE YOUR
EQUIPMENT & SERVICES

INSERT YOUR BROCHURE
IN OUR DIGITAL PUBLICATION

POST YOUR VIDEOS

PROMOTE YOUR AUCTION

1-800-218-5586
info@rockroadrecycle.com



Conveyor belt cleaner for tight spaces

The new SQC2STM RM (Reduced Mini) Cleaner from Martin Engineering is a compact secondary belt cleaner that allows installation in close quarters built with a narrow profile that resists material build-up. Patented rubber buffers maintain cleaning pressure on the new design engineered to deflect and allow splices to pass without damage to the belt or cleaner — even on reversing belts. The rugged construction incorporates individually cushioned stainless steel blades with tungsten carbide tips for effective cleaning with negligible risk to belt, splice or blade. It can even withstand punishing operating conditions including corrosive environments, high-speed belts and high-tonnage loads.

“The blades conform to the belt profile, adjusting individually to deliver continuous contact across the belt,” explained Dave Mueller, conveyor products manager at Martin Engineering. “In a perfect world, bulk materials would load uniformly, wearing the blade evenly, but that rarely happens. By having multiple segments attached to a single rigid assembly, the tension can be maintained and adjusted accurately, quickly and safely.”

Like the other designs in the SQC2 product line, blade removal and replacement is a simple operation by removing the lock pin from the main support assembly and sliding out the cartridge. The lock pins are a key component to Martin Engineering’s “no-reach design,” which allows workers to conduct their lockout / tag-out procedure more safely. The unit is one of Martin Engineering’s Safety First™ family of products, helping customers achieve OSHA compliance.

Suitable for belt widths from 18-72 inches (450-1829 mm) and operating speeds up to 750 fpm (3.81 m/sec), the SQC2S RM blade sections conform to the belt profile by adjusting individually to deliver continuous contact across the entire belt. The unit can be used in applications involving operating temperatures between -30°F and 300°F (-34°C and 149°C). The design features all steel powder coated construction (except for the rubber buffer). A dust-tight door to cover the opening for the mainframe has also been designed to fit the reduced component size for a clean, efficient installation.

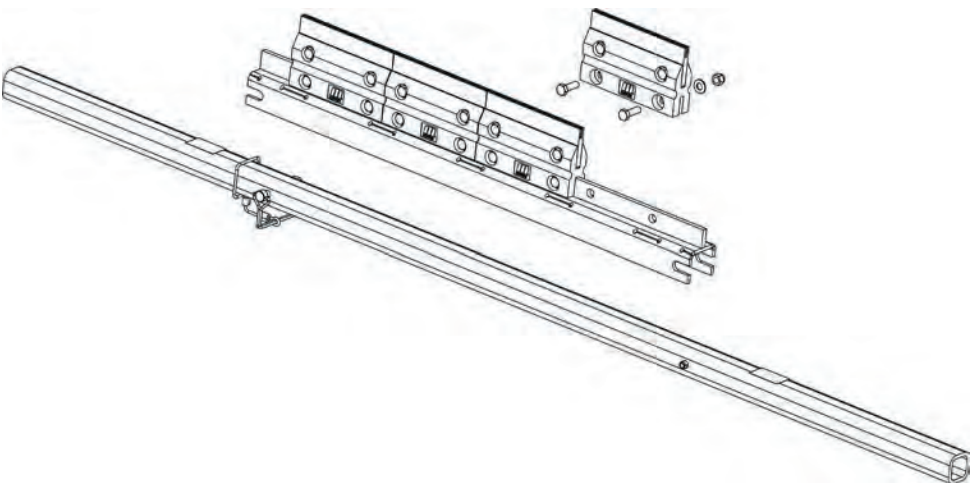
The SQC2S RM requires just 5.27 inches (134 mm) of space from the tip of the blade to the bottom of the mainframe. Similar to the original design, when the blade wears out, the removable cartridge allows easy replacement so the end user can have a spare cartridge on the shelf. When the time comes to switch them out, the conveyor is only out of service for a matter of minutes. The used cartridge may then be taken back to the shop where the blades can be replaced and the cartridge put back on the shelf for the next changeout.

The tensioners allow simple adjustment of blade-to-belt pressure to maintain cleaning efficiency, regardless of blade wear. The SQC2S RM is expected to find utility in applications where installation space is at a premium, including bio-mass, recycling, waste-to-energy, trash sorting, foundries and steel production.

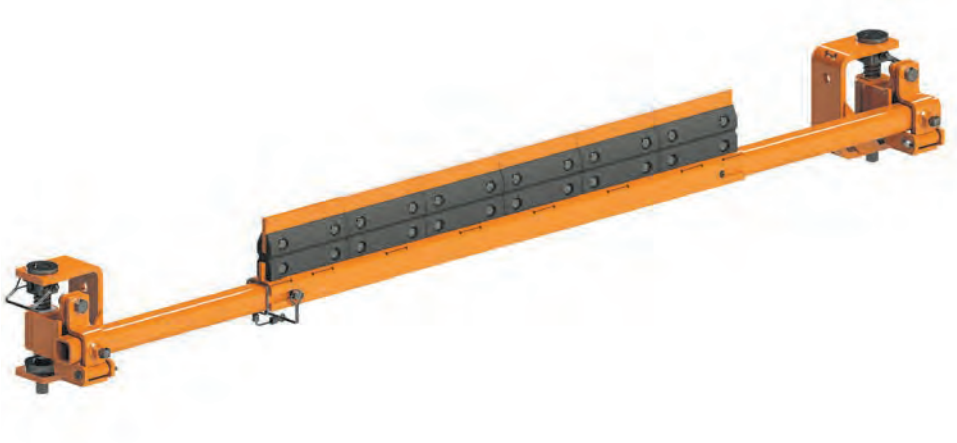
For more information visit martin-eng.com.



Blade replacement is a simple operation by removing the lock pin and sliding out the cartridge.



The rugged construction features individually-cushioned tungsten carbide blades for effective cleaning.



The SQC2S RM is a compact secondary belt cleaner for installation in tight spaces.



The new design can withstand punishing operating conditions including high-speed belts and high tonnage loads.

Photos courtesy of Martin Engineering



To Place A Classified Ad Phone 1 (800) 836-2888 • Fax (518) 673-2381 • E-mail: classified@leepub.com

RRR Mailing Address Classifieds,
PO Box 121, Palatine Bridge, NY 13428

Number / Classification

- 20 Air Compressors
- 25 Air Tools
- 35 Announcements
- 45 Antiques
- 55 Appraisal Services
- 60 Asphalt Equipment
- 70 Attachments
- 80 Auctions
- 85 Backhoe/Loaders
- 135 Bits
- 150 Buckets
- 155 Building Materials/Supplies
- 157 Building Repair
- 160 Buildings For Sale
- 165 Business Opportunities
- 190 Chain Saws
- 200 Chippers
- 220 Compaction Equipment
- 225 Composting Equipment
- 230 Compressors
- 240 Concrete Mobile Mixers
- 245 Concrete Products
- 255 Construction Demolition
- 265 Construction Eq. For Rent
- 270 Construction Eq. For Sale
- 275 Construction Machinery Wanted
- 277 Construction Services
- 278 Construction Subcontracting
- 280 Construction Supplies
- 300 Conveyors
- 310 Cranes
- 320 Crushing Equipment
- 375 Dozers
- 400 Drills
- 415 Employment Wanted
- 425 Engines
- 430 Excavators
- 470 Financial Services
- 494 For Lease
- 495 For Rent
- 505 Forklifts
- 535 Generators
- 550 Gradalls
- 555 Graders
- 610 Help Wanted
- 635 Hoists
- 705 Legal Notices
- 745 Loaders
- 760 Lumber & Wood Products
- 780 Maintenance & Repair
- 800 Mine Equipment
- 805 Miscellaneous
- 880 Parts
- 885 Parts & Repair
- 890 Pavers
- 925 Pressure Washers
- 950 Real Estate For Sale
- 955 Real Estate Wanted
- 975 Rentals
- 997 Safety Equipment
- 1017 Scrapers
- 1020 Screening Equipment
- 1040 Services Offered
- 1085 Snowplows
- 1097 Sprayers
- 1105 Sweepers
- 1120 Tools
- 1130 Tractors
- 1140 Trailers
- 1145 Training
- 1170 Truck Parts & Equipment
- 1175 Trucking
- 1180 Trucks
- 1205 Wanted

Announcements

ADVERTISING DEADLINE Thursday, November 7, 2018

For as little as \$10.00 - place a classified ad in

Rock Road Recycle

Call Peg at **1-800-836-2888**

or **518-673-0111**

or email classified@leepub.com

Air Compressors

LARGE 2 STAGE air compressor. 315-281-5076

Announcements

CHECK YOUR AD - ADVERTISERS should check their ads on the first week of insertion. Lee Newspapers shall not be liable for typographical, or errors in publication except to the extent of the cost of the first weeks insertion of the ad, and shall also not be liable for damages due to failure to publish an ad. Adjustment for errors is limited to the cost of that portion of the ad wherein the error occurred. **Report any errors to Peg Patrei at 518-673-0111 or 800-836-2888.**



★ ★ ★ ★ ★ ADVERTISERS

Get the best responses from your advertisements by including the age, condition, price and best calling hours. Also, we always recommend insertion for at least 2 issues for maximum benefits. **Call Peg at 1-800-836-2888**

IS YOUR WEBSITE MOBILE FRIENDLY? Google reporting listing changes for non mobile friendly sites!! Don't lose your traffic. Update now!!! WWE Marketing 518-527-6800 wjleepub@gmail.com

Building Materials/Supplies

Announcements

Construction Equipment For Sale

AIR COMPRESSOR, LeRoi 185, John Deere diesel, 600hrs., like new; Vermeer LM35 trencher plow, 1,300hrs. 518-993-2370

Construction Services



Zimmerman Repair

All types of AG and Construction
Equipment Repair.

Penn Yan, New York
315.536.6040

Custom Services

BUSINESS CARDS: 1,000 for only \$60.00, full color glossy. Give us your existing card or we will design one for you! **FREE SHIPPING** included. Call Lee Newspapers at 518-673-0101 or email commercialprint@leepub.com



Building Materials/Supplies

Engines

Carl McQuillen

ENGINES INC

- Block & Cylinder Head Reconditioning
- Crank Shaft Grinding
- Shaft Repair
- Engine Kits

(585) 768-2322

www.mcquillenengines.com

8171 East Main Road Le Roy, NY 14482



Fencing

LOCUST POSTS, POLES, Split Rails, 6x6's, 4x4's, other hardwood boards and planks, custom cut. Also lots, land cleared, woodlots wanted. 518-883-8284.

Construction Services



For Sale

7' 3pt. hitch 2 stage snow-blower. Case 580K backhoe. Ford 8' pickup box. Ceiling mounted gas heater 65,000 btu. New size 13 Camo hunting boots. 3 Chocko snowmobile suits, 1 set of leathers. Steel shelving 4'long sections 6'tall. Gas powered cement mixer. Well expansion tank w/attached motor. Tires size 16-15 & 13. 2 riding lawnmowers. 1981 Ford F800 dump truck. 315-281-5076



Labels, Magnets, Business Cards, Rack Cards, Banners, Flyers/Brochures, Postcards, Business Forms, Non-Carbon Reproduction Forms (NCR), Signs, Pull-Up Banner Stands, Feather Banner Stands, Door Hangers, Envelopes, Invitations, Posters, Calendars, Self-Inking Stamps. Call with your needs. **Lee Newspapers 518-673-0101** or email commercialprint@leepub.com

Engines

Lumber & Wood Products



We buy heart pine, fir, oak, & other species.

800-951-9663

michele@pioneermillworks.com



www.rockroadrecycle.com

Help Wanted

Help Wanted

Need to Hire Someone? Looking For Your Next Star Employee?

Check out the

ROCK ROAD RECYCLE JOB BOARD

Go to

jobs.hardhat.com

Lumber & Wood Products

Lumber & Wood Products

WANTED

ANTIQUE TIMBERS & BOARDS

Yellow Pine, Cypress,
Fir, Oak.

(512) 658-2220

WHAT ITS WORTH, INC.

KIMBALL, TN

WIWPINE@GMAIL.COM

D&J Supply LLC

26 & 29 Ga. Metal Roofing & Siding
Pre-Engineered Trusses
Pole Barn Packages - Any Size

~ Direct Shipments ~

Call Us for Your Building Needs

Located in Central New York

518-568-3562

1-800-836-2888

To Place A Classified Ad Phone 1 (800) 836-2888 • Fax (518) 673-2381 • E-mail: classified@leepub.com

HARD HAT NEWS CLASSIFIED SECTION

Mailing Address: Hard Hat News Classifieds, PO Box 121, Palatine Bridge, NY 13428

Real Estate For Sale

QUARRY FOR SALE in Alton, Illinois with 300' of high calcium rock, good for cement. Railroad lines & barges available. Great location, next to highway. Other potential property available. For more info call 217-854-9229

Sawmills

IRELAND #6 Sawmill w/American steel ceiling mount swing saw. 100' of non-powered roller conveyors w/one independent power section & 110' powered w/motors & stands. 315-281-5076

Snowplows

Snow Pushers 6' up to 16'

Other Sizes Available

Quick-tach, Bucket Mount or Bare Back



PINE RIDGE Welding and Machine

Penn Yan, NY - Steel Sales - 315-536-2102

Trailers

1970 DUMP TRAILER, 24' steel, oldie but goodie, good for demo work, \$2,500. 716-937-6434.



Trailers

Trucks

Martin's Farm Trucks, LLC

Trucks for All Your Needs - Specializing in Agri-Business Vehicles



2011 International 5900i, ISX Cummins 525hp, Jake, 18spd, 18/20/46 axles, HMX susp, Quadlock, double frame, 19.5' dump, 78" sides 451k miles, **\$76,500**



2016 Freightliner M2, ISL Cummins 350HP, Exhaust Brake, Allison 6spd, 16/40/13.2K Axles, Airliner HD susp, Double frame, 28'x100" Eby Aluminum flatbed, 56,045 original miles, **\$86,500**

717-597-0310

Snowplows

Trucks

Miscellaneous

BUSINESS CARD MAGNETS only \$75.00 for 250. Free Shipping. Call Lee Publications at 518-673-0101. Please allow 7-10 business days for delivery.



EQUIPMENT RENTALS

CALEDONIA DIESEL, LLC
TRUCK & EQUIPMENT
SALES & SERVICE
"The Diesel People!"

2905 Simpson Rd., Caledonia, NY
Just 1 mile south of Route 20 on 36 south

585-538-4395 • 1-800-311-2880
Since 1982



2014 Hyundai HL730-9A Wheel Loader
3,940 hours, EROPS w/heat and A/C, 2.5 CY bucket, Cummins 128 HP, 17.5x25 rubber, Powershift w/autoshift option **\$59,500**



2003 Sterling AT9500 Knuckle Boom/Dump Truck
Cat C12 355HP, 10 speed, 826k Miles, 10' Steel Body, Mid Mount IMT Crane, Hitch, Air Ride, Stock #5846 **\$19,500**



Cat CT660S Quad Axle Cab & Chassis
CT13 475HP, 18 speed, 177k Miles, Double frame, 20k front, 46k rear, Mid and rear lift axles, 25' of frame. Stock #5852 **\$59,500**



2012 Freightliner M2 Flatbed
Cummins ISB 240HP, Automatic Trans., 23' steel deck. 31,000 Lbs. GVW, 270k miles
Stock #5867 **\$24,500**



2008 Peterbilt 367 Day Cab
Cummins 485HP, Allison automatic, 109k miles, 14k front axle, 44k full locking rear, wet-line, Stock #5843 **\$59,900**



2007 Sterling Tri-axle Tractor
Cat C15 466HP, 18 speed, 308k miles, 14.7k front axle, 20k lift and 46k full locking rear. Wet line, air ride. Stock #5851 **\$32,900**

Please check our Web site @ www.caledoniadiesel.com

4 Easy Ways To Place A ROCK ROAD RECYCLE Classified

- 1. PHONE IT IN** - Just give Peggy a call at **1-800-836-2888**
- 2. FAX IT IN** - For MasterCard, Visa, American Express or Discover customers... Fill out the form completely and fax to Peggy at **(518) 673-2381**
- 3. MAIL IT IN** - Fill out the form, calculate the cost, enclose your check/money order or credit card information and mail to:
ROCK ROAD RECYCLE Classifieds
PO Box 121
Palatine Bridge, NY 13428
- 4. E-MAIL IT IN** - E-mail your ad to classified@leepub.com
e-mail or call with your credit card information.

FOR BEST RESULTS, RUN YOUR AD FOR TWO ISSUES!

Cost per issue: \$10.00 for the first 14 words, 30¢ each additional word.
(Phone # counts as one word)

Number of Issues to Run

			\$10.00	\$10.30
\$10.60	\$10.90	\$11.20		\$11.50
\$11.80	\$12.10	\$12.40		\$12.70
\$13.00	\$13.30	\$13.60		\$13.90
\$14.20	\$14.50	\$14.80		\$15.10

Name: (Print) _____
Street: _____ County: _____
City: _____ St.: _____ Zip: _____
Phone: _____ Fax: _____
Cell: _____ E-mail: _____

☐ I have enclosed a Check/Money Order

☐ Please charge my credit card:

☐ American Express

☐ Discover

☐ Visa

☐ MasterCard

Card #:

Exp. Date:

* (REQ.) Card Security Code # _____

Signature: _____

(Required with Credit Card Payment Only)

Date: _____

(MM/YY)

SPECIAL OF THE WEEK



New PJ 102'x22' Deckover

Full bed tilt trailer, 14,000 lb. GVW, self contained, hydraulics power up/down, LED lights, adjustable coupler, winch plate, divided tool box, front steps, mud flaps

\$7,235

Midlakes Trailer Sales

"We'll hook you up"

1595 Yale Farm Rd., Romulus, NY 14541

Toll Free 888-585-3580 ~ 315-585-6411



CEMEX USA driver wins NRMCA National Mixer Driver Championship

HOUSTON, TEXAS — CEMEX recently announced that for the first time ever, one of its ready mix truck drivers earned top industry honors by winning the 2018 National Ready-Mixed Concrete Association's National Mixer Driver Championship last weekend in National Harbor, Md.

Thomas Comeau, a CEMEX mixer truck driver from Tucson, AZ, was awarded first place after competing against roughly 80 drivers from across the U.S. during the championship at NRMCA's Concrete Works event. Drivers were judged on vehicle-handling skills, vehicle-inspection abilities and grades on written exams.

Comeau came to CEMEX from the Pima County, AZ, sheriff's office in 2014 after deciding to make a career change. Upon joining CEMEX, Comeau committed himself to the company's safety program, helping other drivers whenever possible. Comeau has won the title of best driver in Arizona for the last three years, allowing him to compete in the NRMCA Nationals.

"Tommy Comeau is not only the best in the West, but he's shown he's the best of the best," said CEMEX USA Regional President—West Region Eric Wit-

tmann. "He is dedicated to safety and he has put in a lot of work by studying and practicing for this high achievement. We are extremely proud of his efforts."

"Our drivers are the best in the industry, and they are always working to maintain that status," said CEMEX USA President Ignacio Madrdejos. "They strive every day to provide a Superior Customer Experience safely and efficiently. This achievement serves as a great example of what is possible through hard work and dedication."

CEMEX drivers Fernando Velasquez from Merced, CA, and Marcial Barrera from the Bay Area, each received outstanding performance medals for the competition. In the 2017 competition, Dave Mangold, a veteran CEMEX driver from Cocoa, FL, placed second in the competition.

"Our people and our drivers are the backbone of all that we do," said CEMEX USA Executive Vice President—Human Resources and Communications Guillermo Martinez. "From the moment they start with CEMEX and throughout their entire employment, they put safety first. These drivers are the kinds of employees who make and keep CEMEX strong."



People in the industry



Thomas Comeau, a CEMEX mixer truck driver from Tucson, AZ, was awarded first place after competing against roughly 80 drivers from across the U.S.

Photo courtesy of CEMEX

ACI announces new Middle East regional director



Ahmad Mhanna is the Institute's Middle East regional director

The American Concrete Institute is pleased to announce Ahmad Mhanna as the Institute's Middle East regional director.

In this new staff position, Mhanna will focus on ACI's comprehensive plan to increase knowledge sharing throughout the Middle East. The great innovation occurring now in the region combined with ACI's one-hundred-plus years of consensus-based knowledge is a partnership that will accelerate the advancement of the concrete industry globally.

Mhanna will assist in establishing and nurturing regional strategic relationships with members, chapters, companies, governmental bodies, educational institutions, partners and other construction industry organizations. Mhanna will also build upon recent partnership agreements and increase ACI activity in the region.

Mhanna will be based at the ACI Middle East Regional Office, to be located in the Dubai World Trade Center, Dubai, United Arab Emirates. An office grand opening celebration is

planned for the evening of Sunday, Jan. 6, 2019.

An ACI member and civil engineer, Mhanna has wide-ranging experience in concrete and construction materials testing, analysis and applications. Prior to joining ACI, he was employed at Qatrania Cement in Amman, Jordan. Mhanna has served as a board member of Jordan Concrete Association since 2012 and is also a member of building materials technical committee of the Jordan Institution for Standards and Metrology. Mhanna holds multiple ACI certifications and has served as an ACI Certification examiner.

Mhanna received his Bachelor's degree in civil engineering from University of Jordan and an MS in Emerging Technologies for Construction from University of Naples Federico II, Italy. He also obtained an Infrastructure Renewal Engineering Certificate from University of Missouri-Rolla, MO, USA.

For more information on ACI's activities in the Middle East region visit concrete.org/MiddleEast.

Telsmith promotes Jeff Gray to VP of sales and marketing

MEQUON, WI — Telsmith, Inc. is pleased to announce it has promoted Jeff Gray to vice president of sales and marketing.

"Jeff has had great success developing the domestic market and partnering with the sales staff, customers and dealers," states Matt Haven, president of Telsmith, Inc. "His efforts continue to move Telsmith forward and position the brand as a leader in the mining and aggregates industry. We wish him continued success in this role."

Gray has worked for Telsmith for over twenty-two years starting as an applications specialist and held the Domestic Sales Manager role over the past eleven years. He will now oversee all domestic and international sales and marketing efforts.

"I look forward to working with our talented global sales team to grow our brand and distribution partners worldwide, provide our customers with premium product knowledge, safe equipment and over the top service,"

said Jeff Gray, vice president of sales and marketing.

"We see tremendous opportunities globally by leveraging the innovations within our T-Series cone crushers, Iron Giant and Hydra-Jaw crushers and our Vibro-King TL inclined screens," continues Gray. "The people of Telsmith that go the extra mile for our customers coupled with our core products that are the basis of our rich history will pave our path to a prosperous future."

Telsmith, Inc. provides a full range of minerals processing solutions to the aggregate, mining, industrial and recycling industries with cone crushers, jaw crushers, vibrating equipment, portable plants and track plants, as well as full-scale modular processing facilities. Solutions from Telsmith include product lifecycle support with parts availability and factory trained service technicians.

For more information about Telsmith visit telsmith.com.



Jeff Gray will now oversee all domestic and international sales and marketing efforts.

Photo courtesy of Telsmith

Updated John Deere 944K hybrid wheel loader boasts Final Tier 4 engine technology with even greater fuel economy benefits

MOLINE, IL — Continuously striving to produce world-class equipment that delivers customers with the highest value possible, John Deere added Final Tier 4 engine technology to the 944K hybrid wheel loader, providing customers an increase in fuel economy from the Interim Tier 4 model. Other machine updates include improving operator comfort and increasing uptime, while lowering daily operating costs.

“Customers deserve a dependable wheel loader that actively works to minimize downtime and cut down on fuel consumption,” says John Chesterman, product marketing manager, production class four-wheel drive loaders, John Deere Construction & Forestry. “New and exciting features on the 944K provide operators with a comprehensive loader solution that increases productivity, while efficiently managing costs. But we also maintained popular features like standard traction control that automatically limits torque to any wheel when slippage occurs, essentially eliminating runaway tire spin and tire slicing.”

Equipped with a 536-horsepower, Final Tier 4 John Deere PSS 13.5-liter engine, the 944K boasts nine to 14 percent lower fuel consumption* compared to its IT4 predecessor. The updated engine delivers impressive torque and responsiveness to help maintain good boom and bucket speed in and out of the pile for heaped loads.

Along with the engine update, operators will also enjoy an increase in coast control performance. This standard feature gives the operator the capability to adjust the aggressiveness of the machine during deceleration with three different settings. The higher the setting, the more electric braking will occur during application. When all three lights are on, the loader will deliver a 33 percent increase in deceleration performance and an overall extension of service brake life.

Other machine modifications include the addition of a heated and ventilated cab seat to provide maximum comfort to the operator. With improved Final Tier 4 technology, operator and bystander noise levels were also lowered.

Outside the cab, remote jump-start terminals were added to all 944K FT4 machines in a closed and

locked engine compartment. These allow for faster and easier jump-starting, can be used with a trickle charger in cold weather and are color-coded/insulated to help prevent improper connections and accidental contact with battery terminals. Other updates include a bolted shut engine fan door that reduces the possibility of it accidentally opening during operation; the consolidation of the engine stop switch and 24-volt electrical disconnect switches on the right side of the machine to provide easier access; and the relocation of the engine block heater plug-in for easier access in colder climates.

Warranty coverage on the 944K wheel loader includes a 96-month (eight-year) or 20,000-hour (whichever comes first) nonprorated assurance on wheel motors, generators, power inverters and brake retarders. This offer was extended to July 31, 2019

(from October 31, 2018) to existing machines in the field and on new 944K loaders.

Fleet managers looking to get the most out of their 944K wheel loader can rely on their John Deere dealers to provide Ultimate Uptime, featuring John Deere WorkSight™. With Ultimate Uptime, owners receive predelivery and follow-up inspections that include five years of JDLINK™ telematics, machine health prognostics, remote diagnostics, programming capabilities and the ability to add dealer-provided uptime solutions to a customized package.

For additional information, visit JohnDeere.com or contact your local dealer.

**Actual fuel consumption rates and savings will vary with machine application, utilization, operator, and model of competitive unit.*



Industry news



The updated engine delivers impressive torque and responsiveness to help maintain good boom and bucket speed in and out of the pile for heaped loads.

Photo courtesy of John Deere

Stone quarrier Polycor Inc. expands its geographic presence by merging with Indiana Limestone Company

The largest producer of natural stone in North America, Polycor Inc., is pleased to announce the completion of its merger with Indiana Limestone Company (“ILCO”), a leading dimensional limestone quarrier and building products producer headquartered in Bloomington, IN. This announcement comes shortly after Polycor’s recent acquisition of four limestone quarries in France in July, now positioning the company as a global leader in the natural stone industry.

United by a common business culture, the merger is expected to drive meaningful growth through cross-selling synergies, geographic expansion and sharing of best practices. In addition, the merger will provide an expanded product offer-

ing for customers of both companies, positioning the combined business as the solution of choice for architects, builders, dealers and other stakeholders in the natural stone value chain. Existing customers and suppliers can expect a seamless transition and to receive the same quality of service they have come to expect over time.

“This transaction represents another milestone in Polycor’s journey to become the global leader in the natural stone industry,” says Patrick Perus, president and CEO of Polycor Inc. “we are thrilled to be joining forces with the leading producer of Indiana limestone in ILCO and look forward to welcoming this world-class team into the Polycor

family.” ILCO is a Nationally recognized brand in North America’s natural stone industry with its stone being used in the construction of some of the most iconic buildings and monuments in the U.S.

ILCO also produces a wide range of natural stone masonry and hardscape products for use in residential, commercial, institutional and renovation applications.

Tom Quigley, CEO of ILCO, said, “Our business today touches the lives of dealers, fabricators, distributors and architects worldwide. We are proud to be a part of a great industry. Now, by joining with Polycor, a business partner with whom we share common values, passion and ambition, there is unlimited potential to expand our offering and deliver

even greater value to our customers.”

Through this merger, both companies expect continued growth and momentum in all phases of business operations. As such, all plants and quarries will continue to operate as normal with both the Polycor and ILCO management teams leading their respective business operations going forward. Existing ILCO shareholders will become significant minority shareholders in the go-forward entity as the business embarks on its next phase of growth. With a more diversified and expansive geographic presence, ILCO’s offices in Bloomington will serve as a primary base to support continued expansion in North America.



THE R REVOLUTION BEGINS.

INTRODUCING BOBCAT **R**-SERIES EXCAVATORS

Robust. Remarkable. Revolutionary. However you describe them, R-Series compact excavators are the best yet from Bobcat Company. R you ready for the revolution?

► Take a closer look at NEW
R-Series compact excavators:
Bobcat.com/MyR-Series

Bobcat®, the Bobcat logo and the colors of the Bobcat machine are registered trademarks of Bobcat Company in the United States and various other countries.
©2017 Bobcat Company. All rights reserved. I 53663-8



Bobcat®

One Tough Animal.

Authorized Bobcat Dealers

CONNECTICUT

Bobcat of Connecticut, Inc.
East Hartford
860-282-2648
www.bobcatct.com

Bobcat of Stratford
Stratford
203-380-2300
www.bobcatct.com

MASSACHUSETTS
Bobcat of Greater Springfield
West Springfield
413-746-4647
www.bobcatct.com

Bobcat of Worcester
Auburn
508-752-8844
www.bobcatct.com

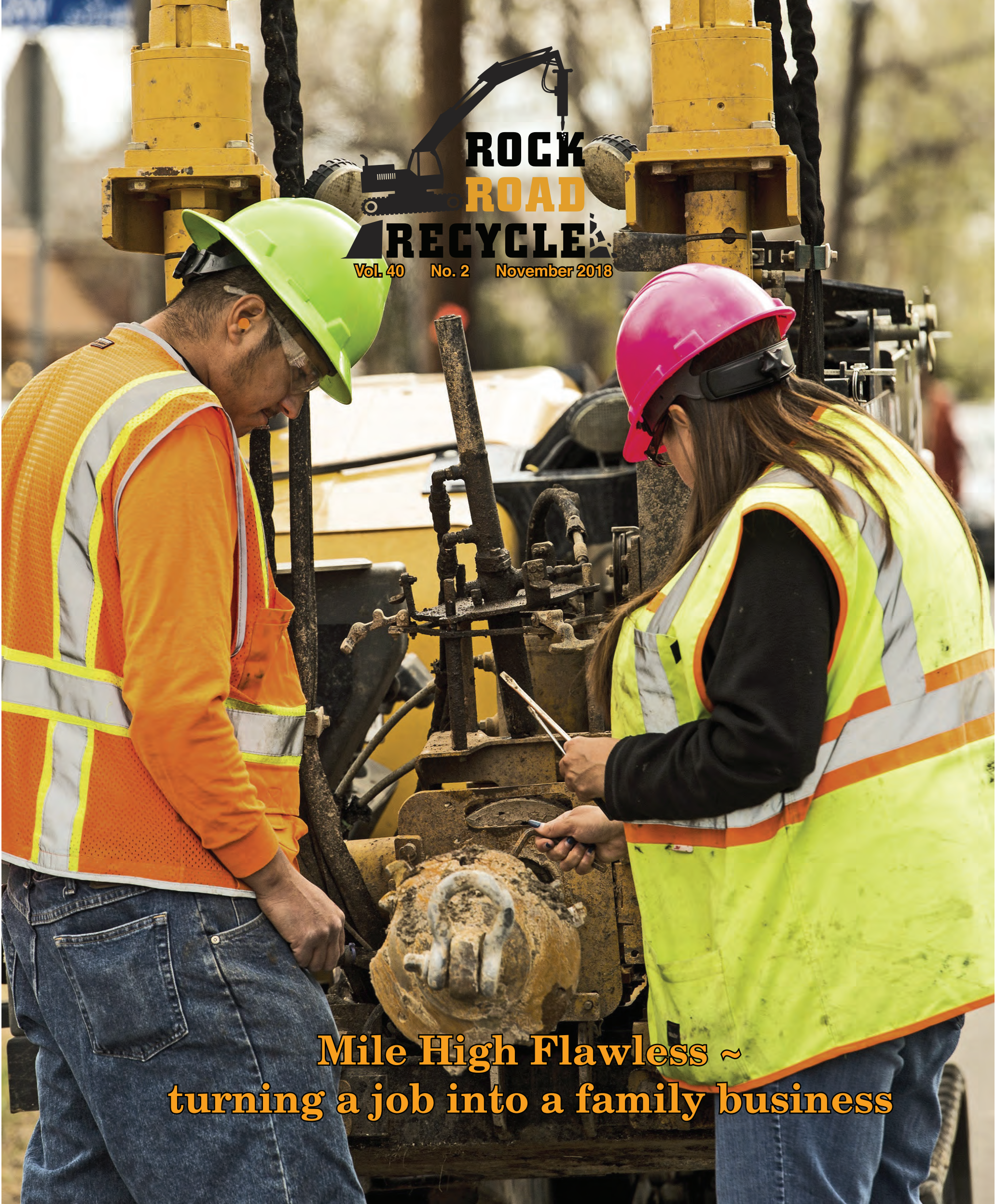
NEW JERSEY
Bobcat of New Jersey
Totowa
973-774-9500
877-9-BOBCAT
www.njbobcat.com

NEW YORK
Bobcat of Mid-Hudson
Newburgh
845-764-8466
www.summitbobcat.com

Summit Handling Systems Inc.
Walden
845-569-8195
www.summitbobcat.com

Warner Sales & Service
Rome
315-336-0311
www.warnerss.com

RHODE ISLAND
Bobcat of Rhode Island
Warwick
401-921-4300
www.bobcatct.com



**Mile High Flawless ~
turning a job into a family business**



- Underground technology
- Excavators
- Truck & trailer accessories



Mile High Flawless ~ turning a job into a family business

by Kayla Breja

On the cover:

Mile High Flawless is a family owned and operated directional drilling company specializing in utility installations.

Photo courtesy of Mile High Flawless

PG 4

32

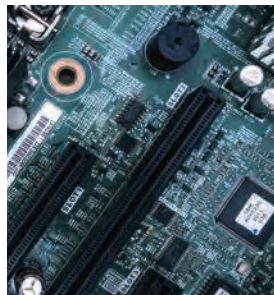
Classifieds

Your source for all things heavy construction

8

Telematics in the “Big data” era: what manufacturers need to know

Source: *AEM.org*



10

Underground equipment technology takes tunneling to new levels
by RRR staff writer



20

Why being “OSHA legal” isn’t enough
Source: *EHS Today*



25

Truck side guards for safety



Frederick W. Lee
Publisher, President

Bruce Button VP, General Manager
bbutton@leepub.com

Jessica Mackay Production Coordinator
ext. 137 jmackay@leepub.com

Colleen Suo Editor
ext. 145 csuo@leepub.com

Gabbie Albrecht Social Media Coordinator
ext. 163 galbrecht@leepub.com

Ad Sales: 1-800-218-5586

Matt Stanley Sales Manager
ext. 124 mstanley@leepub.com

Peggy Patrel Classified Ad Manager
ext. 111 classified@leepub.com

Tina Krieger
ext. 108 tkrieger@leepub.com

Steve Pelosi
ext. 166 spelosi@leepub.com

Scott Duffy
802-484-7240 srduffy@together.net

Andy Haman
ext. 160 ahaman@leepub.com

Jessica Waite
ext. 116 jwaite@leepub.com

Christopher Nyce
267-261-4235 cnyce@leepub.com

Christine Attle
315-317-0905 christine.leepub@gmail.com

Patrick Burk
585-343-9721 burk.patrick1956@gmail.com

Free Subscriptions:
www.rockroadrecycle.com
rockroadrecycle.com/my-account/

Mention of product names in articles does not indicate an endorsement.
We do not guarantee claims stated by advertisers.
Permission is granted for reprinting of editorial content provided
RockRoadRecycle.com is given full credit.

Lee Newspapers, Inc.
PO Box 121 / 6113 St. Hwy. 5
Palatine Bridge, NY 13248
PH 518-673-3237

Associations and affiliations:



Hitachi introduces next generation of wheeled excavator - the ZX190W-6

MOLINE, IL — The next generation of Hitachi's wheeled excavator, the ZX190W-6, is rolling out with a certified Final Tier 4 (FT4)/EU Stage IV Isuzu engine that does not need a diesel particulate filter (DPF) and includes multiple other upgrades that enhance efficiency, reliability and durability.

Mobile and maneuverable, Hitachi's wheeled excavator weighs in at 45,300 lbs. and sits on a short wheelbase that makes it easy to work in tight spaces. "Hitachi's Dash-6 wheeled excavator has the mobility and power to be one of the most versatile machines in your fleet," said Jonathan Spendlove, product marketing manager for Hitachi Construction Machinery – Americas. "A contractor can dig like a tracked excavator and get from one site to another without having to invest in a truck or trailer. The elimination of a DPF makes operations more efficient, and a redesigned counterweight dramatically enhances visibility for operators."

Efficiency

The new ZX190W-6 features an efficient FT4 Isuzu engine with improved piston design allowing particulate matter to burn in cylinder during combustion. This eliminates the need for regenerations or a DPF, saving service time and lowering operating costs. With the improved FT4 technology, Hitachi was also able to maintain or reduce total fluid consumption compared to Interim Tier 4 models.

The model's HIOS IV hydraulic system contributes to fuel efficiency by delivering on-demand performance and the right amount of pump flow when me-

tering pilot controls. Additionally, power and performance is balanced with three work modes. Economy (ECO) maximizes fuel efficiency while delivering an enhanced level of productivity. Power (PWR) delivers a balance of power and speed, plus fuel economy for normal operation. High Productivity (H/P) delivers more power and faster hydraulic response.

The pavement-friendly ZX190W-6 reaches speeds up to 35 km/h (21.7 mph) and features a larger hood with springs, providing highly efficient access to the engine for service.

Reliability

Maintenance is minimized with the ZX190W-6 – from at-a-glance gauges to grouped service points with easy access to the washer tank, air cleaner, DEF tank and battery disconnect switch. Convenient upperstructure handrails now come standard and provide easy engine access, and extended service intervals help maximize uptime.

In addition, a redesigned counterweight with LED lights and rearview camera enhance jobsite visibility.

Durability

The ZX190W-6 is protected by a heavy-duty undercarriage and durable D-channel side frames. Added strength comes from welded bulkheads within the boom that resist torsional stress, tungsten-carbide thermal-coated arm surfaces and oil-impregnated bushings.

New to the Dash-6 model are sound absorption pads mounted on the rear pump compartment that are more durable and maintenance-free. Plus, a

standard, larger blade cylinder cover better protects the blade lift cylinder.

The new ZX190W-6 is now available in the United States, Canada and Guam.



Mobile and maneuverable, Hitachi's wheeled excavator weighs in at 45,300 lbs. and sits on a short wheelbase that makes it easy to work in tight spaces.

Photo courtesy of Hitachi



Hill Martin Corporation
hillmartin.com
Northfield VT (802) 476-1000



Westchester Tractor, Inc.
www.wtractor.com
Brewster, NY (888) 711-4255



Tracey Road Equipment
SYRACUSE • BINGHAMTON
ROCHESTER • WATERTOWN
(800) 872-2390
www.traceyroad.com

HITACHI

Reliable solutions

YOU DRIVE TO WORK ON A ROAD YOU BUILT.

We're in the word-keeping business. For us, every move counts. Our machines are taking production to a whole new level. Because we know that what's important to you isn't just a job. It's upholding the standard by which you measure every job.

**A FULL LINE OF
WHEEL LOADERS**

- 13 Models
- 30 HP–531 HP

REPUTATIONS ARE BUILT ON IT

Hitachi Construction Machinery
Loaders America Inc. | HitachiCM.us





Mile High Flawless:

turning a job into a family business

Mile High Flawless specializes in utility installations and operates three drilling crews with four Vermeer HDDs, three Vermeer vacuum excavators by McLaughlin and a fleet of trucks.

Photos courtesy of Mile High Flawless and Vermeer

by: Kayla Breja

There's something about horizontal directional drilling (HDD) that sticks with people working on and around HDD rigs every day. It's the perfect combination of machinery, technology and creative problem solving. And once someone's been on a drilling crew, it's hard to imagine doing anything else.

Pat Rodriguez of Arvada, CO, realized his passion for drilling five years ago when he was a laborer working on a drilling crew. After paying his dues, one day his employer asked if he was ready to get behind the controls of an HDD and soon after that, Pat had just completed his first shot. From that moment on, drilling became more than just a job for him. It became his way of life and something that he would eventually share with his family.

Today, Pat along with his four brothers (Gene Rodriguez, Chris Rodriguez, Joe Martinez and Rusty Martinez), his sister Venus Cameron and close family friend Ropati Tauiliili, own and operate Mile High Flawless, a directional drilling company specializing in utility installations. The company operates three drilling crews and owns four Vermeer horizontal directional drills, three Vermeer vacuum excavators by McLaughlin and a fleet of trucks.

Planting the seed

The journey to get to where they are today has not been easy for Pat and his four brothers. When Pat started working for another drilling operator he had just finished serving a short prison sentence. "I made some mistakes when I was younger," said Pat. "When I was re-

leased, I just wanted to get my life on a good path and spend time with the people that mean the most to me — my family. A friend of mine helped me get a job digging holes and I was determined to make the most of that opportunity."

Pat's youngest brother Rusty could tell that his older brother enjoyed the job. "Whenever we got together, Pat would plant little seeds with the rest of us," said Rusty. "It got us excited about the work he was doing and the idea that someday we may all go into business together."

Soon after Pat began running a directional drill for his previous employer, his brother Chris joined him. Chris was a natural with the locator. "At that point, we had already agreed that we were going to have our own drill crew someday," explained Rusty.



To keep up with their workload, the brothers added another directional drill in the fall of 2016 and two new vacuum excavators.

"I was managing a warehouse, one of my brothers was running a barber shop and another was doing landscaping work at the time. We were all saving our money so we could eventually buy a drill."

Purchasing their first drill

The family made a leap of faith the day they purchased their first directional drill. It was a 1996 Vermeer D24x40 Navigator® HDD. "That was a good day," said Pat. "We were all excited about taking that first step, but we knew we needed more than just a drill to get the business off the ground."

The brothers bought a new Vermeer VX30500 vacuum excavator and DigiTrack® F2® locating system. "Just getting started, we had some concerns about getting financing for these purchases," said Rusty. "I had good credit, but we weren't sure if that was going to be enough. We sat down with Hanson Turnbull at Vermeer of Colorado. He got us the equipment we needed and financing. From day one, he and the rest of the people at Vermeer of Colorado have helped us along the way."

Having the right equipment, the only thing the brothers were missing was a name. "The name Mile High Flawless seemed like a good fit since we're located in the Denver area and do great work," said Pat. They registered the name in December 2014, making their dream a reality.

Landing their first job

It wasn't until the following August that Mile High Flawless got its first long-term job. "Even though we had the equipment and established the company, we all had to continue to work at our jobs until we got our first



In August 2016, Mile High Flawless' fortunes shifted when they landed three major contracts around the area.

major opportunity," said Pat.

Mile High Flawless got their big break when a former employer gave Pat a lead for a project in Longmont. The project called for high-speed cable to be installed in residential neighborhoods and was scheduled to last two years.

"When we made the phone call to the general contractor on the job, he wasn't sure if he could give us the job," explained Pat. "We all jumped in the truck and drove down there to meet with him in person. He could tell that we were persistent and wouldn't take 'no' for an answer, so he asked us to start the following Monday."

The next week, Mile High Flawless went to work. The job required the crew to drill through homeowners' backyards using their old D24x40. "We had too big of a machine to do the job efficiently," recalls Pat. "We would line up the drill at the end of the block and shoot down to the cul-de-sac. It was working but to close the gaps between shots, we would either trench or take down fences to get the drill rig in someone's backyard. It just wasn't ideal."

After a few weeks, the company purchased a used Vermeer D7x11 Navigator® horizontal direction drill to work in backyards. A week later, the crew's D24x40 blew an engine. "I was sure glad we got the second drill," said Pat. "Our D24x40 is a good machine, but it had a lot of hours on it. We went ahead and replaced the engine, but it was down for 10 days. During that time, we were scrambling with only one machine operating — doing 120-foot (36.6 m) shots, pulling back and moving on. It was exhausting."

Upgrading their drills

"We were a few months into the project, and we all had been saving our money," Pat explained. "I told my brothers, 'Guys, we need to get a new drill.' I had my eye on a Vermeer D20x22 S3 Navigator® HDD and knew it would make us more productive. It was a huge step for us, but we all agreed to move forward."

The first day on the job, Mile High Flawless' new

Vermeer D20x22 S3 bored 900 feet (274.3 m). "It was incredible, and it proved that a new machine would significantly improve our daily output," Rusty said.

Bump in the road

Seven months into the project, the Mile High Flawless crew suffered a major setback when the general contractor lost their contract. It was a scary time for the brothers, who had just invested in a third drill. "It was a real setback, but we just kept pushing ahead," said Rusty.

"We took every job that came our way, and they were usually the ones that no one else wanted," said Pat. "I think Hanson at Vermeer of Colorado recognized how hungry we were and how dedicated we are to doing the job right. He supported us by giving out our card to general contractors in the area who were looking for subs. He went above and beyond to help us get back to having more steady work."

Turning the corner

By August of 2016, Mile High Flawless' fortunes shifted when they landed three major contracts around the area installing high-speed cable and fiber optics for Comcast.

To keep up with their workload, the brothers added another directional drill in the fall of 2016 and two new vacuum excavators. This time it was a Vermeer D23x30 S3 Navigator® HDD and Vermeer VX30800G vacuum excavator. "We needed something a little bit bigger than our D20x22 S3," Pat said. "It's an impressive machine that is almost as powerful as our D24x40, but it is more mobile and super quiet."

"We can drill right under someone's yard, and they never hear the drill — they just see the locator," explains Pat. "The drill operator and locator can hear each other better over the radio, too."

Rusty recently made the switch from doing splices and laying boxes to becoming a drill operator for the family and he learned behind the controls of the Vermeer D23x30 S3. "I think all of the onboard

technology helped me learn faster," he said. "The machine's sensors are a great reminder if I forget a step. After operating that machine for a bit, it was a lot easier for me to jump on our other drills and feel comfortable behind the controls."

The future

Mile High Flawless' workload has reached the point that they needed to add a third drilling crew. So the brothers have brought their sister Venus into the business to run an HDD rig.

"We're thrilled with how we've managed to grow the business in such a short period of time, but getting the chance to spend every day with family is what makes this all worth it," said Pat. "Our family has always been there for each other, and now we're doing something special together."

"Horizontal directional drilling is in our blood now — I don't think any of us can imagine doing anything else," Rusty concluded.



In the fall of 2016 the brothers added another HDD — Vermeer D23x30 S3 Navigator®.

Kayla Breja is senior product marketing specialist — Utility & Productivity Tools, Vermeer Corporation, Pella, Iowa

Proceq launches ultra wideband GPR (Ground Penetrating Radar) in U.S.

Proceq is proud to announce the launch of the GPR Live in all U.S. markets. The instrument was designed and is manufactured in Switzerland by Proceq AG, world renowned for innovative testing solutions since 1954.

Proceq USA Sales and Marketing Manager Paul Siwek said, "We are very pleased that with the recent FCC sanctions we can now offer this instrument to our customers in the USA. Our clients will find the new Proceq GPR Live, featuring its advanced design and capabilities to be an ideal tool for the majority of GPR inspection of reinforced concrete structures."

The ultra wideband GPR Live is the most cutting-edge Ground Penetrating Radar available today.

Proceq's GPR Live utilizes steeped-frequency continuous-wave (SFCW) technology, never before used in structural GPR applications, to allow clearer and faster concrete inspection. SFCW benefits include:

- Frequency range: 0.9 to 3.5 GHz for structural concrete applications, eliminating the need to switch antennas for clear images of both shallow and deep areas

- Maximum peak power: 10 dB
- Maximum depth range: 28 inches (70 cm)
- Built-in live-wire detection feature
- Clear images of both shallow and deep areas
- Multiple measurement modes

Wireless connectivity and data processing

The GPR Live further improves the data collection process by wirelessly connecting to any iPad running iOS 9.0 or greater through the free Proceq

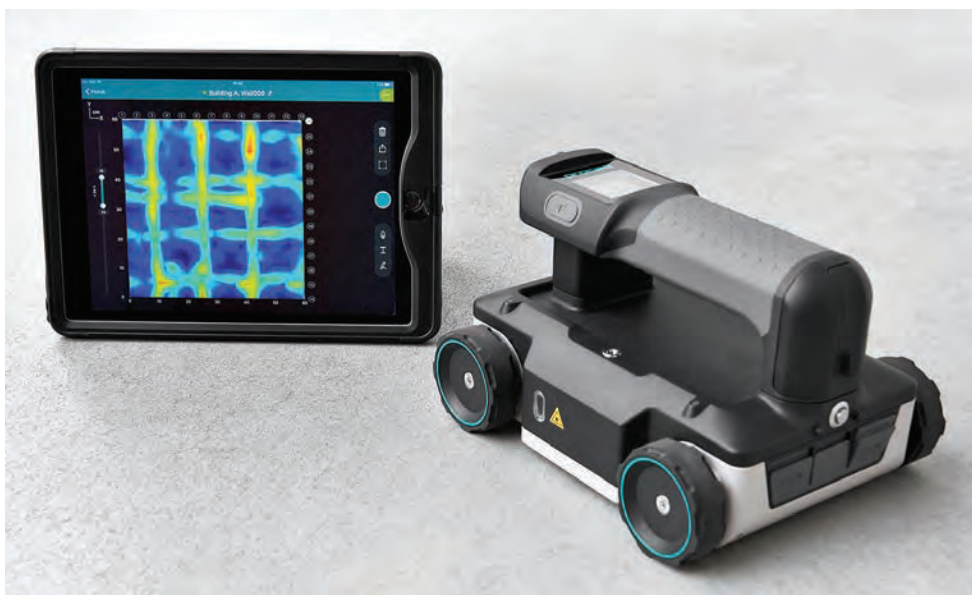
GPR Live app. By connecting to a wireless device, results can be immediately viewed on a high-resolution touchscreen of up to 12.9 inches (iPad Pro), the largest GPR display in the industry. Through the app you can collect, analyze, and share data instantly, drastically reducing the total job time.

The Proceq GPR Live is incredibly user friendly. The portable scan car is tough, yet lightweight and portable. It is flight-safe and operates on 8 AA batteries (Alkaline or rechargeable). The wirelessly connected app has a user-friendly interface that makes creating notes and logging measurements, time, and location simpler than ever before. All information is automatically synchronized with your cloud account, allowing users to share data anytime, anywhere. The efficient design also includes accessories for accessing hard to reach areas. The GPR Live is easy for one person to operate, and will minimize both time and labor costs.

Proceq GPR Live: wide range of applications

- Structural integrity assessment
- As-built verification of new construction
- Investigation of concrete and masonry structures
- Hit prevention for drilling, coring, sawing
- Detection of rebar, voids, ducts, back walls, and live wires
- Assessment of asphalt and concrete layer thickness (slabs, roads, pavement)

The GPR Live is available for purchase or as a rental product, suiting a variety of customer needs.



The GPR Live improves the data collection process by wirelessly connecting to any iPad running iOS 9.0 or greater through the free Proceq GPR Live app

Proceq's GPR Live utilizes steeped-frequency continuous-wave (SFCW) technology to allow clearer and faster concrete inspection.

Photos courtesy of Proceq



Aggcorp Equipment Systems

22800 Lakeland Blvd., Euclid OH 44132

216-732-8992

info@aggcorp.net,

smcivor@aggcorp.net

www.aggcorp.net



Emerald Equipment Systems

7600 Morgan Rd., Liverpool NY 13090

315-437-1977

sales@emeraldscreening.com

www.emeraldscreening.com



Powerscreen Crushing & Screening LLC

11901 Westport Rd., Louisville KY 40245

502-320-9300

justin@powerscreensales.com

www.powerscreensales.com



Powerscreen of Florida, Inc

5125 North Frontage Rd., Lakeland FL 33810

863-687-7153

sales@powerscreenfla.com

www.powerscreenfla.com



Powerscreen Mid-Atlantic Inc

715 Indeneer Dr, Kernersville NC 27284

(800) PWR-SCRN

sales@powerscreenmidatl.com

www.powerscreenmidatl.com



COMPACT WITH IMPACT



IDEAL FOR
URBAN USE

COMPACT



QUICK
SETUP TIME

EASE OF USE



WIDENING
MATERIAL PATH

OPTIMAL MATERIAL FLOW

For more information please contact us
Tel: +1 502 736 5233 **Email:** evoquip@terex.com



terex.com/EvoQuip

Telematics in the “Big data” era: what manufacturers need to know

Source: AEM.org/news, August 13, 2018

When it comes to leveraging the power of telematics as a means to gather valuable machine data, an equipment manufacturer's success depends on its ability to develop, implement and execute a well-conceived plan for doing so.

Obtaining actionable answers and insights via telematics is no small task. In fact, it's one that takes significant time and effort and it also requires both a manufacturer and its customers to be willing to understand and accept a balance between functionality and security. Because while it's critically important for both an equipment provider and an end user to have easy and timely access to data, ensuring the information is secure — and remains so — is paramount. Therefore, in order to achieve those ends, a plan must be put into place and followed by everyone within the manufacturing organization.

“And it all comes together in a systems engineering approach,” said Andrew Shroll a senior engineer at John Deere, who shared his insights on telematics and big data with attendees at this year's Product Safety & Compliance Seminar, which annually offers safety professionals in the equipment manufacturing industry the latest in standards, regulations and industry best practices. “Understanding the needs and requirements within your organization, and understanding the interfaces between different action points, is very important.”

The evolution of telematics

Telematics has grown and evolved considerably over the years. From the evolution of mechanical engines into electronic engines, to the implementation of basic telematics, to the rise of modern technological advancements and the age

of big data, much has changed. And the value of telematics is really tied to that concept of big data, which refers to either information related to a machine's function and health, or production data pertinent to the equipment end user and impactful to the company's bottom line.

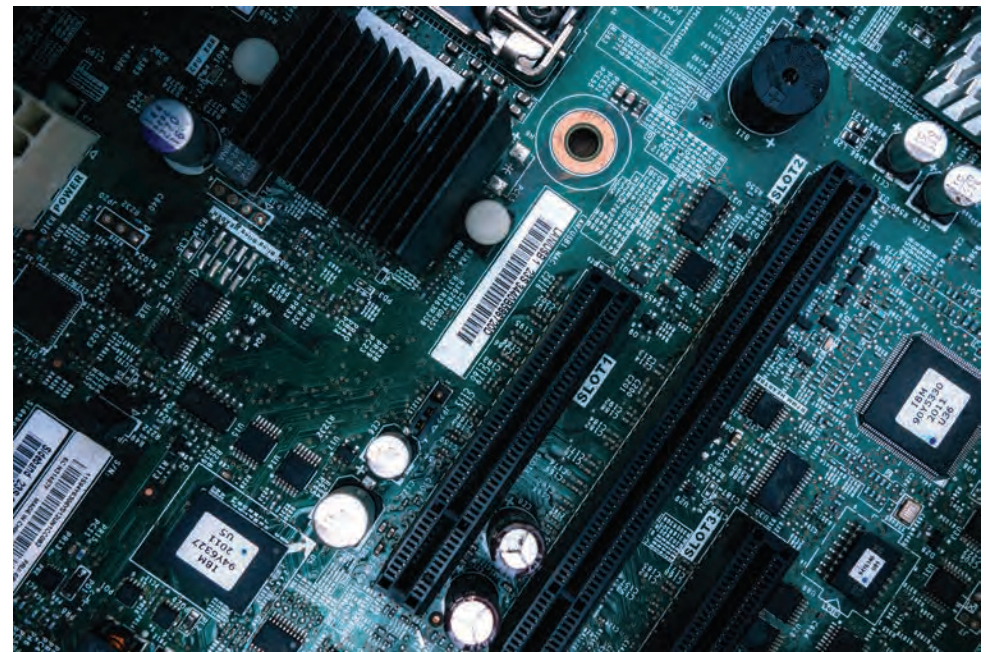
Telematics data is often characterized in terms of volume, variety and velocity — all of which bring challenges and complexity to data collection, analysis and storage efforts. Exactly how information is stored has changed significantly in recent years. Gone are the days of employing Microsoft Excel spreadsheets and charts as a means of cataloging various streams of data. And that's because, simply stated, there's more of it to be gathered, stored and processed than ever before.

“I got this analogy from an IT person in our organization,” said Shroll. “If you picture every data point you have as a kernel of corn, and then build a really large grain bin to fill with those kernels, it would be miles high. So that's sort of a visualization for you of the data that we're working with today.”

Telematics 9



Big data refers to either information related to a machine's function and health, or production data pertinent to the equipment end user and impactful to the company's bottom line.



Telematics data is often characterized in terms of volume, variety and velocity — all of which bring challenges and complexity to data collection, analysis and storage efforts.



New York's **Leading**
Construction Industry Association
www.agcnys.org

Join Us!

Call Today! (518) 456-1134

- More than 600 Construction Industry Companies are members of AGC NYS, LLC
- Services and programs to navigate the legal, regulatory and political environment.
- Networking with leading construction industry professionals.



When you become a member of AGC NYS, you'll also become a member of AGC America - our national organization who represents more than 32,000 leading firms in the industry.

The Associated General Contractors of New York State
10 Airline Drive, Suite 203
Albany, NY 12205

Syracuse Builders Exchange
FOUNDED 1872

FOR MORE PROJECT LEADS...
BECOME A MEMBER TODAY!

MEMBERS OFFERED FREE
SAFETY TRAINING CLASSES.



Contact Lisa Peregoy
lisa@syrabex.com
syrabex.com
(315) 437-9936

Engcon, Kobelco and Leica Geo form unique team

Engcon announces it has joined with Kobelco Construction Machinery and Leica Geosystems to provide an automatic height and tilt function on its Kobelco tiltrotators.

The three firms worked together to develop a unique feature that provides automatic tilt function for the tiltrotator in combination with an automatic stick, boom and bucket function. This means the Kobelco excavator, and its Information and Communication Technology (ICT) system, automatically provides the needed height and tilt to the bucket, dramatically increasing the efficiency of the excavator.

Kobelco Construction Machinery will begin to sell

the feature on its excavator SK200/SK210-10 in the spring of 2019. This is the first manufactured model with the new ICT system.

"We are incredibly proud to have participated in this project with Kobelco and Leica Geosystems. I'm sure this is the beginning of something bigger in the industry," says Krister Blomgren, CEO of Engcon Holding, who is in Japan for the announcement.

Engcon has been manufacturing and selling its tiltrotators, quick couplers, control systems and tools for excavators throughout Europe and Australia for 27 years, and in North America for 11 years through dealers.



Kobelco Construction Machinery will begin to sell the feature on its excavator SK200/SK210-10 in the spring of 2019.

Photo courtesy of Kobelco

Telematics from 8

In today's realm of big data, a manufacturer often finds itself collecting far more data than it knows what to do with at any particular time. And while it's often stored for later use, which offers the opportunity to leverage it at a later date, there's an often-overlooked downside that prevents a manufactur-

er from getting the most out of the information.

"You aren't always going to have the exact data you want in order to do your analytics, which is why it's very important to take an initial broad look at what you have," said Chris Spaude, a data scientist at John Deere, who also

presented at this year's Product Safety & Compliance Seminar.

How telematics affects safety

Specification and regulation are also important concepts to keep in mind when considering the value of telematics and the data it can provide both an equipment manufacturer and its customers. Specifying what should be collected is critical because not everything can be collected. And regulation is also vitally important, because measures need to be put in place in order to keep the best interests of equipment end users in mind.

From a safety standpoint, telematics data is preventing secondary failures capable of turning into significant safety issues at any moment. For example, consider a small part failure that leads to an oil leak. Information coming off of a machine can now — through various data flows and processes — make both the machine's manufacturer and its end user aware of a problem very quickly and prevent it from turning into something far worse. Above all else, however, the data gleaned can

ultimately serve as the main reason why unplanned equipment downtime is avoided.

However, any real effort to obtain valuable and actionable machine data to improve and ensure safety begins with a well-conceived plan for how to collect it, interpret it, store it and leverage it for the benefit of both an equipment manufacturer and its customer.

"A telematics device is not a black box," said Shroll. "It can be difficult to understand the current state of a machine or its recent history if something happens. Because of all these collection decisions, you simply are not going to have the complete history — unless you plan for it."

The 2019 Product Safety & Compliance Seminar and Product Liability Seminar will be held April 29-May 2 in Des Moines, Iowa. For more information on the Product Safety & Compliance and Product Liability seminars, contact Nathan Burton, AEM technical and safety services manager (nburton@aem.org, tel: 414-298-4126).

North American Attachments
800-380-8808
www.excavator-attachments.com

Grapples



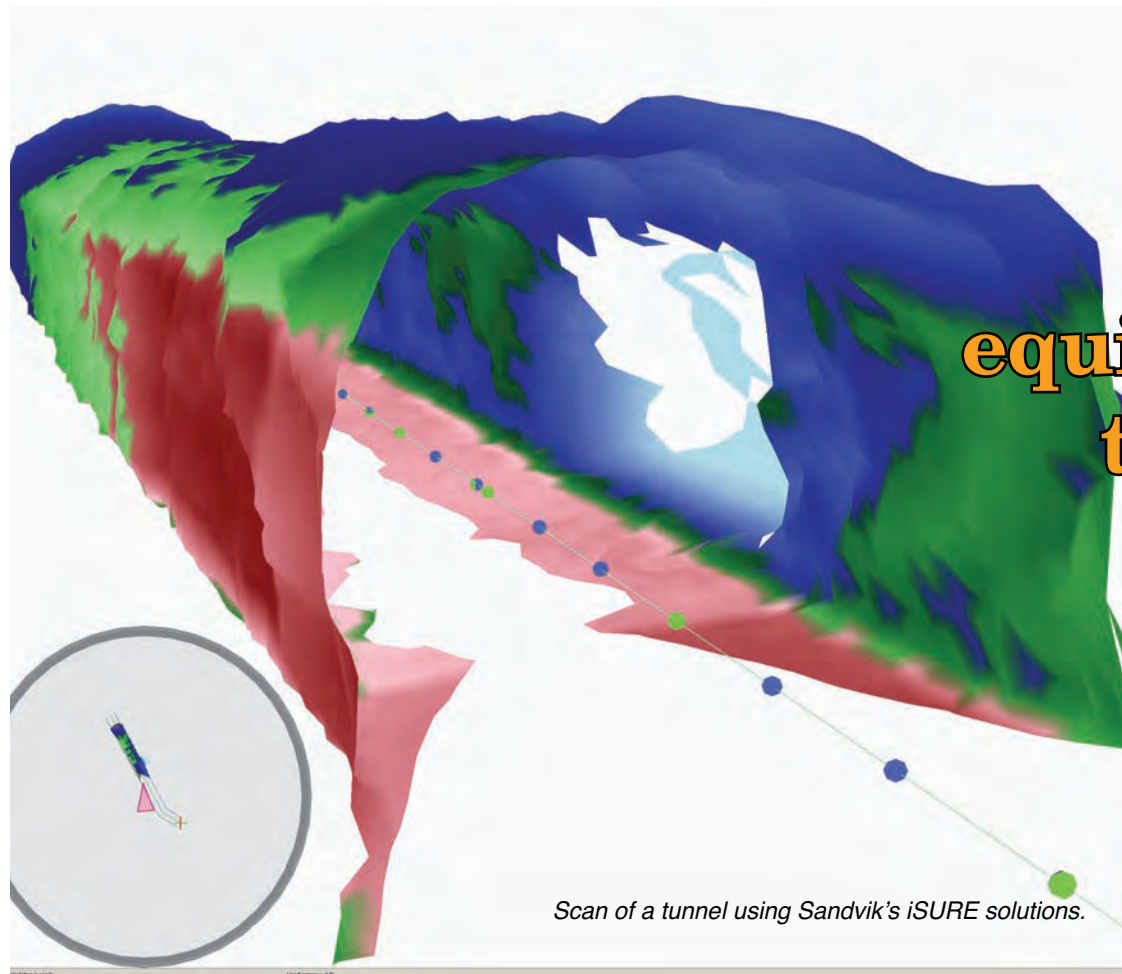
Telehandler Solutions Proven Versatility

Merlo supplies the right telehandler for any application. Construction? Farming? Find your power, lift, reach, and capacity in the following model range: Compact, Heavy Duty, High Capacity, Stabilizers, Roto, Multifarmer and Turbofarmer. Explore the full line of Merlo capabilities on our website!

Contact your local dealer! Give us a call!

ams-merlo.com / 803-327-4949
info@appliedmach.com
Dealer Opportunities Available





Scan of a tunnel using Sandvik's iSURE solutions.

Underground equipment technology takes tunneling to new levels

RockRoadRecycle staff writer

All photos courtesy of the specified OEM

Drill and blast as an excavation method and other associated activities, have proven to be very adaptable, cost effective and flexible, with recent developments in equipment and services helping to refine the process. In order to achieve increased production, manufacturers of equipment with a drill and blast focus are increasingly looking at ways to improve the processes involved. This has seen exciting developments that are taking the excavation process to new levels of productivity, delivering highly effective solutions with increasing levels of “intelligence” and automation.

At the sharp end

Tunneling jumbos are at the heart of successful drill and blast operations, being a key piece of equipment in the excavation process. Due to the use of established technology, new products are rare, but there have been many instances of what could be termed refinements of existing offerings. This has seen jumbos becoming increasingly automated and highly fuel efficient, while including features that enhance environmentally friendly performance. These and other features have made them increasingly popular in underground construction projects throughout the world, especially if rock hardness and other factors prevent the effective use of TBMs.

As would be expected from a company specializing in providing equipment and services aimed at maximizing tunneling excavations, Sandvik Mining and Rock Technology has not been idle. Although its developments may be seen as refinements rather than totally new products, three mod-

els have been further developed — the DT912D, DD422iE and DT922iE drilling jumbos.

One of the models — the DT912D — is an autonomous and powerful face drilling rig (diesel powered drilling with on board compressor for flushing) designed specifically to repair old tunnels, whereas both the iE models are equipped with zero emission battery driven carriers. All have been specifically developed to deliver high efficiency rates and accurate drilling to ensure maximum excavation advance rate. The equipment has been designed with end users' specific requirements in mind with ease of maintenance inbuilt as well as soundproofed and ergonomic cabins providing excellent working environments for the operators.

U.S.-based JH Fletcher & Co. Company is con-

tinuing to develop its line of tunneling jumbos, launching two models in 2017 — the single boom J101-AD/E and the dual-boom J152-AD/E. Designed for development and production drilling in mid-size headings, both jumbos are supplied with diesel tram and electric drill with options of full function from power sources — diesel or electric.

Continuing the trend for refining and improving existing products, Atlas Copco's Boomer S2 (small two-boom) face drilling rig has been developed specifically for drill and blast in small tunnels.

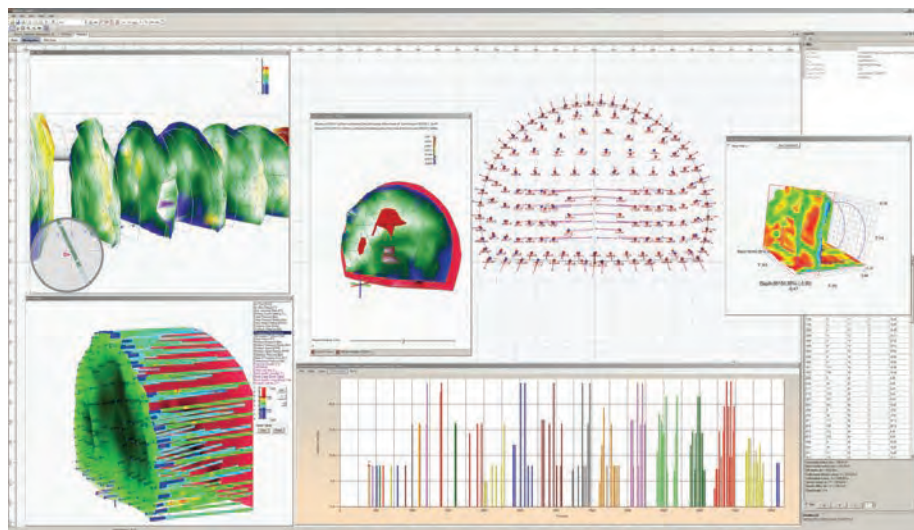
Equipped with two powerful BUT S booms, the Boomer S2 is highly productive for its class thereby facilitating compact face drilling rig in small drifts. The requirements of the operators have not been forgotten with an optional ROPS/FOPS certified cab being available. Actual working conditions have also been accounted for with the S2 having fewer boom hoses and excellent visibility for maneuvering in tight spaces incorporated into the design of the rig.

IT developments

The Atlas Copco S2 drilling jumbo comes complete with a range of automation and IT-based developments. The company's “Dynamic Tunneling Package” is automation software for face drilling rigs, which gives improved excavation accuracy. This is accomplished due to the fact that drill plans are fitted for the current section. With this software, the drill rig can create its own drill plans directly at the face of the tunnel. Downloading the contours of the tunnel to the drill rig, along with a drill rule file, enables the drill rig to create



The DD422iE is one of Sandvik's latest tunneling jumbos.



Sandvik's iSURE system provides the drilling jumbo operator with unique insight into tunnel drilling and blasting.

drill plans tailored for the section it is navigating.

JH Fletcher has developed its own "Fletchbus" system, which operates as a smart hub for machine operations and data collection, enabling users to receive more interlock and safety features, diagnostics, flexibility and an increase in performance. The system also allows for custom programming specific to the machine and operation. The Fletchbus system may also be equipped with programs such as the Graphic Operator Angle Display (GOAD). This system utilizes sensors on the boom and feed mechanisms that display hole angles and depth of drilling on an in-cab monitor. This ensures accurate boom and feed alignment for precise hole placement and direction.

Another variation of the GOAD system is the "Multi Plane Assist" (GOAD-MPA). This system gives the operator the same full graphic display as the standard GOAD system; displaying the drill feed angle in both the horizontal and vertical planes for each boom, and a separate screen with grid style target system. The system is programmed with drill round, enabling the operator to automatically or manually position each drill feed to a specific coordinate.

Sandvik has further developed its iSURE software for optimized face drill and blast design, bolt plan design, long hole design and drill rig analysis specifically for improving the quality of excavation. It comes with rock analysis software and support for an onboard 3D scanner (point cloud) facilitating visualization and excavation process quality control. What is interesting concerning the Sandvik development is that it includes specific features to incorporate the drill and blast process. All drilling and blasting related design tasks are included in the same software enabling for advanced burden calculation-based drill plan design

and hole placement definition, as well as a comprehensive set of tools for drilling and blasting pattern design. In addition, and further adding to the software's functionality, it also includes explosives data — the weight of explosives and the total amount of explosives per round. Furthermore, the detonator is designed specifically for vibration control, which is essential for smooth blasting and excavation in urban areas.

Another development from Sandvik has been its 3D scanner which is now integrated on Sandvik's DD422i, DT922i, DT1131i and DT1231i drill rigs, providing immediate feedback for the operator concerning excavation results by visualizing the scanning data in the screen of the drill rig. The Sandvik 3D scanner creates a clear under and overbreak analysis illustrated with colors on the screen, allowing the operator to immediately react to the underbreak spots. Objects like machines and persons inside the tunnels are automatically removed from the scanning data, facilitating



Metso has developed a tracked jaw crusher capable of producing 300tph at the face of a tunnel underground.



Robit's rods are manufactured using carefully selected hollow drill steels, with the drill rods ensuring maximum strength with long thread life.

rapid and easy positioning of the drill rigs. The scanner is available as standalone application that can be integrated on any vehicle, for example, by use of a normal tablet PC providing the user interface.

Tooling up

No matter how sophisticated the drilling jumbo or how advanced the IT system is, if the tools aren't up to the task then operations will flounder. Finnish company Robit has been refining its offering for tunneling operations with equipment being designed to fit Atlas Copco/Epiroc, Sandvik and other manufacturers' jumbos. Robit's reaming equipment has been designed to deliver faster and straighter drilling of cut holes. This is accomplished with dome reamers with an integrated pilot; the reamer itself being composed of a pilot adaptor or chisel and reaming bit. Robit's rods are manufactured using carefully selected hollow drill steels, with the drill rods ensuring maximum strength with long thread life.

The latest generation of Sandvik jumbos are now equipped with high frequency Sandvik RD525 (25 kW) hydraulic percussive rock drills. This enables the DTi series jumbos to deliver 10–30 percent higher penetration rates. In addition to this, the new rock drill gives 17 percent longer bit life and 40 percent more meters per shank than the previous model in its class. This has been accomplished through the use of an advanced patented stabilizer that dampens harmful shockwaves. The Sandvik drill's simple body structure, modular construction and visual wear indicators have been designed to provide ease of use and maintenance, while the lubrication of the rock drill reduces parts wear.

Purpose developed excavation

Epiroc (part of Atlas Copco) has recently launched a tunnel version of its Epiroc SB hydraulic breakers. While incorporating the popular features of Epiroc's Solid Body (SB) breaker range, the new SB 302 and SB 452 tunnel versions provide application specific modifications that extend equipment lifetime and reduce overall operating costs in underground applications.

Piston lifetime in the tunnel version is extended by a new piston in stainless steel, while bushing seat wear is minimized by a press fit, one piece bushing locked by an additional pin. An exchangeable wear plate protects the hammer body and durability is enhanced by heavy-duty retainer bars and a locking pin. The special tunneling tool with a collar supporting a robust front shield and dust cover minimizes the dust intake when working on overhead areas. Two restrictors are available which enable the performance of the hydraulic breaker to be adjusted for either traditional scaling operations or for more challenging rock breaking jobs. The new tunnel versions are suitable for excavators in the weight class from 4.5 to 13 tons and stan-

dard underground scalers. Service weights are 315 kg (690 lbs) for the SB 302 and 450 kg (990 lbs) for the SB 452.

Also new and designed for underground operations is Epiroc's ER 1500 drum cutter. This is a powerful transverse drum cutter that is ideal for tunneling, special foundation work, demolition and soil mixing. It features an optional dust suppression system to help maximize safety and help achieve OSHA silica dust regulations.

With a service weight of 3,858 lbs, the ER 1500 double head machine is suitable for carriers of 20 to 40 tons. The ER 1500 uses large spur gears driven by a high-torque hydraulic motor with robust gear wheels allowing the drum cutter to be used in the most difficult conditions. A central fixing system enables the drum cutter to rotate 360° without having to be disconnected from the excavator, with low vibration and quiet operation. The ER 1500 is designed to operate in sensitive areas.

Crushing at the face

There have been some specific developments of tracked, mobile crushers specifically for underground construction operations. The reasons are easy to see, as rock from tunnel excavations is a highly valuable resource which may not be used to its potential. Now, however, a combination of customer requirements and developments in crushing technology, along with growing commercial pressures, has seen tunneling contractors use excavated rock as part of the tunneling process itself.

Austrian company SBM Mineral Processing GmbH launched in 2017 the SBM's STE 100.65 TV PB. This is a mobile track-mounted jaw crusher designed to operate in the most difficult tunneling conditions. Although relatively new, the crusher was put through its paces during the construction of the Albula Tunnel in Switzerland. The crusher possesses the ability to work in confined spaces and possesses a low feed height of 2m along with specific tunneling safety aspects such as a fully electric drive system and a dust reduction system.

Finnish company Metso has also developed a crusher for tunneling. This arose when a customer requested the supply of a tracked unit to work at the face of a tunnel excavation in Switzerland, which required the crusher to actually be transported vertically down a tunnel and has led to the development of the "split" LT106E tracked jaw crusher. The Metso crusher is electrically driven and can be split into parts no longer than 7m for lowering. Additionally, the constant crushing capacity is 300 tons per hour in order to meet crushing demand. The disassembly, lowering and re-assembly in the tunnel functions well, with the unit proving reliable and powerful enough to meet capacity requirements.

Trends in 2019

There is little doubt that many of the trends seen in 2018 will continue into 2019. IT systems which not only maximize the performance of underground drilling, but also marry the rig's performance to blasting and the entire tunneling process, will continue to be developed. Environmental performance has become increasingly important, with the improvement of air conditions in tunneling being considered to be essential. This has led not only to the development of systems and technology aimed at reducing the effects of dust etc., but also the redesign of drill rig cabs to deflect emissions.



U.S. based JH Fletcher & Co. is continuing to develop its line of tunneling jumbos, launching two models in 2017.



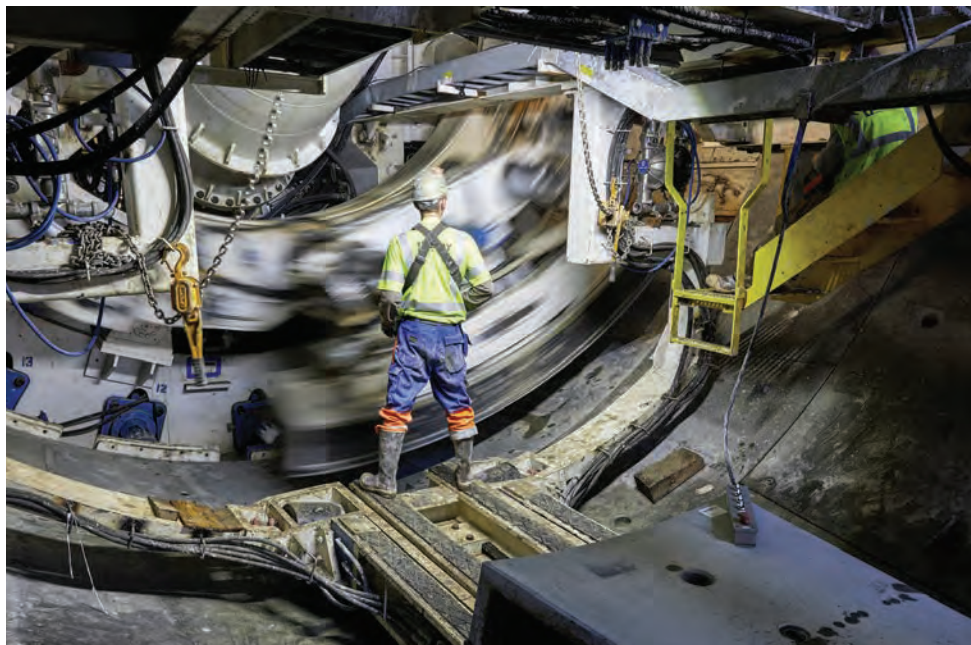
Epiroc's ER 1500 drum cutter is a powerful transverse drum cutter ideal for tunneling, special foundation work, demolition and soil mixing.



Atlas Copco's (Epiroc) compact tunneling jumbo has been developed specifically for drill and blast in small tunnels.



Austrian manufacturer SBM Mineral Processing GmbH has purpose-developed a low height tracked jaw crusher for tunneling.



The sheer size and power of a Robbins TBM at close quarters is an awe-inspiring sight.

Photo by Don Bensman, Jr.

Two companies from very different parts of the world are continuing to buck the trend concerning the use of different techniques in tunnel excavation by developing and refining their TBMs. German company Herrenknecht has developed a hard won reputation for developing TBMs (tunnel boring machines) that are cutting edge in their design and technology. The U.S. company Robbins is arguably the world leader in this technology, and certainly has the largest global footprint, being an established innovator and holder of numerous tunneling world records. The position of both companies may be judged from the fact that these two companies hold all the current world records for tunnel excavation using TBMs.

Continuous tunneling at maximum speed

Renowned for continually refining and developing its offering and services, Herrenknecht has recently developed a new range of “double shield” TBMs, which are said to be among the most technically sophisticated tunnel boring machines in the world today.

The double shield technology consists of two main components: a front shield with cutter-head, main bearing and drive; and a gripper shield with gripping unit, auxiliary thrust cylinders and tailskin. The main thrust cylinders connect the two parts of the shield, which are protected by the telescopic shield where the shield skins of the front and gripper shield overlap. Thus, double shield TBMs are also called telescopic shields. In stable rock, the machine is braced radially against the tunnel with the gripper shoes, meaning that the front shield can be advanced independently of the gripper shield



A Herrenknecht Double Shield TBM was used for an urban sewage tunnel in Hong Kong with a diameter of over 27-feet.

The “big two” in TBM developments

using the main thrust cylinders. Herrenknecht's double shield TBMs are mainly used for tunnel projects in changing rock formations, but also are able to achieve very high tunneling performances in stable rock by working in continuous tunneling mode.

The most trusted name in tunneling

With more than 65 years of innovation and experience, The Robbins Company is said to be the world's foremost developer and manufacturer of advanced, underground construction machinery, having been involved in literally hundreds of tunnel boring projects around the world. Today the company offers an extensive range of underground excavation equipment, both for tunneling and (increasingly) mining.

The company's wide array has been put to work constructing tunnels in the heart of the Himalayas, constructing a 10km subway tunnel through Hong Kong, or boring a 0.7 m tunnel for a gravity sewer in cities and urban developments, just to name a few. These have all been accomplished through driving innovation in the tunneling industry, with Robbins being the first company to develop a main beam TBM, successfully employ disc cutters to bore hard rock and develop the first variable frequency cutter-head drive, among other developments.

Crossover TBM

Depending on the geology of the project, and whether it includes sections of hard rock, soft ground, boulders or a little bit of everything, Robbins believes it has the solution. Not all projects fit within the parameters of specific TBM types, and Robbins believes that in many (or most — if not all circumstances) the TBM should be custom engineered for the given unique project requirements.

The crossover solution

For the most difficult projects, Robbins “Crossover” TBMs can offer time saving and efficient tunneling. Whether the hybrid design converts between EPB and hard rock modes, between slurry and hard rock or between EPB and slurry is dependent on the unique requirements of the customer and the project. From heavy-duty screw conveyors that handle rock to interchangeable cutting tools, Robbins Crossover TBMs are designed to cross between ground conditions that would typically require multiple machines.

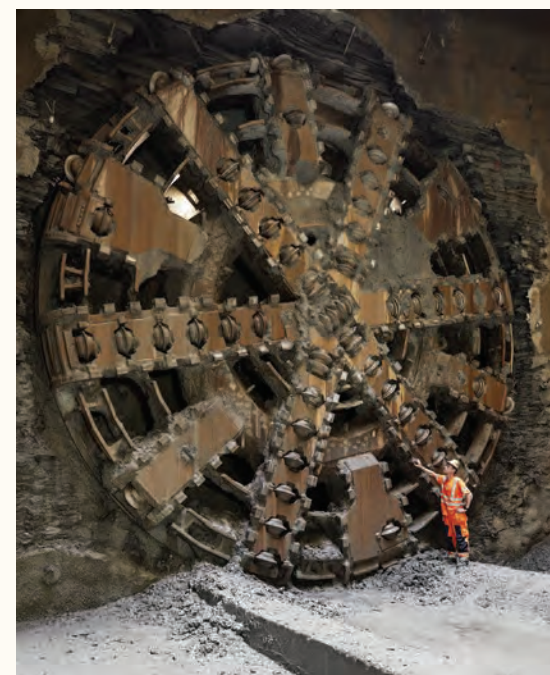
Robbins' Crossover TBMs are essentially machine designs that feature advantages from two different types of TBMs and hence are able to crossover between widely varying ground types that would normally require multiple machines. They are also known as hybrid, or dual mode, machines in the



A project in San Juan de la Maguana used Herrenknecht equipment for a tunnel project of almost 15 feet in diameter (4500mm).

tunneling industry. These have been used successfully on many projects worldwide, one such project being the Akron, Ohio Canal Interceptor Tunnel (OCIT), with the machine breaking through as recently as Aug. 29, 2018.

The dominant position of Robbins is illustrated by the fact that currently all the world records for tunnel excavation in 3-9m diameter and 14m+ diameter categories were completed by Robbins' TBMs. It is worthy of note that the only world records not currently held by Robbins Equipment were undertaken by those of Herrenknecht (source: Robbins).



With more than 65 years of innovation and experience, The Robbins Company is said to be the world's foremost developer and manufacturer of advanced, underground construction machinery.

Photo by Don Bensman, Jr.



People in the industry

Ritchie Bros. introduces new online asset management and disposition solution: RB Asset Solutions

VANCOUVER, CANADA – Ritchie Bros.' latest solution for the market, RB Asset Solutions (rbassetsolutions.com), is a complete end-to-end asset management and disposition system. The new cloud-based SaaS solution brings together a suite of tools and services to help customers better manage, analyze and sell their assets. From any internet-enabled device, customers will be able to access a complete inventory management system, data analytics and dashboards, branded e-commerce sites and multiple external sales channels.

"We are delighted to announce the launch of RB Asset Solutions, our end-to-end asset management and disposition solution, intended to cement strategic partnerships with OEMs and their dealers and large enterprise-wide national and global accounts," said Ravi Saligram, chief executive officer, Ritchie Bros. "RB Asset Solutions provides an innovative SaaS-based offering to our customers, leveraging the power of our technologies, global reach and network effects driven by our platform. It will allow our customers ultimate flexibility and ease of use in disposing their equipment on their own, selling directly to affiliated customers or cascading through any of our multichannel solutions while optimizing price realization. We believe RB Asset Solutions, with its unique way of connecting with customers, will result in stickiness and enduring customer relationships."

Ritchie Bros. brands Mascus and IronPlanet both have a wealth of experience offering SaaS solutions – with close to 100 inventory management systems and more than 800 branded e-commerce sites already developed for customers. RB Asset Solutions combines the best tools and services from each of their offer-

ings into one system, along with new and improved features, including an updated inventory management system, new data offerings and easy access to multiple Ritchie Bros. sales channels: live, onsite unreserved auctions (Ritchie Bros. Auctioneers), weekly featured online events (IronPlanet) and a daily marketplace (Marketplace-E). Several customers are already using many of the tools featured in RB Asset Solutions, including Shell, CatUsed.com, Toyota and Volvo Construction Equipment.

"These tools have accelerated and standardized the way we manage our lease returns," said Tara Stryker, director, Remarketing Services, Volvo Construction Equipment N.A. "From an easy-to-use self-inspection tool, detailed inventory management system and a user-friendly and multilingual e-commerce site, RB Asset Solutions provides us the tools and services we need to optimize our remarketing capabilities in order to increase our machines' values at every stage of the lifecycle."

"We believe RB Asset Solutions presents one of the most powerful remarketing and disposition tools in the industry," said Matt Ackley, SVP, Product Management & Digital Marketing, Ritchie Bros. "The tools and services included will help customers fully understand and optimize the value of their equipment. In addition to the world-class inventory management system, customers can access data analytics to help them choose the perfect time to sell their assets – selling through their branded e-commerce site or one of Ritchie Bros. proven sales channels."

For more information on RB Asset Solutions visit rbassetsolutions.com.

Vacuworx promotes Hayes to vice president

TULSA, OK — Vacuworx is proud to announce the promotion of Randy Hayes to vice president of business Development and Strategic Accounts. This expanded role will allow him to more closely partner with national and key accounts as well as focus on new business opportunities across all of the markets that Vacuworx serves. Hayes has led the Vacuworx North American sales team, encompassing the United States and Canada, for the last 8 years as the Corporate Sales Director.

Hayes has worked in the oil and gas pipeline and related markets for 38 years. He joined the Vacuworx team in 2010. Prior, he was with T.D. Williamson for over 23 years in their Services Division, later managing the polyethylene fusion equipment division.

As part of his commitment to

the industry, Hayes is an active member of several organizations. He is currently an Associate Member Director for DCA (Distribution Contractors Association). In addition, he is involved on various levels with the Pipeline Contractors Association of Canada (PLCAC), American Pipeline Contractors Association (APCA), Concrete Sawing and Drilling Association (CSDA), Interstate Natural Gas Association of America (INGAA), National Association of Pipe Coating Applicators (NAPCA) and Associated Equipment Distributors (AED).

"Randy has been on the front line with our key customers for the last 8 years," said Bill Solomon, President of Vacuworx. "With so many opportunities for growth in both new and existing markets, we are excited to make this change to our sales structure

and reward his hard work."

Hayes attended American Christian College in Tulsa where he played baseball and graduated with a degree in Business Administration. He enjoys rooting for the Dallas Cowboys, playing the guitar, riding his Harley, and spending time with friends and family.



Vacuworx is proud to announce the promotion of Randy Hayes to vice president of business Development and Strategic Accounts.

Photo courtesy of Vacuworx



Stocking Equipment Dealer
Yemassee, SC 29902
843-525-6140
sales@sandscience.com
www.sandscience.com



61 Silva Lane, Dracut, MA 01826
978-454-3320
gilda@equipteast.com
www.equipteast.com

1474 Route 3A, Bow, NH 03304
603-410-5540



1772 Corn Rd., Smyrna, GA 30080
770-433-2670
sales@grindercrusherscreen.com
grindercrusherscreen.com



2351 Woodcrest Drive, Winter Park, FL 32792
407-468-6437
diversifiedecological@gmail.com
diversifiedecological.com

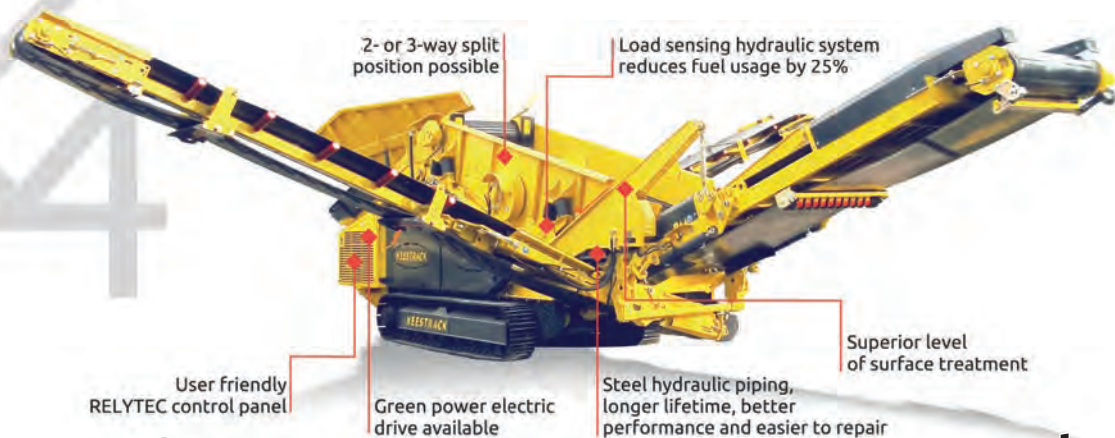
Ed's Equipment, Inc.
4567 East 71st, Cleveland, OH 44105
330-620-9993
ed@edsequiptmentinc.com

Keestrack USA Parts
Phone: +1 940-482-4004
Mob: +1 940-600-2034
Fax: +1 940-482-3005

Performance in every detail



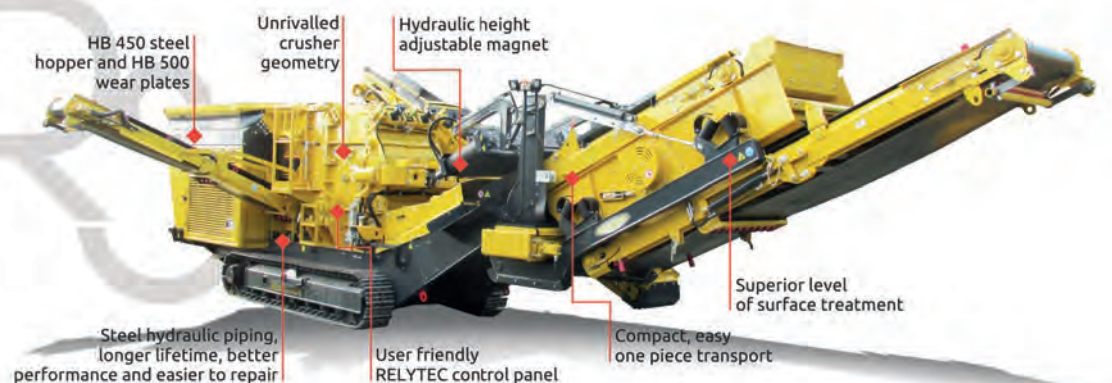
Mobile crushing & screening
24/7 Remote monitoring
Fuel efficient & hybrid systems
Minimum cost of ownership



Contact your nearest Keestrack dealer for more details



www.keestrack.com





People in the industry

Elementary school students learn electrical safety at Terex Utilities Safety Town assembly

WATERTOWN, SD — Engineering and safety professionals from Terex Utilities recently visited Castlewood Elementary School in Castlewood, SD, to teach fourth, fifth and sixth graders about electrical safety. The presentation included a live demonstration of Safety Town — a portable dollhouse style case equipped to show how electricity travels path to ground, as well as a hands-on Build-a-Boom activity.

"The Safety Town and Build-a-Boom workshop shows the importance of electrical safety, the role Terex equip-

ment aids in keeping utility workers safe and the connection between the electrical grid, utility lineworkers and how that keeps students warm, fed and entertained every day," said Marci Lewno Manufacturing Engineer for Terex Utilities.

Safety Town, when energized from a 120-volt grounded outlet, is 7500 volts at 30mA. The live demonstration shows what happens when two characters in the town, Neon Leon and Lightnin Liz, come in contact with live voltage. The voltage path lights up for a visual reference from the point of contact, down the character's arm, through the heart and to ground. Safety Town is only to be operated by trained professionals using insulating tools and wearing insulating rubber gloves rated at 7500 volts or more.

The Build-a-Boom workshop utilizes plant starter pots, cardboard, plastic components, nuts and bolts supplied by Terex. Following written instructions, students built their own model bucket truck.

"The lessons about electricity and safety around power lines was an important one for our learners so they know the potential danger they could face following a storm or farm accident," said Brandon Girard, Principal of Castlewood Elementary. Girard noted that the hands-on Build-a-Boom activity was engaging and introduced students to careers in manufacturing and the utility industry. "We are so thankful for the role Terex Utilities plays in our community," he said.

Terex 17



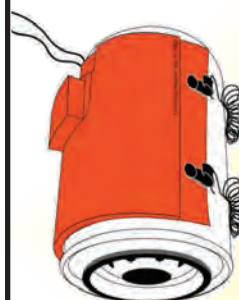
According to Principal Girard, one of their learners took his Terex Boom to the next level and made a model truck.



In the hands-on activity, students followed directions to build their own bucket truck.

ALL of our Heaters are MADE IN THE USA!

STOP FUEL GELLING IN THE FILTER



Universal Fuel Filter Preheater 12v, 24v, & 12v/120v & 24v/120v. Wraps the vehicle filter housing with Fiberglass/Silicone Pad. Easy mounting and removal with springs and nylon ties.

Stop Gelling For Bulk Tank Diesel Filters Too

Oil Heater, Peel N Stick



Universal
PREHEATERS

for Engines, Hydraulics, Transmissions, Batteries, etc. Converts the metal of the housing to a heat transfer element. Does not burn the oil.



ETIPTM, Inc.



P.O. Box 83, North Aurora, IL 60542-0083

800-530-5064 • Fax: 630-801-9569

sales@etipinc.com • www.etipinc.com

<http://universalpreheater.etipinc.com/> (Veteran Owned Small Business)



VENIERI
EARTHMOVING MACHINES

VF-Venieri earth moving machines bring more than expected. More safety, more power, and more versatility. In every machine!



1205 Galleria Blvd., Rock Hill, SC 29730

Powerful. Innovative. Versatile.



Model: VF18.63B

ams-venieri.com

info@appliedmach.com / 803-327-4949

Dealer Opportunities Available

Terex from 16



Roger Crom, retired lineman and Terex Utilities safety consultant, demonstrated how electricity in Safety Town works. The hot dog is used to mimic what happens when the human body is exposed to electricity.



Students at Castlewood Elementary learn about careers in the utility industry.

Photos courtesy of Terex Utilities

KUT-MOR FLAIL MOWERS

REAR • WING • BOOM AXE



Phone: 866-4FLAILS (435-2457)
Fax: 866-352-4528

Email: sales@montageent.com
Website: www.montageent.com

"We plan to use the Safety Town kit and Build-a-Boom workshop at other schools and community events," said Becki Dale, chairperson of the Terex Watertown Team Member Engagement Committee. However, the lessons are not just for children. Dale explained both activities are also used in new hire introductory training for Terex Utilities team members.

"As an employee of Terex I am continually learning about the electrical grid and its importance to the world. I take pride in our Terex equipment and appreciate the opportunity to share my knowledge with others," said Lewno.

www.
rockroadrecycle
.com



Construction Equipment

MARKETPLACE



Reaching **5,600** New York contractors & **15,000** New York farmers every month in print!

PLUS an additional **33,000** construction contractors digitally through our E-Mag, *ROAD*.



USED EQUIPMENT

NEW EQUIPMENT

CONSTRUCTION SUPPLIES

CONSTRUCTION SERVICES

Construction Equipment Marketplace hits mailboxes the last Monday of every month (*the same ad will come out the first of the following month in ROAD*). **Deadline** is the Wednesday prior to each Monday’s publish date.

Advertise your products and services in two quality markets across both print & digital platforms with one representation.

Call your representative today, or contact Matt Stanley at 800-218-5586 • mstanley@leepub.com

countryfolks.com

rockroadrecycle.com



People in the industry

BOND welcomes Bruce Brown as vice president, Southern New England, Civil & Utility

BOSTON, MA — BOND, the Northeast's premier building, civil, utility and energy construction firm announces the hiring of Bruce Brown as vice president, Southern New England, Civil and Utility. He will oversee the operations of BOND's C&U Division in Connecticut, Western Massachusetts and affiliated regions. He will focus on strengthening BOND's services in oil and gas, electric transmission and distribution, power generation and civil infrastructure markets.

Bruce will draw from over 34 years of construction and business management experience to drive sales and build client relationships throughout the region. With a focus on safety and quality, Brown is strongly suited for the position with a diverse energy project portfolio. His experience includes gas and electric plants, transmission lines, LNG/CNG delivery, utility plants, renewable energy farms and various industrial projects. He has worked with Eversource, Exelon, Avangrid, Piedmont Gas, UGI Energy Services, Holyoke Gas & Electric, Dominion and TransCanada.

"Bruce will play a key role in the success of BOND in the development of its Southern New England office," said Thomas Baillie, BOND's executive vice president, civil and utility. "He brings strong executive management and a results-proven track record building teams and exceeding client goals in the civil and utility construction markets. We are pleased to have him on board."

Prior to joining BOND, Brown was chief operating officer of NG Advantage, where he oversaw gas plant operations, transportation, logistics and future expansion. Previously he was vice president and general manager for Cianbro Corporation for the oil, gas and chemical market. Brown is a graduate of the University of Connecticut (UConn) and a licensed Electrical Unlimited Contractor E1 in Connecticut and Massachusetts. He currently resides in Thomaston, CT.



Bruce Brown will oversee the operations of BOND's C&U Division in Connecticut, Western Massachusetts and affiliated regions.

Photo courtesy of BOND



COMMONWEALTH EQUIPMENT

The source for ALL your portable crushing and screening needs.
All Equipment Subject to Availability.

[Click Here For More Details](#)



2016 McCLOSKEY 36x80
Wheeled Conveyor, 1,107 hrs.
Stk #MCC115, Variety of conveyors available, including new!

[Click Here For More Details](#)



McCLOSKEY TELESCOPING STACKERS
SDX 36x130 pictured
Available in variety of sizes!
Call for details.

[Click Here For More Details](#)



POWERSCREEN M65
HYDRAULIC CONVEYOR
Stk #CE255

[Click Here For More Details](#)



TELSMITH 48"
Fine Wheeled Cone Crusher
Stk #CE306

[Click Here For More Details](#)



2017 McCLOSKEY
with Cemco Turbo 80 VSI Impact
Crusher. Stk #MCC374

[Click Here For More Details](#)



2017 McCLOSKEY R155
Scalping Screen, 1,035 hrs.,
Stk #MCC318

[Click Here For More Details](#)



2015 McCLOSKEY 144
Impact Crusher, 3,744 hrs.,
Stk #MCC320

[Click Here For More Details](#)



2015 McCLOSKEY J45
Jaw Crusher w/Prescreen
3,141 hrs., Stk #MCC149

[Click Here For More Details](#)



2012 McCLOSKEY J44
Jaw Crusher, 5,690 hrs.,
Stk #MCC147

McCloskey
INTERNATIONAL
Authorized Dealer

Toll-Free 877-217-4474
commonwealthequipment.com

TESAB
ENGINEERING LTD.
Authorized Dealer

Why being “OSHA legal” isn’t enough

Go beyond compliance to better protect your employees and business.

Source: [EHS Today](#)

Michael Pardus | Aug 30, 2018

When it comes to chemical exposure protection for employees and downstream users, companies must be compliant with OSHA regulations. In 1970, OSHA created permissible exposure limits (PELs) that remain the rule of law to this day, though knowledge regarding exposure and toxicity has continued to evolve since then.

Disregarding that knowledge means legal compliance is not the same as protecting your company, employees and downstream users. Staying “OSHA legal” is no longer enough. Going beyond compliance is how you create a safer standard of care and protect your bottom line. But how exactly do you go beyond compliance? For starters, you look beyond OSHA regulations.

EPA & OSHA: overlapping jurisdictions?

While the EPA and OSHA have different purposes, their jurisdictions can seem to overlap when it comes to workplace exposure. Even though EPA has a broader reach, their guidelines do not nullify OSHA regulations when it comes to workplace compliance. But the lines can seem blurry and using only OSHA regulations is not enough.

EPA’s Toxic Substances Control Act (TSCA) includes rules that are wide-reaching and go far beyond workplace chemical exposure. TSCA has occupational exposure limits (OELs) that are more current—and “stricter”—than OSHA’s PELs. Additionally, there are now new amendments in the mix as a result of EPA’s Principles for TSCA Reform, which aim to “reauthorize and significantly strengthen” the effectiveness of TSCA. These developments point to potential regulatory shifts.

Could EPA consultation lead to OSHA updates?

OSHA itself recognizes that its PELs, many of which are based on Threshold Limit Values (TLVs) from 1968 or earlier, are woefully outdated. Until they update their PELs, OSHA continues to provide additional updated chemical information to employers who want to adopt more protective and preemptive measures voluntarily.

In efforts to help create more up-to-date regulations, EPA is consulting with OSHA. Additionally, OSHA is partnering with the American Chemistry Council (ACC) to look for more ways to ensure workplace safety. At ACC’s Global Chemical Regulations Conference (GlobalChem) this year, OSHA’s Directorate of Standards and Guidance director William Perry touched on the OSHA/EPA consultation. Perry noted that EPA has consulted with OSHA about some chemical reviews, but he said he is “not sure how active” the consultation will be over the long run.

The result of the consultation with EPA may be that OSHA adopts those stricter TSCA rules while still maintaining their workplace authority. Your best bet is to be proactive and keep your eyes glued to the road ahead. Adopt TSCA’s recommendations now to provide the best standard of care because it’s better for enterprise-wide risk management.

Be proactive with compliance

Forward-thinking companies know that merely complying with OSHA’s 40-year-old standards puts their investments — including worker and downstream user safety — at risk. When stricter rules exist, legal compliance tends to flow toward them, so it’s important to be proactive.

EPA’s OELs under TSCA create a new benchmark to which safety compliance stakeholders may want to adhere. Whether or not EPA’s OELs become the OSHA rule of law in the future, it’s wise to use them as a guide for chemical substances handled in the workplace.

Proactive steps: monitor, assess and then plan

How do you ensure you’re taking the right proactive steps to go beyond compliance? Start with constantly monitoring compliance trends. Create processes that help to ensure you’re alerted the moment there’s a whiff of a potential global chemical manufacturing trend. Technology can help, though only in concert with boots-on-the-ground monitoring efforts.

With constant monitoring comes continuous assessment—it’s the only path to productive planning and strategizing. If you monitor, assess and then plan, you’re more likely to avoid stopped production due to a chemical that “suddenly” can’t be used any longer. More importantly, you can be on top of an employee chemical exposure issue before it becomes a serious problem.

Improve your standard of care with voluntary guidelines

EPA and OSHA are not the only organizations creating chemical exposure limits. There are other sets of voluntary guidelines that many EHS professionals follow. While these are not legally enforceable rules, many businesses use them because they can help to ensure a standard of care that goes way beyond compliance.

A popular set of guidelines comes from the American Conference of Governmental Industrial Hygienists (ACGIH), which updates its TLVs every year. ACGIH is an 80-year-old scientific organization devoted to advancing occupational and environmental health. Many companies use their TLVs as

a tool to continually improve their standard of care, which in turn protects a company and boosts its bottom line.

There’s also the National Institute of Occupational Safety & Health (NIOSH). NIOSH, established by the Occupational Safety and Health Act of 1970, collects new knowledge with the aim of developing best practices. Like ACGIH, NIOSH guidelines are entirely voluntary.

Unlike ACGIH, NIOSH depends on government funding, which can lag, and therefore, hinder their recommended Exposure Limit (REL) updates. However, NIOSH still provides EHS professionals with guidance for a higher level of worker and downstream user protection than OSHA PELs alone.

These two organizations have well-recognized criteria for their guidelines, and many manufacturing organizations use their recommendations to go beyond compliance.

Developing appropriate OELs

Regardless of official regulations, manufacturing organizations need to establish their own OELs. But in today’s world, it’s easy to lose sight of reasonable OEL expectations for your circumstances. Companies must navigate non-legally binding TSCA guidelines along with mandatory OSHA regulations, plus recommendations from ACGIH and NIOSH. There’s no clear roadmap for the territory beyond compliance.

While OSHA’s PELs are the only official legal standards, it’s still crucial to consider the other more conservative recommendations. Do what’s right for your business. Keep in mind that some recommendations from industrial hygienists don’t consider systems thinking and may not work from a business continuity and risk management standpoint. Understanding your organization’s risk tolerance and risk competence is paramount when developing OELs.

For example, ACGIH could make a recommendation that would add two more steps to your production line, which would slow down manufacturing significantly—eating away at bottom-line dollars. The ACGIH could have excellent reasons for their recommendation, but how would it fit into your organization’s risk management plan? Is it worth it to slow down production and take a hit to the bottom line, especially if it’s not OSHA-mandated?

When creating OELs for your company, there are a few things to consider:

- Your company’s risk tolerance (and risk competence): all OELs should revolve around overall risk management policies.



U.S. Department of Labor updates National Emphasis Program on trenching and excavation safety

WASHINGTON, DC — The U.S. Department of Labor's Occupational Safety and Health Administration (OSHA) has updated the National Emphasis Program (NEP) on preventing trenching and excavation collapses in response to a recent spike in trenching fatalities.

OSHA's NEP will increase education and enforcement efforts while its inspectors will record trenching and excavation inspections in a national reporting system and each area OSHA office will develop outreach programs.

"Removing workers from and helping workers identify trenching hazards is critical," said Deputy Assistant Secretary of Labor for Occupational Safety and Health Loren Sweatt. "OSHA will concentrate the full force of enforcement and compliance assistance resources to help ensure that employers are

addressing these serious hazards."

The emphasis program began October 1, 2018, with a three-month period of education and prevention outreach. During this period, OSHA will continue to respond to complaints, referrals, hospitalizations, and fatalities. Enforcement activities will begin after the outreach period and remain in effect until canceled. OSHA-approved State Plans are expected to have enforcement procedures that are at least as effective as those in this instruction.

OSHA has developed a series of compliance assistance resources to help keep workers safe from trenching and excavation hazards. The trenching and excavation webpage provides information on trenching hazards and solutions.

For more information, visit www.osha.gov.



OSHA legal from 20

- New OELs EPA is currently developing under TSCA; at the very least, stay in the loop with where the EPA is heading.
- New use restrictions for existing chemicals; make sure old processes reflect new ideas.
- Analogous EPA OELs that apply to new compounds; if you want to use a new compound that is not yet covered by a use rule, there may be OEL data for an analogous substance that's appropriate.

While federal agencies decide new occupational exposure regulations, it's crucial to stay informed about all developing rules and trends to remain compliant. It's also vital to take proactive steps to look beyond EPA and OSHA for guidelines that will better protect your organization.

Most importantly, stay vigilant about reviewing and developing your own OELs. Going beyond compliance will improve your standard of care and keep you ahead of the workplace safety curve. Big businesses now require more transparency from their suppliers, and that's only going to increase in future years. You don't want to play catch-up.

Michael Pardus is a technical expert at Haley & Aldrich Inc., a consulting company specializing in underground engineering, environmental science and management consulting. He has 30 years of experience in industrial operations and environmental consulting, enterprise resilience and governance, EHS compliance, and regulatory affairs.



FOR ALL YOUR COMPLETE CRUSHING SOLUTIONS



INCLINE & HORIZONTAL SCREENERS, CONE CRUSHERS, JAW & IMPACT CRUSHERS, RIP RAP PLANT WASH PLANTS, LOAD OUT BIN BELT FEEDERS & ROCK WOOD SEPARATOR



Made in the U.S.A

**RD OLSON MFG
NORTHEAST DEALER
1-800-529-2515**



People in the industry

Yoder & Frey start preparations for Kissimmee 2019

Yoder & Frey, leading auctioneers of heavy construction, mining and agricultural equipment in the USA, is already starting to receive confirmations of inventory consignments to go under the hammer at the next, and now famous, Kissimmee winter equipment sale, which commences for a week from February 12th-16th 2019.

"We initiated the now famous Kissimmee Winter Consignment auction back in 1975 as a one day event that saw just \$2.8m worth of equipment go under the hammer," stated Peter Clark, President of Yoder & Frey. "Now in its 45th consecutive year, we are regarded as the 'elder statesmen' for this premier event that now spans several weeks and sees tens of thousands of pieces of quality heavy construction, mining and agricultural equipment collectively worth hundreds of millions of dollars go under the hammer from a number of auctioneers. The Kissimmee event also attracts thousands of eager bidders, all looking to pick up exactly what they need for upcoming projects and at competitive prices and we continue to meet their needs."

Founded in 1964, Yoder & Frey has continued to spearhead many innovative developments in the heavy equipment auction sector and in late 2016 the business merged with the UK based Euro Auctions operation. This vastly extended its global reach and meant it gained access to an established network of consignors and a network of over 150,000 buyers in over 95 countries. This coming together has also resulted in significant benefits for bidders and consignors alike and has really enhanced the overall quality of service delivered.

For example, last year a number of changes were evident at its 2018 Florida auctions, the most significant of which was the introduction of the ramp style auction. Here all rolling stock lots are paraded past the bidders, who can now sit in a comfortable, specially constructed arena. Quite a radical change from the previous approach where auctioneers and the whole entourage move to each piece of equipment being auctioned, wherever it was positioned around the massive yard. This change also helped improve logistics as attendees could easily pick up their bidder numbers and immediately engage in the sale as the administrative offices were located immediately adjacent to the sale ramp, making it far easier for everyone. New loading ramps were also built vastly simplifying the process of getting equipment in and out of the sales site for consignors and the trucking firms.

Further improvements are planned for the 2019 auction including the move to a 100 percent absolute auction. The February 2018 auction saw a selling figure of 97 percent — however, 2019 will go one better and be completely unreserved. Yoder and Frey believe in treating buyers and sellers equally and the only way to do this is by running an absolute event.

Another key to the success of Yoder & Frey has been its straight forward and friendly service that enables customers to easily buy and sell equipment and machinery as its culture was founded on family values and it's still run today as a family business. They strive to know all their customers personally and take immense pride in ensuring that they always receive the service they deserve and equipment that perfectly meets their needs.

"It is still too early to start to provide details on in-

dividual lots but Kissimmee 2019 is already shaping up to be bigger and better than last year. More consignors are showing interest in consigning significant lots and at a much earlier stage in the process," continued Peter Clark. "We've had a tremendous 2018 so far with three auctions in Florida, four in Ohio and a number of offsite auctions including one in Tampa and a Mining surplus auction coming up in Pennsylvania and several others in the pipeline. We also held our first online only auction selling CAT 777's which was immensely successful exceeding all our expectations. If 2018 continues in the same vein our 2019 auction has the making of the best auction in the history of the Kissimmee winter event, which can only be good for both the bidders and consignors."

Yoder & Frey Kissimmee 2018 successes

- Bidders came from over 100 countries and from right across the USA
- Over 6000 lots of quality new, used and surplus equipment consigned
- Over 1000 engines, consigned and sold at this five day auction event
- Almost a 30% increase in the final hammer from the 2017 sale
- Bidder registrations leapt almost 60% on previous annual totals to over 3200
- Number of first time registrations more than doubled to over 1300
- Online registrations also more than doubled
- Online sales now account for just under one in four transactions – 24%
- Web visits also rocketed almost threefold (249%) in the weeks just prior to the sale with average dwell time on the website more than doubling to around 10 minutes per visit.

Kissimmee 2018 testimonials

- "Yoder & Frey know how to best market my equipment to a wide audience and as a consignor I have confidence that it will be seen by the right buyer in time for each sale." – Ohio Mulch – Jim Weber
- "Selling with Yoder & Frey is such a simple overall experience and with the various sales managers on hand to help with transportation and ensuring my equipment is ready for sale. I wouldn't sell with any other auctioneer." – Milams Equipment Sales – Tommy Milam
- "I like the broad display of equipment Yoder & Frey presents to its buying public at each sale. When looking for a new machine, what I want is choice, and through the huge network of sales I can always find exactly what I want." – Pittsburg Lawn & Tractor – Richard Wojkowski
- "As part of our business development we continually refresh our fleet and as a result need to attract buyers to our redundant equipment. Yoder & Frey has held a number of disposal sales for our business and we have been extremely happy with the prices realized, as well as the manner in which all assets were disposed of." – Bill Miller

Register for upcoming auctions

For information and to pre-register for the upcoming Yoder & Frey Kissimmee or other auctions potential consignors and all bidders should visit the [web-site](http://www.yoderandfrey.com). Alternatively Yoder & Frey can be contacted by email at info@yoderandfrey.com. Catalogues and further information on all other forthcoming Global auction events are also available from Euro Auctions at www.euroauctions.com.



Yoder & Frey is already starting to receive confirmations of inventory consignments to go under the hammer at the next Kissimmee winter equipment sale February 12th-16th 2019.

yoder & frey

HEAVY EQUIPMENT AUCTIONS



268 East 4th Street
Ashland, OH 44805
License Number: C003078

T. +1 419.309.6500



ASHLAND, OH

December 6th @ 8.30am

CONSIGN YOUR EQUIPMENT NOW!

**DO NOT MISS
THIS CHANCE**

Expose your underutilized machines to a vibrant and growing US marketplace of eager buyers and turn your machinery into **CASH** - it's as simple as that!



2013 Komatsu
PC360LC-10 - choice



2012 Volvo EC380DL



Unused CAT 308E2CR
- choice



2012 Case 850L



Unused CAT 906M



Unused Case 321F



Unused Case SR130
- choice



Unused CAT CB2.7
- choice

View our full inventory online: www.yoderandfrey.com

CALL NOW TO CONSIGN YOUR EQUIPMENT:

Kevin Teets +1 304.266.2955

Peter Clark +1 419.356.4612

Daryl Houle +1 603.856.1689

Kevin Pittman +1 419.654.5462

Joe Thurston +1 407.388.4888

Steve Watson +1 678.414.4110



Trucks, Trailers & Attachments

New Cat® 740 GC expands articulated truck lineup

The Cat® 740 GC articulated dump truck (ADT) re-introduces the 40-ton (36.3 mt) size class to the Cat ADT range. The new model is designed to incorporate the proven features and performance of models currently in the ADT lineup, including new controls, transmission-protection features, hoist-assist system, advanced traction-control system, stability-assist system and a fuel-saving ECO mode.

In addition, the 740 GC also incorporates the latest automatic retarder-control system, which requires no input from the operator, resulting in greater operating efficiency. For added control and convenience, the new model also features a wait-brake, which temporarily applies the service brakes during pauses in the work cycle, reducing operator effort and fatigue. Also, a hill-start system automatically holds the machine on grades, allowing the operator to move from the service brake to the throttle with no rollback on slopes.

The 740 GC cab features the new external spinal-ROPS, which is found on other Cat ADTs in the range. This cab incorporates a rear-quarter glass that eliminates a structural pillar, resulting in enhanced rear visibility. Also, a “wake-up” feature initiates machine displays when the door is opened. The door itself is lighter and stronger than previous designs and more effectively seals against dust infiltration. The overall cab design results in interior sound levels of 72 dB(A).

Optional infrared glass reduces solar heating inside the cab, and left- and right-hand sliding windows increase ventilation while also facilitating communication with workers and the loader operator. An automatic climate-control (HVAC) system positions more vents above and behind the operator for increased heating and cooling efficiency. An optional heated/cooled seat provides added adjustments that allow operators to dial in personal comfort settings, and the second seat with added cushioning now uses a flip-up/flip-down design to provide additional cab storage.

For added safety, a lighting system, controlled via a ground-level switch, illuminates the cab's entry steps and hitch area as part of the wake up feature, and optional long-range LED work lights improve overall visibility at night. Optional integrated payload lights provide an external indication of payload levels for the loader operator or site supervisor, helping to ensure proper loading. Exterior features include a redesigned, flexible lower fender and a low-profile exhaust stack that need not be removed for transport.

The optional Cat Connect PAYLOAD technology calculates payload via sensors on the walking-beam suspension and includes load-status lights at all four corners of the cab roof to ensure visibility to the loader operator from any angle. In addition, the standard Cat Detect/Stability-Assist system monitors the working angle of the tractor and body — as well as the grade — and cautions the operator if the machine is approaching a set threshold angle, stopping the dump process if continued action might potentially result in tipping.

Further enhancing safe operation is the Cat Advanced Automatic Traction Control (AATC) system, which features refined technology for proactively applying differential locks to avoid wheel spin. The

AATC feature is designed to enhance operator productivity and to lower owning and operating costs by protecting tires from unnecessary wear. A terrain-based, throttle-smoothing system prevents throttle input surges as the ADT travels over rough ground, avoiding a situation in which the operator has difficulty maintaining a steady pressure on the throttle pedal.

Innovative controls

A combined transmission-and-hoist lever provides efficient, single-lever control of gear selection and body-hoisting functions to reduce operator effort and to automate repetitive actions. A mode switch in the cab allows operators to choose either manual or assisted-hoisting control; the latter selection allows the automatic application of the wait brake, shifting of the transmission to neutral and raising of the body to maximum angle at engine high idle when the hoist is momentarily flicked to the “raise position.” The assisted-hoisting mode also allows automatic return of the body to the lowered position, when the hoist control is momentarily flicked to the “lower” position. Both raise and lower functions feature automatic speed reduction and cushioning of the body at the limits of its movement, reducing forces that could cause shock loads.

Controls for limiting machine speed, for transmission gear-hold and for wait-brake application are easily engaged using buttons on the combined transmission/hoist lever. In addition, a shift-protection system brings the truck to a safe stop if a directional shift is made while the truck is moving. The combined shifting/hoisting lever also incorporates the parking brake position. In the unlikely event of primary and secondary service brake system failure, a red colored emergency-brake button — located on the right hand side of the dashboard — will apply the parking brake.

Model specifics

The new 740 GC uses the Cat C15 ACERT™ engine available in configurations to meet emission standards of both highly regulated (HRC) and less regulated (LRC) countries. Transmission is the Cat CX38B.



The Cat® 740 GC articulated dump truck re-introduces the 40-ton (36.3 mt) size class to the Cat ADT range.



For added safety, a lighting system, controlled via a ground-level switch, illuminates the cab's entry steps and hitch area as part of the wake up feature.

Photos courtesy of Cat®



A combined transmission-and-hoist lever provides efficient, single-lever control of gear selection and body-hoisting functions to reduce operator effort and to automate repetitive actions.

Truck side guards for safety

A rise in cyclist and pedestrian deaths in traffic collisions is spurring a push for safer streets regionally and nationally.

A growing coalition of organizations are calling for the implementation of vital safety measures, including side guards on large commercial trucks such as waste haulers, dump trucks, and box trucks. The guards prevent people from being pulled under the vehicle's wheels and run over in the case of a collision.

Pedestrians now account for 15 percent of all traffic deaths nationwide, according to a recent Governors Highway Safety Association report.

However, in a 2016 tally in Philadelphia, the Bicycle Coalition of Greater Philadelphia found that pedestrians and bicyclists made up more than half of the city's road deaths.

Sarah Clark Stuart is executive director of the Bicycle Coalition of Greater Philadelphia, an organization that promotes safe cycling in the region.

The Bicycle Coalition has urged the city to adopt a number of safety measures. This includes a deadline for all trucks doing business in the city to install side guards.

"We're looking at a whole range of solutions," says Stuart. "At the top of our list are truck side guards, along with protected bike lanes, speed enforcement, and other community level traffic calming approaches."

According to Stuart, to promote safer streets, the Bicycle Coalition is also working with various groups — including AARP, Uber, the American Heart Association, the Realtor Association, and Chamber of Commerce — to rally around Vision Zero principles.

Vision Zero is a strategy to eliminate all traffic fatalities and severe injuries, while increasing safe, healthy, equitable mobility for all. First implemented in Sweden in the 1990s, Vision Zero has proved successful across Europe, and now is gaining momentum in major American cities such as New York City, Philadelphia, Los Angeles, Seattle, and Boston.

"Companies and local governments that operate in major urban areas should take a careful look at side guards as a way to prevent tragic incidents involving pedestrians and bicyclists," says David Biderman, executive director and CEO of Solid Waste Association of North America (SWANA), the largest member-based solid waste association in North America.

According to Biderman, there is an increasing number of cities in the United States that have bike share programs, so there are many more cyclists on the road than there were five or ten years ago.

"We need to be evaluating ways to protect the cyclists who may inadvertently run into the side of a truck, from being swept underneath the truck," he says. "Side guards are a leading way to prevent that."

One example of such side guards is produced by Dur-A-Guard, a Union, NJ-based manufacturer of truck

side guards, whose devices are Vision Zero compliant.

Biderman points out that side guards can also mitigate the danger of a collision with increasingly distracted pedestrians, who may be texting while walking or listening to music with earbuds.

"For a turning truck, an inattentive pedestrian would walk into a side guard and bounce off the truck instead of potentially being run over by it," says Biderman.

According to Biderman, there are 100,000 plus garbage trucks in the U.S., with trucks operating in every city.

"You need to employ best practice techniques to prevent the worst from happening," he says. "So we are encouraging waste haulers to be proactive, and not wait for an incident to occur before considering side guards."

One challenge of getting side guards implemented in a majority of waste hauling trucks nationally is the large amount of individual variation among the vehicles.

"To implement side guards on a wider basis, it is important to customize them to any make or model of garbage truck because the vehicles come in a variety of configurations," explains Biderman. "There are different kinds of trucks, and the bodies are different lengths. You need to be able to customize the side guards to fit the space between the wheels to prevent someone from falling into the space and being run over."

One of the nation's highest profile uses of truck side guards so far occurs in New York City, which is requiring the safety barrier on 10,000 vehicles by 2024 as part of its Vision Zero Action Plan for ending traffic deaths and injuries.

To comply with New York City's Vision Zero program, Action Carting Environmental Services, a provider of non-hazardous waste management services for New York City and New Jersey, chose to retrofit its fleet of trucks with side guards from Dur-A-Guard.

Dur-A-Guard worked with Action Carting to accommodate the various makes, models, and configurations of its fleet.

To encourage such implementation, Biderman recommends the use of side guards that ease truck operation and maintenance. Some side guards, for instance, do not need to be permanently welded onto trucks.

As an example, companies like Dur-A-Guard offer side guards that lift up or swing down on hinges to offer access beneath the truck. Another high-density, aluminum design is lightweight enough to be removed by one person.

With the momentum growing toward utilizing side guards to reduce traffic related deaths and injuries at the regional level, there is also movement at the national legislative level rising as well.

In fact, one proposed federal law seeks to save lives



Trucks, Trailers & Attachments



Companies like Dur-A-Guard offer side guards that lift up or swing down on hinges to offer access beneath the truck.



The guards prevent people from being pulled under the vehicle's wheels and run over in the case of a collision.

Photos courtesy of Dur-A-Guard

with truck side guards. U.S. Senators Marco Rubio (R-FL) and Kirsten Gillibrand (D-NY) recently introduced the Stop Underrides Act (S. 2219), which aims to prevent a deadly type of crash between trucks and cars. These traumatic accidents occur when a car slides under a large truck's body or trailer, directly impacting the car's windows and passengers, sometimes decapitating them. Underride crashes are often fatal, even at low speed.

The Stop Underrides Act proposes adding a simple barrier under trucks, called an "underride guard", to prevent a car from sliding underneath a truck in an accident.

Terex Utilities published technical tip on adjusting demand throttle for telescopic aerial devices

WATERTOWN, SD — Terex Utilities recently published Tech Tip #67, Adjusting a Demand Throttle Switch. The Tech Tip is available for download from the Technical Support tab at www.terex.com/utilities.

"Tech Tips provide information that answers frequently asked questions or common challenges customers face," said Jason Julius, training and Tech support manager. "Tech Tips are one of the many ways Terex Utilities listens and responds to customers," he said.

Information is intended to supplement model specific operation and maintenance manuals. Tech Tips are focused on accomplishing a single adjustment, repair, or

component replacement, with step-by-step instructions and graphics. Tech Tip #67, for example, applies to Terex Utilities telescopic aerial devices and overcenter aerial devices. It discusses how to adjust the demand throttle switch so the engine speed will increase as the hydraulic pressure increases indicating a requirement for more flow to operate boom functions.

"Terex Utilities strives to provide customers with comprehensive support through the entire lifecycle of their equipment," said Richard Gunderman, director of Terex services. Read this and dozens of other [Tech Tips](#) by clicking the link.



Tech Tip #67, for example, applies to Terex Utilities telescopic aerial devices and overcenter aerial devices.

Photo courtesy of Terex Utilities

Lone Star Drills upgrades LS400T+ rotary head for improved efficiency and serviceability

LIVINGSTON, TEXAS — Lone Star Drills, a division of Little Beaver Inc. and manufacturer of efficient and portable drilling equipment, introduces high-torque Rineer rotary vane hydraulic motors for its LS400T+. The powerful water well and geothermal drill is Lone Star's largest rig and efficiently drills as deep as 400 feet through hard rock and volcanic formations. The new hydraulic motor reduces rotary service time from days to less than an hour.

"The Rineer motor and Super Swivel combination is an all-around improvement compared to the drill's previous top drive swivel and hydraulic motor. It's easier to work on, provides greater torque, and is priced right, making it economical to keep a backup swivel on hand for emergencies," said Joe Haynes, Little Beaver president. "With the previous rotary, servicing a leak often took the drill out of use for two to three days while the swivel was in the shop. Now the drill can be up and running in about 30 minutes with a backup swivel and operators can replace seals on the leaking swivel at their leisure."

Lone Star offers the LS400T+ with two different Rineer motors, both providing greater torque than the drill's previous hydraulic motor. The MV037 operates at a maximum speed of 125 rpm and is ideal for mud rotary drilling. The motor generates up to 1,030 foot-pounds of torque at 3,000 psi. The larger MV057 operates at a maximum speed of 60 rpm and is ideal for DTH hammer drilling. It offers as much as 2,200 foot-pounds of torque at 3,000 psi.

The LS400T+ delivers 15,000 pounds of pullback force — three times more than Lone Star Drills' next largest model — and 9,000 pounds of pushdown force. And at a weight of 7,700 pounds, the drill requires less anchoring than lighter trailer-mounted rigs. It also accommodates 10-foot drill pipe, which allows crews to quickly reach target depth.

The rugged water well drill is trailer mounted and towable by small truck or UTV. The trailer features surge brakes, three hand jacks for leveling and can be fitted with either a pintle ring or ball hitch. It also includes an integrated pipe rack to conveniently transport drill pipe between locations.

Lone Star Drills' rugged LS400T+ water well drill is trailer mounted and towable by small truck or UTV.

Photos courtesy of Lone Star Drills



The new high-torque Rineer rotary vane hydraulic motor on Lone Star Drills' LS400T+ reduces rotary service time from days to less than an hour.



Lone Star offers the LS400T+ with two different Rineer motors, both providing greater torque and easier serviceability compared to the drill's previous hydraulic motor.



ARDCO introduces AMT dump beds for multi-purpose truck

NEW IBERIA, LA — ARDCO announces the launch of its new AMT dump beds for the articulating multi-purpose truck (AMT), offering payloads of 10 to 20 tons, volume upgrades for lighter materials and tire options to suit extreme conditions where other articulated dump trucks simply can't perform. For optimal machine versatility, the beds can be added or removed from the modular AMT platform when changing the back-end attachment for different jobsite tasks.

The AMT 600 dump bed provides a payload of 40,000 pounds and standard dump capacity of 16 cubic yards. Sideboards can be added to increase capacity to 24 cubic yards when

handling low-density material. The AMT 400 dump bed has a 20,000-pound payload and an 8-cubic yard dump capacity that goes up to 12.5 cubic yards with sideboards. Both models have a 70-degree dump angle at full dump height, with an efficient raise time of 12.5 seconds and lower time of 13.2 seconds.

The dump beds are among many interchangeable ARDCO attachments compatible with the back-end platform of the AMT allowing users to tackle multiple applications with a single machine. The AMT 600 is powered by a 250-horsepower Cummins QSB6.7 Tier 4

ARDCO 27



Both models have a 70-degree dump angle at full dump height, with an efficient raise time of 12.5 seconds and lower time of 13.2 seconds.

Photos courtesy of ARDCO

Bandit celebrates 35th Anniversary with dealers, customers and community

More than 350 dealers, customers and special guests descended upon Bandit Industries' world headquarters in mid-Michigan on Sept. 12 to celebrate 35 years of continued success, and to check out what's in store for the coming years.

That celebration included tours of Bandit's facilities, a behind-the-scenes look at the process of building the most powerful wood processing equipment in the industry and capped off with a demonstration of more than two dozens machines — including brand new, never before seen machines.

"We couldn't properly celebrate 35 years without our dealers who are committed to providing the best support and our amazing customers who have stood with us over the years," said Bandit Sales Manager

Jason Morey. "But Bandit Industries is a success because of the hardworking men and women who show up every day to build these machines."

After the special Bandit guests had gone home, Bandit opened its doors to the mid-Michigan community for an open house on Sept. 15. Nearly 800 guests dropped by for machine demonstrations, plant tours, food and fun.

Bandit Industries has had an amazing 35 years, with new and exciting opportunities for the future. With the recent announcement of the company going employee-owned, excitement is at an all-time high for Bandit employees and the community.

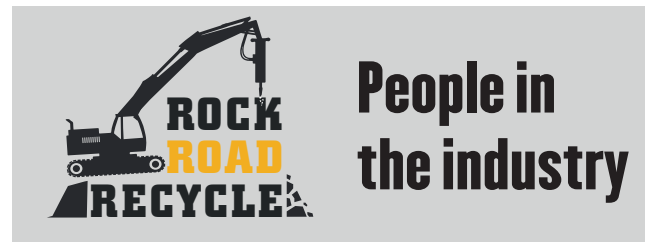
Learn more about Bandit Industries by visiting www.banditchippers.com.



During the open house, The Beast was grinding and coloring mulch.



The celebration included tours of Bandit's facilities, a behind-the-scenes look at the building process a demonstration of more than two dozens machines.



After the dealers and customers had gone home, Bandit opened its doors to the mid-Michigan community for an open house on Sept. 15.

Photos courtesy of Bandit



Bandit celebrated 35 years with customers, dealers and the community.

ARDCO from 26

Final diesel engine, features selectable 4- or 6-wheel-drive and has a top travel speed of 30 miles per hour. The 200-horsepower AMT 400 has selectable 2- or 4-wheel-drive and travels up to 25 miles per hour.

Specifically built for off-road travel, the AMT includes a high-strength center pivot trunnion with approximately 20 degrees of oscillation, which allows all the tires to maintain ground contact and traction while driving over rough terrain. The 40-degree approach/departure angle is twice that of most ADTs, giving the AMT superior off-road capability. The truck features hydraulic articulation steering by double hydraulic cylinders with a brake assist option available. The articulating motion allows the tires to slide left or right to gain traction in wet or muddy conditions. Users can choose from multiple tire options including terra, construction, tractor or sand tires.

The AMT has a 2-person fully enclosed all-weather ROPS cab with heating and air conditioning. A 7-inch display in the steering column provides digital gauges with onboard diagnostics, digital manual access, and an optional backup camera display. The streamlined design offers panoramic visibility, ergonomic controls and rugged durability.



The dump beds are among many interchangeable ARDCO attachments compatible with the back-end platform of the AMT.

GET THE eMAX TODAY!



eMAX 20S with loader, mid-mount mower and 4' economy blade

Major Features:

- A high fuel efficiency, quiet running, long lasting engine
- Easy-to-operate Hydrostatic transmission
- mComfort™ Seat with foldable armrests for more comfortable operation
- Ag tire option at no additional cost
- Includes loader with Quick-Attach couplers, mid-mount mower and a 4-foot economy blade
- Optional backhoe available
- Backhoe, loader and mower all compatible together
- Optional delivery to home or place of business
- 7-year limited powertrain warranty
- Great Mahindra dealer parts and service network along with 20+ years of success in America



**5445 NYS Rte. 353 • LITTLE VALLEY, NY
(716) 938-9175**

Mahindra
Tractors

MahindraUSA.com © 2018 Mahindra USA Inc.

FORESTRY EQUIPMENT



**2001 HYDRO AX 511E
UNIT L2292**



**JOHN DEERE UNIT
L2639**



**2012 JOHN DEERE 1210E
UNIT L2641**

BOONVILLE, NY
1-800-541-4214
8730 Industrial Drive
Husqvarna Dealer

LITTLE VALLEY, NY
(716) 938-9175
5445 NYS Route 353
Husqvarna & Mahindra



Logging Equipment

www.CJLOGGINGEQUIPMENT.com

CJ MOTOR SPORTS
8711 INDUSTRIAL DRIVE
BOONVILLE - (315) 942-4756

www.cjmotorsportsonline.com

PARTS • SALES • SERVICE

Check Out Our Large Selection Of Clothing!



Kawasaki



509



READY WHEN YOU ARE



FOR A LIMITED TIME GET:

**SNOW BLOWER
REBATES UP
TO \$100**

**ZERO
PERCENT
FINANCING**

**WARRANTIES
UP TO 4
YEARS**

**TRACTOR
SNOW
ACCESSORY
REBATES**

Ask us for complete details and
qualifying models. Offer valid
August 15 to December 31, 2018.

THERE ARE MANY WAYS TO SAVE BEFORE WINTER

BRING HOME SUPERIOR RESULTS AND GREAT SAVINGS.

Husqvarna snow blowers offer optimal performance in any environment. Powered by Husqvarna engines, they feature intuitive controls, ergonomic designs and are backed by an industry leading warranty. Shop before the snow flies at the Husqvarna Dealer Days Sales Event, and get great products and great deals. HUSQVARNA.COM



ALLENWOOD, PA
(570) 538-2504
17153 US Route 15
Husqvarna Dealer

WHEELOCK, VT
(802) 626-8100
698 ROUTE 122



THE R EVOLUTION BEGINS.

INTRODUCING BOBCAT **R**-SERIES EXCAVATORS

Robust. Remarkable. Revolutionary. However you describe them, R-Series compact excavators are the best yet from Bobcat Company. R you ready for the revolution?

► Take a closer look at NEW
R-Series compact excavators:
Bobcat.com/MyR-Series

Bobcat®, the Bobcat logo and the colors of the Bobcat machine are registered trademarks of Bobcat Company in the United States and various other countries. ©2017 Bobcat Company. All rights reserved. I 53663-8



Bobcat®

One Tough Animal.

Authorized Bobcat Dealers

CONNECTICUT

Bobcat of Connecticut, Inc.

East Hartford

860-282-2648

www.bobcatct.com

Bobcat of Stratford

Stratford

203-380-2300

www.bobcatct.com

MASSACHUSETTS

Bobcat of Greater Springfield

West Springfield

413-746-4647

www.bobcatct.com

Bobcat of Worcester

Auburn

508-752-8844

www.bobcatct.com

NEW JERSEY

Bobcat of New Jersey

Totowa

973-774-9500

877-9-BOBCAT

www.njbobcat.com

NEW YORK

Bobcat of Mid-Hudson

Newburgh

845-764-8466

www.summitbobcat.com

Summit Handling Systems Inc.

Walden

845-569-8195

www.summitbobcat.com

Warner Sales & Service

Rome

315-336-0311

www.warnerss.com

RHODE ISLAND

Bobcat of Rhode Island

Warwick

401-921-4300

www.bobcatct.com

ADVERTISE IN RockRoadRecycle.com



YOUR DYNAMIC NEWS RESOURCE FOR THE AGGREGATE,
HEAVY CONSTRUCTION AND RECYCLING INDUSTRIES.

Log in to rockroadrecycle.com for
a FREE subscription.



DECEMBER - Editorial Focus

Repair & Maintenance
Deadline 11/7/18

JANUARY - Editorial Focus

What's New for 2019/Woman in Construction
World of Asphalt Pre-Show
Deadline 12/20/18

FEBRUARY - Editorial Focus

Wheel Loaders/Dozers
Deadline 1/17/19

ADVERTISE YOUR
EQUIPMENT & SERVICES

INSERT YOUR BROCHURE
IN OUR DIGITAL PUBLICATION

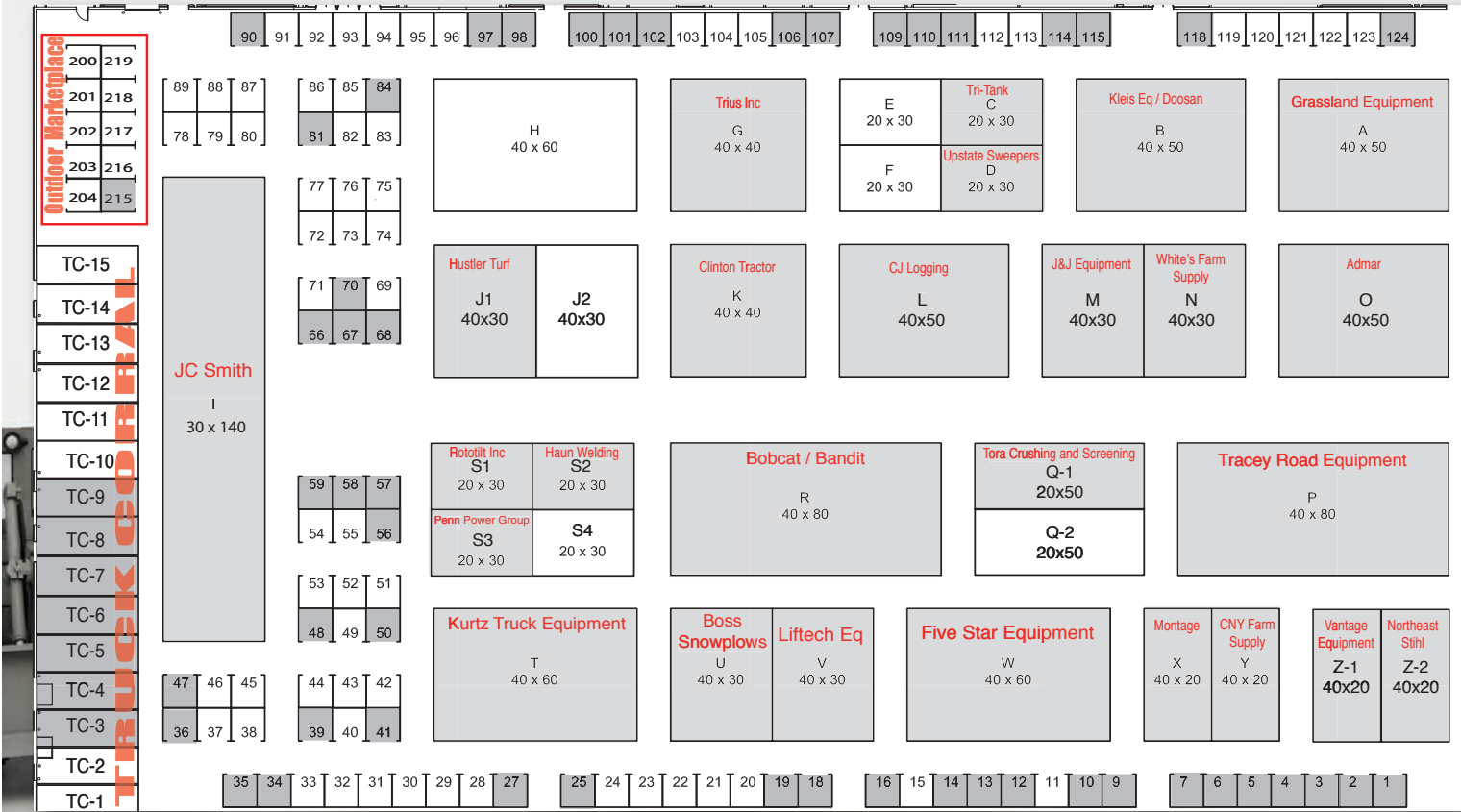
POST YOUR VIDEOS

PROMOTE YOUR AUCTION

1-800-218-5586
info@rockroadrecycle.com

Don't Miss Your
Chance to Exhibit





HARD HAT EXPO

April 3 & 4, 2019

NYS Fairgrounds • Syracuse, NY

Wednesday 8-4 • Thursday 8-3

800-218-5586

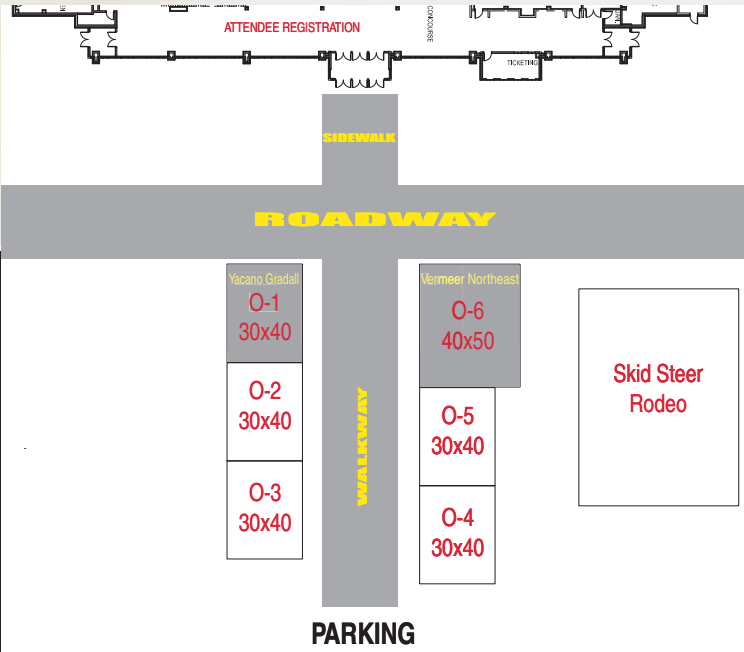
mstanley@leepub.com

www.hardhatexpo.com

Brought to you by

rockroadrecycle.com





LOCATED IN THE NEW
EXPO CENTER FOR 2019





To Place A Classified Ad Phone 1 (800) 836-2888 • Fax (518) 673-2381 • E-mail: classified@leepub.com

RRR Mailing Address Classifieds,
PO Box 121, Palatine Bridge, NY 13428

Number / Classification

- 20 Air Compressors
- 25 Air Tools
- 35 Announcements
- 45 Antiques
- 55 Appraisal Services
- 60 Asphalt Equipment
- 70 Attachments
- 80 Auctions
- 85 Backhoe/Loaders
- 135 Bits
- 150 Buckets
- 155 Building Materials/Supplies
- 157 Building Repair
- 160 Buildings For Sale
- 165 Business Opportunities
- 190 Chain Saws
- 200 Chippers
- 220 Compaction Equipment
- 225 Composting Equipment
- 230 Compressors
- 240 Concrete Mobile Mixers
- 245 Concrete Products
- 255 Construction Demolition
- 265 Construction Eq. For Rent
- 270 Construction Eq. For Sale
- 275 Construction Machinery Wanted
- 277 Construction Services
- 278 Construction Subcontracting
- 280 Construction Supplies
- 300 Conveyors
- 310 Cranes
- 320 Crushing Equipment
- 375 Dozers
- 400 Drills
- 415 Employment Wanted
- 425 Engines
- 430 Excavators
- 470 Financial Services
- 494 For Lease
- 495 For Rent
- 505 Forklifts
- 535 Generators
- 550 Gradalls
- 555 Graders
- 610 Help Wanted
- 635 Hoists
- 705 Legal Notices
- 745 Loaders
- 760 Lumber & Wood Products
- 780 Maintenance & Repair
- 800 Mine Equipment
- 805 Miscellaneous
- 880 Parts
- 885 Parts & Repair
- 890 Pavers
- 925 Pressure Washers
- 950 Real Estate For Sale
- 955 Real Estate Wanted
- 975 Rentals
- 997 Safety Equipment
- 1017 Scrapers
- 1020 Screening Equipment
- 1040 Services Offered
- 1085 Snowplows
- 1097 Sprayers
- 1105 Sweepers
- 1120 Tools
- 1130 Tractors
- 1140 Trailers
- 1145 Training
- 1170 Truck Parts & Equipment
- 1175 Trucking
- 1180 Trucks
- 1205 Wanted

Announcements

ADVERTISING DEADLINE Thursday, November 7, 2018

For as little as \$10.00 - place a classified ad in

Rock Road Recycle

Call Peg at **1-800-836-2888**

or **518-673-0111**

or email classified@leepub.com

Air Compressors

LARGE 2 STAGE air compressor. 315-281-5076

Announcements

CHECK YOUR AD - ADVERTISERS should check their ads on the first week of insertion. Lee Newspapers shall not be liable for typographical, or errors in publication except to the extent of the cost of the first weeks insertion of the ad, and shall also not be liable for damages due to failure to publish an ad. Adjustment for errors is limited to the cost of that portion of the ad wherein the error occurred. **Report any errors to Peg Patrei at 518-673-0111 or 800-836-2888.**



★ ★ ★ ★ ★ ADVERTISERS

Get the best responses from your advertisements by including the age, condition, price and best calling hours. Also, we always recommend insertion for at least 2 issues for maximum benefits. **Call Peg at 1-800-836-2888**

IS YOUR WEBSITE MOBILE FRIENDLY? Google reporting listing changes for non mobile friendly sites!! Don't lose your traffic. Update now!!! WWE Marketing 518-527-6800 wjleepub@gmail.com

Building Materials/Supplies

Announcements

Construction Equipment For Sale

AIR COMPRESSOR, LeRoi 185, John Deere diesel, 600hrs., like new; Vermeer LM35 trencher plow, 1,300hrs. 518-993-2370

Construction Services



Zimmerman Repair

All types of AG and Construction
Equipment Repair.

Penn Yan, New York
315.536.6040

Custom Services

BUSINESS CARDS: 1,000 for only \$60.00, full color glossy. Give us your existing card or we will design one for you! **FREE SHIPPING** included. Call Lee Newspapers at 518-673-0101 or email commercialprint@leepub.com



Building Materials/Supplies

Engines

Carl McQuillen

ENGINES INC

- Block & Cylinder Head Reconditioning
- Crank Shaft Grinding
- Shaft Repair
- Engine Kits

(585) 768-2322

www.mcquillenenGINES.com

8171 East Main Road Le Roy, NY 14482



Fencing

LOCUST POSTS, POLES, Split Rails, 6x6's, 4x4's, other hardwood boards and planks, custom cut. Also lots, land cleared, woodlots wanted. 518-883-8284.

Construction Services



Lumber & Wood Products



We buy heart pine, fir, oak, & other species.

800-951-9663

michele@pioneermillworks.com



www.rockroadrecycle.com

Help Wanted

Help Wanted

Need to Hire Someone? Looking For Your Next Star Employee?

Check out the

ROCK ROAD RECYCLE JOB BOARD

Go to

jobs.hardhat.com



Lumber & Wood Products

Lumber & Wood Products

WANTED

ANTIQUE TIMBERS & BOARDS

Yellow Pine, Cypress,
Fir, Oak.

(512) 658-2220

WHAT ITS WORTH, INC.

KIMBALL, TN

WIWPINE@GMAIL.COM



Labels, Magnets, Business Cards, Rack Cards, Banners, Flyers/Brochures, Postcards, Business Forms, Non-Carbon Reproduction Forms (NCR), Signs, Pull-Up Banner Stands, Feather Banner Stands, Door Hangers, Envelopes, Invitations, Posters, Calendars, Self-Inking Stamps. Call with your needs. **Lee Newspapers 518-673-0101** or email commercialprint@leepub.com

D&J Supply LLC

26 & 29 Ga. Metal Roofing & Siding
Pre-Engineered Trusses
Pole Barn Packages - Any Size
~ Direct Shipments ~

Call Us for Your Building Needs

Located in Central New York

518-568-3562

1-800-836-2888

To Place A Classified Ad Phone 1 (800) 836-2888 • Fax (518) 673-2381 • E-mail: classified@leepub.com

HARD HAT NEWS CLASSIFIED SECTION

Mailing Address: Hard Hat News Classifieds, PO Box 121, Palatine Bridge, NY 13428

Real Estate For Sale

QUARRY FOR SALE in Alton, Illinois with 300' of high calcium rock, good for cement. Railroad lines & barges available. Great location, next to highway. Other potential property available. For more info call 217-854-9229

Sawmills

IRELAND #6 Sawmill w/American steel ceiling mount swing saw. 100' of non-powered roller conveyors w/one independent power section & 110' powered w/motors & stands. 315-281-5076

Snowplows


Snow Pushers 6' up to 16'
Other Sizes Available
Quick-tach, Bucket Mount or Bare Back



PINE RIDGE Welding and Machine
Penn Yan, NY - Steel Sales - 315-536-2102

Trailers

1970 DUMP TRAILER, 24' steel, oldie but goodie, good for demo work, \$2,500. 716-937-6434.



Trailers

Trucks

Martin's Farm Trucks, LLC

Trucks for All Your Needs - Specializing in Agri-Business Vehicles



2011 International 5900i, ISX Cummins 525hp, Jake, 18spd, 18/20/46 axles, HMX susp, Quadlock, double frame, 19.5' dump, 78" sides 451k miles, \$76,500



2016 Freightliner M2, ISL Cummins 350HP, Exhaust Brake, Allison 6spd, 16/40/13.2K Axles, Airliner HD susp, Double frame, 28"x100" Eby Aluminum flatbed, 56,045 original miles, \$86,500

717-597-0310

Snowplows

Miscellaneous

BUSINESS CARD MAGNETS only \$75.00 for 250. Free Shipping. Call Lee Publications at 518-673-0101. Please allow 7-10 business days for delivery.

CALEDONIA DIESEL, LLC

TRUCK & EQUIPMENT SALES & SERVICE

"The Diesel People!"



EQUIPMENT RENTALS

2905 Simpson Rd., Caledonia, NY
Just 1 mile south of Route 20 on 36 south

585-538-4395 • 1-800-311-2880
Since 1982



2014 Hyundai HL730-9A Wheel Loader
3,940 hours, EROPS w/heat and A/C, 2.5 CY bucket, Cummins 128 HP, 17.5x25 rubber, Powershift w/autoshift option \$59,500



2003 Sterling AT9500 Knuckle Boom/Dump Truck
Cat C12 355HP, 10 speed, 826k Miles, 10' Steel Body, Mid Mount IMT Crane, Hitch, Air Ride, Stock #5846 \$19,500



Cat CT660S Quad Axle Cab & Chassis
CT13 475HP, 18 speed, 177k Miles, Double frame, 20k front, 46k rears, Mid and rear lift axles, 25' of frame. Stock #5852 \$59,500



2012 Freightliner M2 Flatbed
Cummins ISB 240HP, Automatic Trans., 23' steel deck. 31,000 Lbs. GVW, 270k miles
Stock #5867 \$24,500



2008 Peterbilt 367 Day Cab
Cummins 485HP, Allison automatic, 109k miles, 14k front axle, 44k full locking rears, wet-line, Stock #5843 \$59,900



2007 Sterling Tri-axle Tractor
Cat C15 466HP, 18 speed, 308k miles, 14.7k front axle, 20k lift and 46k full locking rears. Wet line, air ride. Stock #5851 \$32,900

Please check our Web site @ www.caledoniadiesel.com

4 Easy Ways To Place A ROCK ROAD RECYCLE Classified

1. **PHONE IT IN** - Just give Peggy a call at 1-800-836-2888

2. **FAX IT IN** - For MasterCard, Visa, American Express or Discover customers...
Fill out the form completely and fax to Peggy at (518) 673-2381

3. **MAIL IT IN** - Fill out the form, calculate the cost, enclose your check/money order or credit card information and mail to:
ROCK ROAD RECYCLE Classifieds
PO Box 121
Palatine Bridge, NY 13428

4. **E-MAIL IT IN** - E-mail your ad to classified@leepub.com
e-mail or call with your credit card information.

FOR BEST RESULTS, RUN YOUR AD FOR TWO ISSUES!

Cost per issue: \$10.00 for the first 14 words, 30¢ each additional word.
(Phone # counts as one word)

Number of Issues to Run

			\$10.00	\$10.30
\$10.60	\$10.90	\$11.20	\$11.50	\$11.80
\$11.80	\$12.10	\$12.40	\$12.70	\$13.00
\$13.00	\$13.30	\$13.60	\$13.90	\$14.20
\$14.20	\$14.50	\$14.80	\$15.10	

Name: (Print) _____

Street: _____ County: _____

City: _____ St.: _____ Zip: _____

Phone: _____ Fax: _____

Cell: _____ E-mail: _____

☐ I have enclosed a Check/Money Order

☐ Please charge my credit card:

☐ American Express ☐ Discover ☐ Visa ☐ MasterCard

Card #: _____ Exp. Date: _____ (MM/YY)

* (REQ.) Card Security Code # _____

Signature: _____ Date: _____ (MM/YY)

(Required with Credit Card Payment Only)

SPECIAL OF THE WEEK



New PJ 102"x22' Deckover

Full bed tilt trailer, 14,000 lb. GVW, self contained, hydraulics power up/down, LED lights, adjustable coupler, winch plate, divided tool box, front steps, mud flaps

\$7,235

Midlakes Trailer Sales

"We'll hook you up"

1595 Yale Farm Rd., Romulus, NY 14541

Toll Free 888-585-3580 ~ 315-585-6411



Bandit Builds Your Bottom Line.



You Deserve the Best.

From our most compact stump grinders and hand-fed chippers through our largest whole tree chippers and The Beast® recyclers, Bandit® equipment is built to make you money.

We reduce your costs by maximizing fuel efficiency and reducing downtime. And we increase your income by producing the highest quality end product for your market.

Bandit builds the best hand-fed chippers, stump grinders, whole tree chippers, The Beast recyclers, track carriers and skid steer attachments in the industry. And equally as important... Bandit Builds Your Bottom Line.



Bandit
INDUSTRIES, INC.

www.banditchippers.com | 1.800.952.0178 | Remus, MI - USA

VISIT YOUR NEAREST AUTHORIZED DEALER LOCATION

CLEAVES CO. INC.

300 Reservoir St.
Needham, MA 02494
781-449-0833

lenny.cleaves@cleavesco.com
www.cleavesco.com

ROBERT H. FINKE & SONS INC.

1569 U.S. Rt 9W
Selkirk, NY 12158
518-767-9331

dfiacco@finkeequipment.com
www.finkeequipment.com

BOBCAT OF SARATOGA

1279 Rt 9
Gansevoort, NY 12831
518-798-9283

dfiacco@finkeequipment.com
www.bobcatofsaratoga.com



Business Service Directory

SITE/OFFICE QUICK REFERENCE GUIDE

\$75 per month

6 months save 10% • 12 months save 20%

Equipment/Supplies/Services

Construction Equipment



SALES • RENTALS • RENT TO OWN

866-455-6333

SERVICE/USED PARTS/FABRICATING DEPTS.

sales@beckequipment.com

www.beckequipment.com



SALES • SERVICE • RENT NEW HOLLAND

WESTCHESTER TRACTOR, INC.

60 INTERNATIONAL BLVD., BREWSTER, NY 10509

DAN GRIPPO

Sales Representative

Email: dgrippo@wtractor.com

www.wtractor.com

845-278-7766 Office

845-278-4431 Fax

Equipment Attachments/Accessories

Dave Stern Tire



Since 1917

1 Year/1,000 Hours
Guarantee for Excavators
Guaranteed Fit
Top Quality

Skid Steer
Tracks Sprockets • Rollers
Front & Rear Idlers

Tires For All Applications

973-684-1433

Fax 973-279-8741

Email: dave-stern@optonline.net • www.davesterntire.com
390 McLean Blvd., Paterson, NJ 07513

Trucks/Trailers/Accessories



800-848-3468

607-849-3468

607-849-6181 Fax

607-423-4287 Cell

chuck@kurtztruckequipment.com

1085 McGraw - Marathon Road, Marathon, NY 13803
www.kurtztruckequipment.com



BUSINESS
FLEET & COMMERCIAL DIVISION

5885 E. Circle Drive, Cicero, NY 13039

Call Us For Your Next Company Vehicle Quote!



(315) 233-5342

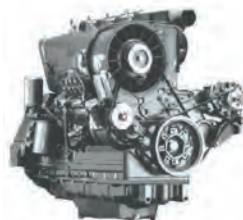
www.DVBIZwheels.com



NISSAN Commercial Vehicles

Parts & Repair

Deutz/Perkins/Twin Disc



**Foley
Engines**

800.233.6539

Since 1916!

Trucks/Trailers/Accessories

THE TRAILER SHOP

TRI TANK CORP.

Parts, Sales & Service

Check out our current
inventory at tritank.com

315-451-8663

115 Farrell Road

Syracuse, NY 13209



ROAD

BUSINESS CATEGORIES

Equipment Suppliers & Services

Aggregate Eq
Earthmoving/Landscaping/Land Clearing Eq
Environmental Compliance
Forestry/Logging
Highway Construction Eq
Highway Maintenance Eq
Lifting/Material Handling Eq
Parts & Repair
Power Generation/Lighting
Shop/Warehouse Eq
Storage/Containers
Trucks/Trailers
Used Eq • Utility
Wood Processing Eq
Equipment Attachments/Accessories
Tools • Other

Materials & Supplies

Construction & Building
Fuels/Lubrication Supplies
Landscaping
Office/Warehouse
Other

Professional Services

Accounting/Tax Consultation/Preparation
Employee Search
Environmental Consultation
Heating
Insurance • Legal
Personnel Management
Safety Consultation
Trucking/Shipping Services
Other

Software/Computing/Info. Management

Business Management (office/inventory)
Bid Preparation/Estimating
GPS
Fleet Management
Other



To advertise, contact Tina Krieger at
518-673-0108 • tkrieger@leepub.com



Pipeline capabilities from Vermeer



Hard-nosed and sure-footed

Time- and contractor-tested, Vermeer pipeline trenchers have cut through some of the world's toughest landscapes. Built hard-nosed to power through abrasive rock and nimble enough to traverse mountain ranges, the Vermeer family of trenchers has been an invaluable asset on the pipeline for 50 years.

The TEC® Plus electronic control system communicates with multiple machine control modules for real-time performance data and advanced troubleshooting capabilities. On select models, an oscillating track frame allows the trencher to follow the ground's contour ensuring a vertical trench on slopes up to 10 degrees.

A wireless remote control provides full operation functionality and is designed to be used in conditions such as working near a high wall or unloading/loading onto a trailer.

A cut above the rest

When the jobsite is remote, getting bedding or backfill material in and out can be almost impossible. Unlike excavation, Vermeer pipeline trenchers create even trench floors reducing the need for extra bedding.

Due to the boom cutting action, consistent-sized backfill is readily available — saving valuable time.

An elevating cab provides a view of the boom, trench and conveyor, allowing operators to adjust the trencher's boom length to match jobsite requirements.

A hydrostatic transmission provides maximum power, high torque and is backed by an industry-leading five-year, 5000-hour extended care package.



Reclaimers and high-pressure mud pumps help contractors reduce jobsite costs by recycling drilling fluid.



Above: As the underground construction industry has evolved over the last 20 years, Vermeer has responded with an expanded drill lineup to better serve pipeline contractors.

Left: Due to the boom cutting action, consistent-sized backfill is readily available — saving valuable time.

Photos courtesy of Vermeer

Setting the standard

As the underground construction industry has evolved over the last 20 years, Vermeer has responded with an expanded drill lineup to better serve pipeline contractors. Recognizing the need for reliable equipment, Vermeer drills help make a real impact on productivity.

A self-contained design allows the drill to fit in tight right-of-ways and congested urban areas, while minimizing trucking and hauling expenses.

Common controls throughout the Vermeer Navigator® HDD drill lineup can decrease operator training time and allow for faster startups.

The commitment to low-speed, high-torque design helps operators to muscle through difficult ground conditions.

Master the subterrain

The longest shots and the most difficult ground conditions require a drill that can install the biggest pipe in a cost-effective and timely manner.

The Vermeer maxi rig lineup provides the power and performance that tough pipeline jobs require and it is supported by a Vermeer dealer network committed to helping you maximize jobsite productivity.

Hydraulic motor design allows for full torque and rotation simultaneously, which helps with productivity and efficiency. While the innovative rear lift design helps make setup easier, minimizing the amount of support equipment required allowing operators to set their drill rack at the preferred angle.

A split vise design features a front and rear removable module improving visibility down the drill stem and allowing ease-of-maintenance.

Maximize your drill time

It takes more than a drill to meet the challenges of pipeline jobsites. Reclaimers and high-pressure mud pumps help contractors reduce jobsite costs by recycling drilling fluid. On jobsites where large volumes of fluid are pumped each day, this family of support

equipment allows you to spend more time drilling and less time hauling.

The high pressure mud pump delivers a consistent flow of drilling fluid that is vital to helping maximize productivity. To achieve premium performance in a variety of conditions, operators can select a linear or orbital shaker motion to improve recycling performance.

Spacious working decks on Vermeer reclaimers offer pallet storage space and convenient access to the mix hopper.

Maintaining your jobsite

Vermeer partners with two of the trenchless industry's leading vacuum excavation systems manufacturers — Vac-Tron and McLaughlin — to provide the very best in waste disposal and site cleanup options.

As the challenges posed by regulations on pipeline jobsites grow, vacuum excavation systems offer invaluable ways to help keep your jobsite maintained, on schedule and profitable.

Low profile and practical design considerations make vacuum excavation systems an indispensable addition to your fleet. Hydraulically operated rear doors offer convenience and security which minimizes the possibility of waste leakage. A variety of capacity and mounting options are offered, allowing operators to choose the system best suited to the operation.

It takes more than a machine

Vermeer knows the toughest jobs require equally tough tools. Rely on the BORESTORE® HDD tooling and accessories warehouse team for the customized tooling solutions needed to take on the next pipeline challenge. Choose from a variety of trencher chains to cut through rocky conditions, and the selection of grinder screens helps maximize sizing versatility. Lighten the heavy lifting with the DECKHAND® Pipe Handling System by LaValley Industries — an intuitive system that reduces the need for ground personnel and increases jobsite efficiency.

For more information or to find a dealer near you, visit: Vermeer.com.



Like us on
Facebook



ClintonTractor & Implement Co.

The Calidonna Family



[Click Here For More Info](#)



2014 New Holland W80C Wheel Loader - 74HP, Articulate Frame, Hydrostatic Transmission, 4WD, Diesel, w/Fenders, 405/70R20 Tires **\$69,975**

[Click Here For More Info](#)



Rental
New Holland E60C Mini-Ex
64HP,
11'9" Dig,
12,940 Lbs.
Operating Weight,
Hammer Capable,
No Thumb
\$68,975

[Click Here For More Info](#)



2008 New Holland B95B Backhoe 1,089 Hrs., 95.3HP, 4WD, Extend-A-Hoe, Cab, H/AC/Radio, 8x8 Trans **\$49,975**

[Click Here For More Info](#)



John Deere 323E Track Loader - 74HP, 2,590 Lbs. Lift, Hand Controls, Cab, Heat/AC/Radio, Rubber Tracks, Approx. 662 Hrs **\$48,975**

[Click Here For More Info](#)



2015 New Holland C238 Skid Steer Approx. 1,145 Hrs., 90HP, 3,800 Lbs. Lift, Rubber Tracks, Cab w/Bucket **\$42,975**



New Holland E37c Mini-Excavator 24.4HP, 17'5" Dig Depth, Rubber Tracks, Approx. 120 Hrs., Open Station w/ Sunshade & ROPS **\$41,900**



Rental New Holland C227 Skid Steer 74HP, 2,700 Lbs. Lift Capacity, Open Cab, Approx. 45 Hrs., Rubber Tracks **\$39,995**

[Click Here For More Info](#)



Caterpillar 257B Track Loader - 61HP, 2,300 Lbs. Lift, Cab, Heat Only, New Undercarriage, Approx. 1,787 Hrs. **\$35,975**



2008 New Holland W50B Wheel Loader 50HP, Articulate Frame, Hydrostatic Transmission, 4WD, Diesel w/ Fenders **\$29,975**



New Holland LB75.b Backhoe - 95HP, 4WD, Cab, Extend-A-Hoe, Radio/Heat, 4x4 Transmission, Approx. 7,148 Hrs. **\$25,975**

[Click Here For More Info](#)



2011 New Holland L213 Skid Steer 46HP, 1,300 Lbs. Lift, Approx. 176 Hrs., Cab, Backup Camera & Monitor... **\$24,975**



Demo
Ventrac 4500Z
- 25HP, w/Front & Rear Duals, Approx. 168 Hrs., 3Pt Hitch, Rear Remote, Full Warranty
\$24,975
Special Offer
\$21,975

ARTBA announces 2018-19 officers at national convention in New York

The American Road & Transportation Builders Association (ARTBA) announced the election of its 2018-2019 officers during an Oct. 1 annual business meeting at the association's national convention in New York City.

They include:

Chair: Bob Alger, president and CEO, Lane Industries, Cheshire, Conn.

Senior Vice Chair: Steve McGough, president and chief financial officer, HCSS, Sugar Land, Texas

First Vice Chair: Ward Nye, president and CEO of Martin Marietta Materials, Raleigh, NC

Northeastern Region Vice Chair: David Harwood, senior vice president, Terracon, Olathe, KS

Southern Region Vice Chair: Jeff Nelson, president, David Nelson Construction Co., Palm Harbor, FL

Western Region Vice Chair: Jeff Clyde, president, W.W. Clyde & Company, Springville, Utah

Central Region Vice Chair: Jim Fehsenfeld, CEO, Heritage Construction & Materials, Indianapolis, IN

Vice Chair At-Large: Tom Pellette, group president, construction industries, Caterpillar Inc., Deerfield, IL

Vice Chair At-Large: Randy Lake, CEO, CRH Americas Materials Inc., Atlanta, GA

Vice Chair At-Large: Tim Duit, president, Duit Construction, Edmond, OK

Vice Chair At-Large: Paula Hammond, senior vice president, WSP, Seattle, WA

Vice Chair At-Large: Susan Martinovich, national highway market director, Jacobs, Carson City, NV

Vice Chair At-Large: Don Graul, president, Parsons Construction Group, Westminster, CO

Treasurer: Tom Hill, CEO, Summit Materials, LLC, Denver, CO

Established in 1902, ARTBA represents the

U.S. transportation design and construction industry in Washington, D.C.





Radial 240 R4™

ON FARM SERVICE

24 HOUR ROAD SERVICE

CERTIFIED FIRESTONE DEALER

David Webb - Owner


402 State Hwy 163
Fort Plain, NY 13339
518-993-2235
hilltoptire@hotmail.com



We do up to a 35/65R33

AUTO • TRUCK • AG • OTR


Find us on Facebook www.hilltoptire.net



MOHAWK VALLEY FREIGHTLINER

315-736-3330 • Toll Free 866-830-1463


703 Oriskany Blvd. • Yorkville (Utica), NY
www.mvfreightliner.com



**HARVEST SPECIAL
2007
FREIGHTLINER
COLUMBIA**

14L Series 60, pre-emission, 10 speed, 46 rears, air suspension, wet line, 476,500 miles, 14,600 front axle.


**Priced to Move,
3/4 Locker**



2015 M2 lo profile

NON CDL Cummins big block ISL 300 hp, Allison 3500 w/ PTO gear, air suspension, diff lock, air brakes, 255/70R22.5 tires, aluminum wheels, 120" CA. Very HD unit. 342,000 mi, well maintained, many new parts.

**Similar New Model with
Detroit DD8 Available**



2018 M2 Roll Back

300 Cummins, Allison, 33,000lb GVWR, air susp, diff lock, new 24' Jerr Dan industrial roll back. Wood floor, 20,000lb winch, 5,000lb wheel lift/hitch

REAL PEOPLE ANSWER THE PHONE

Need a Building Fast? Call Essex Structural Steel for one that lasts!



Specializing in Pole Barn & Pre-Engineered Steel Buildings for 45 years

- Roofing & Siding Panels available in 17 colors to match existing barns and structures
- Complete steel packages with up to 200' span to house any size & shape equipment or commodity
- Easy Assembly saves time & money!
- Designed in the Northeast with extreme weather in mind for long lasting durability - 45 years without a building failure!
- Made in Cortland, NY. Built by American Workers for American Farmers!

We Manufacture both 26 & 29 Gauge Steel Roofing & Siding, and Mini-Self Storage Systems.



Essex Structural Steel Co., Inc.

607 State Route 13, Cortland, NY 13045
800-323-7739 / 607-753-9384 / 607-753-6272 Fax
www.essexsteel.com




THIS IS YOUR NEXT TRACTOR

Check out the Massey Ferguson® 70-100 hp 4700 Series! These hardworking, versatile tractors make short work of every task. Plus, Mabie Brothers has a full selection of genuine AGCO parts in stock to keep you running no matter the season.

www.masseyferguson.us




MABIE BROTHERS INC.

8571 Kinderhook Rd • Kirkville, NY 13082
315-687-7891 • www.MabieBros.com

©2018 AGCO Corporation. AGCO Parts and Massey Ferguson are worldwide brands of AGCO Corporation. AGCO, AGCO Parts and Massey Ferguson are trademarks of AGCO. All rights reserved.



DOOSAN

DOOSAN. POWERFUL SOLUTIONS.

At Doosan, we do more than engineer products. We engineer solutions. Robust compressors that weather the harshest conditions. Generators and light towers that match innovation with efficiency. Unrivalled service and support, day or night. That's the way we've operated for over 100 years, and the way we'll do business for decades to come.

AIR COMPRESSORS / GENERATORS / LIGHT TOWERS

Liftech Equipment Companies

6847 Ellicott Drive, East Syracuse, NY 13057

877-Liftech

sales@liftech.com

www.liftech.com

Rochester, NY

241 Paul Road, Rochester, NY 14624

Phone: 585-328-6380

Fax: 585-328-3622

Toll Free: 800-339-9651

Buffalo, NY

4381 Walden Avenue, Lancaster, NY 14086

Phone: 716-684-9040

Fax: 716-684-9044

Toll Free: 800-284-9580

Jamestown, NY

1225 East 2nd Street, Jamestown, NY 14701

Phone: 716-488-1759

Schenectady, NY

2820 Curry Road, Schenectady, NY 12301

Phone: 518-356-5932

Fax: 518-356-5892

Toll Free: 800-874-3472

Binghamton NY

535 Vestal Pkwy W, Vestal, NY 13850

Phone: 607-775-2744

Fax: 607-644-9349

Toll Free: 877-543-8324

Burlington, VT

33B Commerce Avenue

S. Burlington, VT 05403

Phone: 802-864-0308

Fax: 802-864-1826

Toll Free: 800-874-3472



World of Asphalt is a **one-stop shop** because you have distributors, you have suppliers, and you have **everything you need in the asphalt business** all right here.



[PAVING THE FUTURE]

February 12-14, 2019 • Indianapolis, IN, USA

Register in advance and save over 35% at www.worldofasphalt.com or text **"ASPHALT"** to 313131.





DOOSAN STRENGTH WINS EVERY TIME

We have the strength you need to conquer every job.

Visit us today to learn more:



Major League Baseball trademarks and copyrights are used with permission of Major League Baseball Properties, Inc. Visit MLB.com
Doosan® and the Doosan logo are registered trademarks of Doosan Corp. in the United States and various other countries around the world.
©2018 Doosan Infracore North America, LLC. All rights reserved.

Built To Spec by Kurtz Truck Equipment

Custom Solutions for Specialty Needs



**SCOTT
TRUCK BODIES**



**Dump Trailers
Propane/Petroleum
Delivery Units
Elec./Hyd. Hoist
Crane Trucks
Accessories**



**Tool Boxes
Dump Bodies
Service Bodies
Platform Bodies
Cylinder Bodies
Material Handling Equip.**



KURTZ TRUCK EQUIP., INC.

1085 McGraw-Marathon Rd.

Marathon, NY

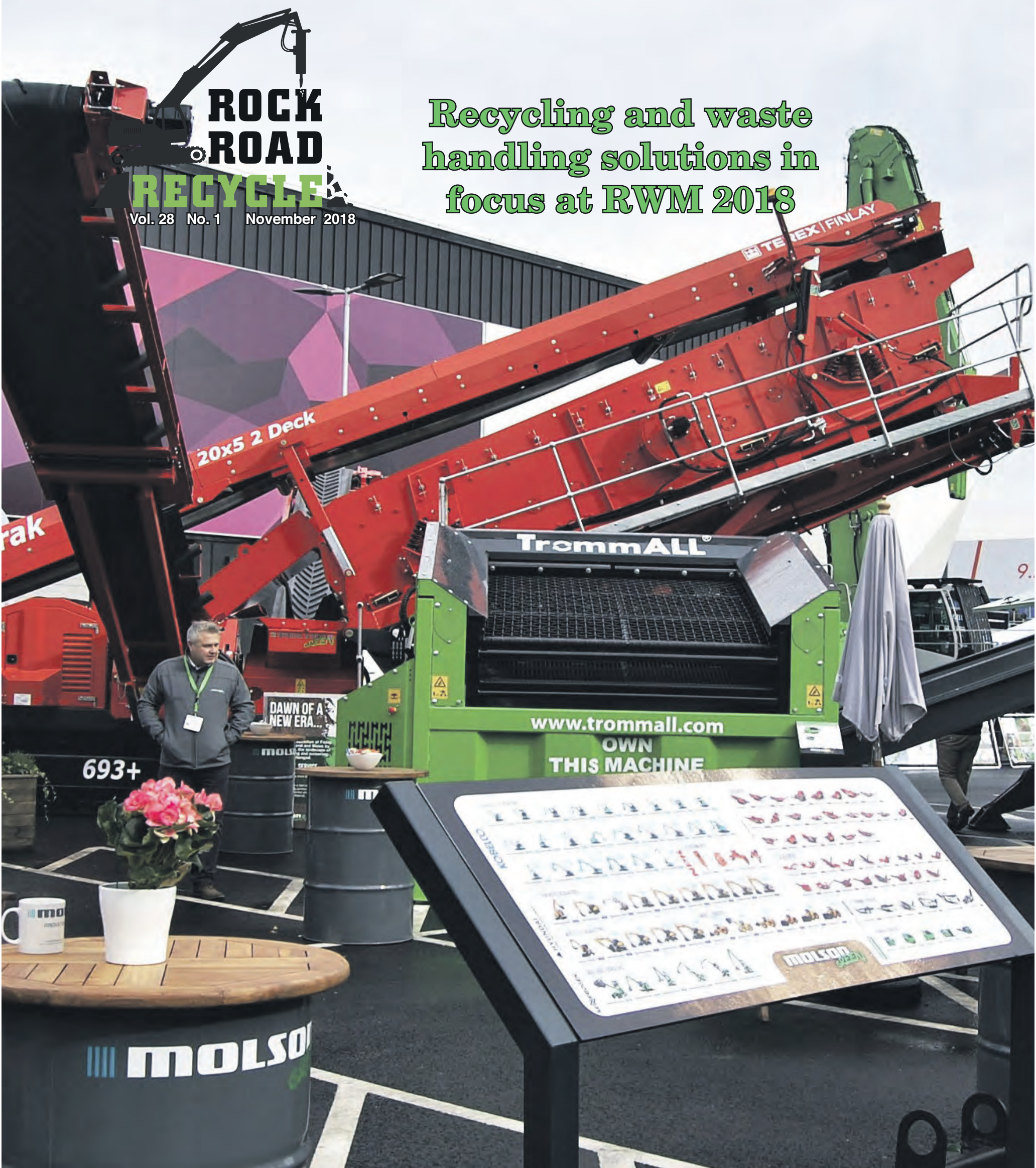
800-848-3468 / 607-849-3468



ROCK ROAD RECYCLE

Vol. 28 No. 1 November 2018

Recycling and waste handling solutions in focus at RWM 2018





- Attachments
- Breakers / shears / grapples



Recycling and waste handling solutions in focus at RWM 2018

by RockRoadRecycle staff writer

On the Cover: Aggregate resulting from tunneling is a valuable resource and is generally considered to be a recycled aggregate.

PG 3

28

Classifieds

6

Breakers and hydraulic hammers in focus

RRR staff writer



10

Cat B-Prefix hammers feature low owning and operating costs, versatility, ease of use



14

Bandit celebrates 35th anniversary with dealers, customers and community



24

Morbark debuts new equipment at demo days event



Associations and affiliations:



Frederick W. Lee
Publisher, President

Bruce Button VP, General Manager
bbutton@leepub.com

Jessica Mackay Production Coordinator
ext. 137 jmackay@leepub.com

Colleen Suo Editor
ext. 145 csuo@leepub.com

Gabbie Albrecht Social Media Coordinator
ext. 163 galbrecht@leepub.com

Ad Sales: 1-800-218-5586

Matt Stanley Sales Manager
ext. 124 mstanley@leepub.com

Peggy Patrel Classified Ad Manager
ext. 111 classified@leepub.com

Tina Krieger
ext. 108 tkrieger@leepub.com

Steve Pelosi
ext. 166 spelosi@leepub.com

Scott Duffy
802-484-7240 srduffy@together.net

Andy Haman
ext. 160 ahaman@leepub.com

Jessica Waite
ext. 116 jwaite@leepub.com

Christopher Nyce
267-261-4235 cnyce@leepub.com

Christine Attle
315-317-0905 christine.leepub@gmail.com

Patrick Burk
585-343-9721 burk.patrick1956@gmail.com

Free Subscriptions:
www.rockroadrecycle.com
rockroadrecycle.com/my-account/

Mention of product names in articles does not indicate an endorsement. We do not guarantee claims stated by advertisers. Permission is granted for reprinting of editorial content provided RockRoadRecycle.com is given full credit.

Lee Newspapers, Inc.
PO Box 121 / 6113 St. Hwy. 5
Palatine Bridge, NY 13248
PH 518-673-3237

Recycling and waste handling solutions in focus at RWM 2018

Coverage and photos by

RockRoadRecycle staff writer



The RWM exhibition is the UK's largest trade show for the recycling, processing, handling and deriving solutions from waste materials.

The RWM (recycling and waste management) exhibition is the UK's largest trade-show for the recycling, processing, handling and deriving solutions from waste materials. Held at the NEC in Birmingham, UK, over 500 exhibitors provided an insight into how their equipment and services can help businesses, governments and individuals deal with a variety of waste. This year there was also a great deal to interest construction companies, with many exhibitors providing equipment and services for the handling, processing and recycling of construction and demolition materials.

Over 500 exhibitors and more than 12,000 visitors came to the NEC in Birmingham from Sept. 12-13 for the UK's largest trade show aimed at providing innovative solutions for the recycling and waste management industries. Although not specifically aimed at the requirements of the demolition and construction industries, areas of the show were heavily focused on dealing with waste arising from construction and demolition. The Machinery & Equipment Sector focused heavily on solutions aimed at the innovative handling of construction and demolition waste, as well as hazardous materials recycling.

This is hardly surprising as the aim of the show is to provide an insight into solutions which divert as much material as possible from landfills, as well as enabling processors to extract as much value from waste.

Specialist belting and conveying systems

An often neglected area of material handling is moving the material. The moving of waste — especially construction waste — often requires hard wearing specialist solutions. Apex Belting manufactures PVC, rubber and polyurethane conveyor and drive belts. Established in 1982, the company supplies customers all over the world with many styles of belts to satisfy the various demands of recycling and waste processing industries. These include flat belts, molded cleated belts, corrugated sidewalls, waste shredder belts and over band magnet belts.

A transatlantic visitor to the show was Keith Manufacturing Company of Oregon, USA, which is the manufacturer and designer of the patented Keith® Walking Floor® conveying system. This system provides a wide variety of floor designs and possesses unlimited tonnage capacity making it suitable for many applications including as a reception, storage and metering bin for different materials — recyclables, wood waste, aggregate, etc.

Perry of Oakley Ltd have over 70 years of experience in the manufacture and design of belt driers, continuous flow grain driers, chain and flight conveyors, belt and bucket elevators, screw conveyors and augers, square bins and grain cleaners for the drying and handling of most granular bulk materials such as grain, minerals, animal feed, wood waste, pellets, dusts, wood shavings, wood chip, sawdust, pet food and compost to name a few.

A name known to many will be Hewitt Robins International, which has developed a specialty in the supply of vibrating screens, feeders, crushers and foundry equipment for the bulk material handling industry for over 100 years. Now owned by the Tata Group, the company displayed one of its spe-

cialty waste feeders at RWM. They were also keen to discuss how its conveying and belting systems are able to work seamlessly with its multifaceted equipment array.



Toyota Material Handling exhibited some of its material handling equipment and services.

Material handling solutions and equipment

Unsurprisingly, material handling plant solutions and equipment were well represented at RWM. Parnaby Cyclone's stand was well attended throughout the show, as was Lyndex Recycling and German company iFE material handling. Saxlund International also had an impressive stand, outlining their bulk solids handling and storage equipment and services. The company provides bespoke design and construction of material handling systems using flat bottom silos and bunkers, which is combined with comprehensive after-market support — specifically for waste, waste water, recycling, cement and bio-energy industries.

Saxlund's technology is based around flat bottom discharge technology, which has been designed specifically for the handling of difficult materials such as RDF, SRF, waste wood, sludge cake, tire chips and MBM. Saxlund's push floor, sliding frame, hydraulic rotor and TubeFeeder® dischargers are widely used for the storage and reclamation of these bulk materials across the world. Combining these with its own



The patented Keith Walking Floor system provides a wide variety of floor designs and possesses unlimited tonnage capacity.

“walking floor” docking stations, conveying technology and material screening systems, the company is now working on 13 plants in the UK alone.

Toyota Material Handling exhibited some of its material handling equipment and services. This division of the company now acts as a single point of contact for material handling needs. These range from a single truck to large equipment fleets. Specifically shown at RWM were some of Toyota’s comprehensive range forklifts trucks and warehouse equipment.

Whitney Engineering has developed as a leading supplier of forklift and telehandler tipping skips purpose-designed and built for the waste handling industry. One of the most popular items made by the company is its WTS forklift tipping skip and the patented “Teletub” skip for telehandlers — both of which were exhibited at the show. Other companies showing equipment for material handling included JCB, Liebherr and a Finlay screen shown by the UK distributor.

As with material handling equipment, manufacturers of scrap and C&D waste processing equipment and attachments were well represented, although the limited space at the show meant the bulkier equipment could not really be shown to their full advantage. This unfortunately meant that the offering of the companies involved in these areas was often lost in the large floor space.

Magnetic separators

Given the amount of metal often found in concrete and other construction materials — which has been a problem in processing C&D — magnetic separator manufacturers were well represented exhibiting some interesting developments. The exhibitors showed how their various ranges of magnets are designed for the continuous extraction of ferrous metals from a conveyed product stream. The self-cleaning units are designed to work above feed conveyors to lift out ferrous contamination, improving product purity and protection to downstream processing ma-

chinery.

E.P.M.S. was a slightly different exhibitor as it specializes in the repair of rotary drum magnets for many of the major UK shredder and recycling companies. As a result of its experience in this sector, the company now offers a full range of electromagnetic rotary drum magnets of its own design. Sizes range from 1200mm to 2800mm wide, with diameters to suit. Of specific interest was the company’s new range of circular magnets known as the EM range.

Bunting Magnetics Europe, along with its subsidiary Master Magnets, used an interactive magnetic test center for metal separation to enable visitors to see the latest technology in action. Its eddy current separator and stainless steel separator were shown separating a range of sizes and types of metal. In 2017 Bunting acquired Master Magnets and on the Bunting stand were a selection of its over band magnetic solutions. These included the company’s stainless steel magnetic separator which was demonstrated to visitors separating several different materials, including large lumps of fragmented stainless steel from secondary metal recycling plants, and printed circuit boards (PCBs) from electronic recycling operations.

Shredding solutions

Shredders are now seen as the ideal solution for reducing waste to manageable proportions, often as the first stage of the recycling process, with their multi-functionality and ability to process mixed materials making them ideal for waste companies in certain applications. Terex shredders were out in force via Terex’s UK distributor, Molson Plant. Two types of shredder (along with a Finlay 3-way split screen) were exhibited outside the exhibition halls.



Terex shredders were out in force via Terex’s UK distributor, Molson Plant.

Metso Waste Recycling is Metso’s specialist arm for the design and manufacture of shredding equipment aimed at the effective and reliable reduction of various types of waste material. The company states that it now has over 800 shredders worldwide working on materials such as hazardous waste, waste-to-energy, recycling, landfills, cement production and composting. All Metso shredders share certain common features, including exceptionally robust construction, with components being used from internationally recognized suppliers to ensure maximum performance and durability.

Another transatlantic visitor to RWM was Canada’s Shred-Tech. The company’s field of expertise includes, but is not limited to, secure document destruction, cardboard shredding, electronic waste, white goods, wood waste, plastics, tire shredding, metal recycling, medical waste, construction and demolition debris and green waste. All Shred-Tech shredding systems can be configured with application specific knife design, cutting chamber size and horsepower, as well as feed and discharge rates, to suit the customer’s requirements. The company states that through its commitment to exceeding customer expectations it has been able to achieve continued growth, with Shred-Tech being a recent recipient of one of Canada’s prestigious awards for business excellence.

The company has developed a specific reputation for expertise as being the world’s leading document shredder manufacturer, with over 3,000 units being sold worldwide. This now includes a mobile offering as well as its more established static equipment.

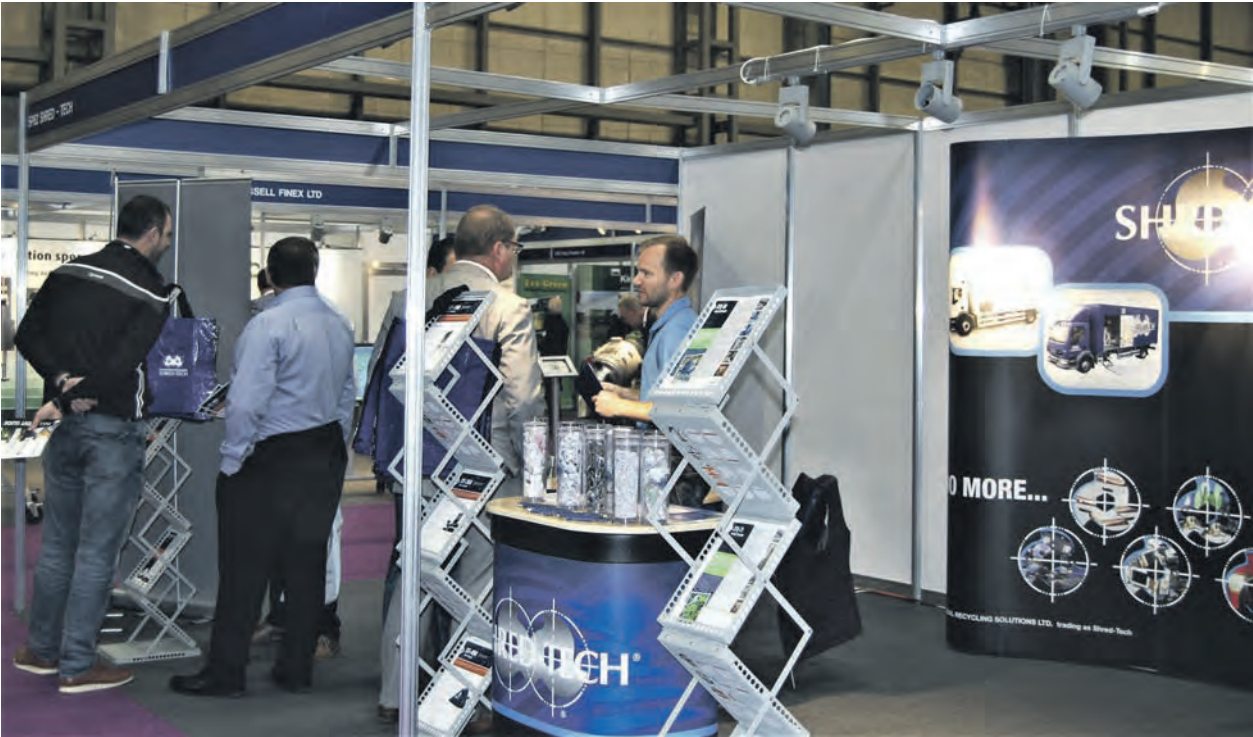
Another manufacturer of shredding systems was the UK’s Donasonic. This company’s offering is based on cutting edge design, technology, manufacture and installation, thereby providing a full range of recycling solutions for a variety of waste materials that need disposal solutions. The shredders manufactured are able to deal with a variety of materials and sizes and operate in primary, secondary or fine capacities. Of specific interest is its Monsoon cable shredder. This is comprised of a high power one shaft cutting mechanism with rotor and stator blades and a purpose designed built-in sieve for the required output material. A touchscreen panel on the control



In 2017 Bunting acquired Master Magnets and on the Bunting stand were a selection of its over band magnetic solutions including their stainless steel separator.



All Shred-Tech shredding systems can be configured with application specific knife design, cutting chamber size, horsepower, and feed and discharge rates.



E.P.M.S. now offers a full range of electromagnetic rotary drum magnets of its own design.



Now owned by the Tata Group, Hewitt Robins displayed one of its specialty waste feeders at RWM.

terminal electronically controls the automatic forward and backward motion for blockages.

At the cutting edge

Shredders are only as good as their teeth and blades and it was interesting to see manufacturers represented. Grinder Max showed a selection of its German manufactured shredder blades. These are produced for a variety of manufacturers of single shaft shredders such as Weima, Vecoplan, Untha, Lindner, Dragon Machinery, etc. Likewise, Fernite of Sheffield is a company specializing in knife blades, with its products being sold worldwide. A. F. Whiteley is Fernite’s granulator blade division, supplying premium quality knives to the plastics and recycling sectors. They offer a fast and reliable regrind service to restore blades back to manufacturer condition. The company is able to match its output to the needs of shredder manufacturers, as it possesses an extensive library of drawings for a wide range of machine makes and models. Thus they are able to supply a range of blades to suit different applications including tough tipped blades which offer enhanced wear resistance and can be used to granulate corrosive material or contaminated feedstocks.

Outside demonstration area

Unlike previous years, the outside demonstration area was not well represented. Molson Plant exhibited Terex shredders, a Finlay screen and a TromALL trommel along with some telehandlers. Of particular interest however was Fog-

maker International AB, which is a producer of fire suppression systems for all types of machinery and engine bays. The company demonstrated its proven fire suppression system that is designed to work independently of a vehicles own power supply in order to ensure that it is ready to perform whatever the situation.

Lectures and debates

As well as exhibitors displaying their services and equipment, a series of lectures and debates were also arranged at RWM. These included a CEO panel, marketing and servicing local authorities and dealing with waste crime. The latter discussed opportunities to develop new ways of working in order to maximize impact, build new partnerships and outline which strategies or campaigns have worked and which ones haven’t in reducing waste crime. Other items of note discussed included plastics, the circular economy, landfill taxes and improving the quality of recycling.

There is certainly a lot to be seen at RWM. The NEC isn’t the perfect location and is vast — but with some planning, the show is well worth a visit especially since the products and services are targeted directly at the waste and recycling industry. With a bit of investigation, attendees are able to discover items of direct interest to their specific business. Any construction or demolition business requiring recycling and/or processing waste would certainly benefit from attending.



Breakers and hydraulic hammers ~ in focus

Montabert recently launched two new heavy rock breakers, the V6000 and the V7000 (pictured), completing the company's range for carriers up to 120 tons.

Generally mounted on excavators or specialist carriers, these increasingly sophisticated pieces of equipment are now essential tools with recent developments from major manufacturers improving efficiency, performance and environmental credentials.



The Rammer Pro 4099 with the new dust suppression system.

Rammer go Pro

Rammer, a name synonymous with demolition and quarrying breakers, has recently launched the Pro Range. New to this range are two hammers: Rammer 2577 PRO and Rammer 5011 PRO. These have been specifically designed to work horizontally and undertake breaking duties in hard rock, being purpose built to withstand high levels of dust. The company states that the Pro Range is as innovative as it is tough, being designed for carriers in the 21-32 and 43-80 ton range, respectively. Both the new Rammer models possess such well-known Rammer features as an idle blow protector that works regardless of working mode to provide greater levels of protection. Additionally they are equipped with long life, high tension VIDAT tie rods for improved reliability, which is said to deliver extended service periods and lower operating costs.

Rammer has also been at the forefront of dust control advances for its range of hydraulic break-

ers and demolition attachments. For hammers, the company has developed a special water jet system which is designed to suppress airborne materials or dust during hammer operation. The Rammer water jet system consists of a hydraulically driven water pump, and specially designed hammer housing equipped with necessary spray nozzles and water supply lines. The hydraulically driven water pump is powered by either the hammer supply circuit or from another high pressure hydraulic source from the carrier. Depending on the installation, the Rammer jet pump is activated by either the operator or automatically in conjunction with the hammer operation.

New from Montabert

Montabert has recently launched two new heavy rock breakers, the V6000 and the V7000, which weigh six and seven tons respectively, completing the company's range for carriers up to 120 tons. These breakers are said to be exciting developments, as three patents have been filed for the two new breakers. The first is related to the hydraulic cushion and piston centering, with the other two being linked to the new variable energy adjustment system, which enables them to adapt striking energy to the hardness of the rock. Other new technology has been incorporated in the design, including a dual lubrication circuit with breakers having been specifically engineered to provide ergonomics and safety



Many modern breakers optimize the hydraulic pressure delivered by the machine, thus improving jobsite productivity and enhancing overall machine performance.

for the operator. Wear parts are easy to change and have been designed with weight limitations in mind. Noise levels have also been reduced to minimum levels, using a soundproofed housing.

Indeco North America launches new fuel saving breaker

Continuing its strategy of identifying, evaluating and delivering new product innovations that provide quantifiable business value to the construction and demolition industries, Indeco North America has recently introduced its latest line of fuel saving hydraulic hammers. The HP Series of FS (fuel saving) hydraulic breakers has been specifically designed to achieve faster breaking results on rock, concrete, coal and frost, proving to be ideal in demolishing city buildings, excavating road tunnels, mining aggregate, removing slag from blast furnaces or performing highway maintenance. It features an upgraded "intelligent" hydraulic system that incorporates fuel saving technology enabling the hammer to automatically adjust the energy and frequency of its blows according to the hardness of the material being demolished. This optimizes the hydraulic pressure delivered by the machine, improving jobsite productivity and enhancing overall machine performance.

High tech from Brokk

Some of the most interesting recent breaker developments have been regarding hydraulic breakers and demolition robots. Brokk has recently updated its range, producing solutions that have proven to be ideal for use where it is often hard or dangerous for human operators to go. One reason for this is as well as traditional applications, the Swedish manufacturer of demolition robots is finding its equipment is suited for tunneling with the robots being mainly used to excavate cross passages between twin tunnels, safety niches, TBM launch chambers and the enlarging of existing tunnels. The wide product range has proven to be particularly suited to working in confined spaces due to their electric operation and small size, which provides users with maneuverability on-site enabling access to the most confined spaces.

An interesting development has seen Brokk introduce its own hydraulic breaker series — the company has in the past relied on Atlas Copco breakers. The range is comprised of a full line up of eight breaker models perfectly matched with its range of demolition robots. The new series starts with the 50 kg light BHB 55 breaker designed to be used with



A Brokk robot working with an Atlas Copco breaker on a tunnel face.

the compact Brokk 60 demolition robot, and goes up to the 700 kg heavy and powerful BHB 705. The latter has been purpose developed for the recently introduced Brokk 500 and Brokk 520D demolition robots.

Further enhancing its offering, Brokk has added three models to its equipment range: B110, B120 (MkII) and the larger, more powerful B280. These new developments possess increased power and productivity, improving performance by approximately 50 percent over the last five years, without sacrificing any reach or versatility. One of the latest models, the Brokk 280 has a reach of 6.2 m and a weight of 3,150 kg and possesses a harder punch from each blow of the breaker and more blows per minute. The manufacturer states this is accomplished without sacrificing any of the compactness and flexibility that Brokk machines are known for.

Another development also found on the Brokk 280 is its all-new electrical system — Brokk SmartPower™. The new intelligent system optimizes the performance of the machine based on factors such as the quality of the power supply and the environmental conditions in which it operates. In addition, the new system is designed specifically to deal with the harshest of working environments.



Like other large series breakers in the FRD line, the Fx225 Qtv also features a square, mono block design.

Furukawa Rock Drill USA introduces hydraulic breakers with new features

Furukawa Rock Drill USA has introduced its latest large series model, the Fx225 Qtv hydraulic breaker, which includes a number of significant developments. The hammer is designed to help improve day to day performance, provide less maintenance and downtime, smoother operation, superior strength and the highest level of reliability. The Fx225 Qtv itself is a 4,250 impact class breaker engineered to operate on 21 to 26.5 ton excavators and now comes with improvements to the internal grease routing in order to provide more direct lubrication to select components, with inline grease fitting for easier access. The relocation of the air inlet for the patented dust intake prevention system allows it to take in air from the top of the breaker, creating a dust free environment for cleaner, more reliable operation.

Like other large series breakers in the FRD line, the Fx225 Qtv also features a square mono block design, eliminating the need for through bolts, improving durability and reducing maintenance. Improved valve design reduces hydraulic fluid temperatures for increased performance, whereas a redesigned piston enhances surface contact to working steel while a larger bushing surface keeps it aligned for greater impact. Additionally, a replaceable cylinder liner increases tool life and reduces time-consuming maintenance.

Furukawa has also launched a new small series breaker — the Fxa Series. The Fx15a/25a/35a Series and the Fx45a/55a Series incorporate design innovations to three internal components: the piston, cylinder liner and seal retainer. The Fx45a and FX55a breakers are configured for numerous mounting options (pin on and quick hitch adaptable) that allow fast and easy change between skid steer loaders and mini excavators. In addition, another new development has been released, being a new mid-size hammer suited for backhoes and mini excavators in the 10 to 15 ton carrier range. With two unique configurations, the Fx125 series is engineered to handle larger and more demanding materials.



Power Techniques RTEX breakers are ideal for light demolition work.

Atlas Copco Power Technique

Atlas Copco recently split its construction business into two distinct companies enabling each to concentrate on specific segments. Power Technique, which is more focused on the “lighter” requirements of the

construction business, has launched a new RTEX handheld pneumatic breaker that has been designed to deliver savings through reduced energy consumption while still achieving high breaking efficiency, with the breaking capacity of a 30 kg+ pneumatic breaker but only using half as much compressed air. Combined with being 25 percent lighter, RTEX is setting new standards for pneumatic technological innovation. Thanks to the invention of a new operating principle known as “Constant Pressure Control,” the RTEX offers a 50 percent reduction in compressed air consumption for the same breaking capacity. This means that a compressor only half the size is needed or two breakers can be used on a compressor which previously powered just one breaker resulting in lower investment costs in the compressor, reduced fuel consumption, easier transportation and lower emissions.



Many breakers, such as Epiroc's SB series, are proving to be essential tools in tunnel projects.

Epiroc develops SB series

Atlas Copco's Epiroc division caters to the “heavier” end of the business including developing and supplying equipment for quarrying, tunneling, demolition and so forth. Its SB hydraulic breakers are said to feature the industry's only integrated water port for dust suppression, which can assist with meeting the requirements of OSHA's final silica rule. Its integrated water channel means that operators can spray water at the source of dust creation to keep levels down. This improves the working environment, enhances visibility and prevents dust from seeping into the bushings. The breakers are also designed to protect operators and equipment by reducing noise and vibration.

The SB series breakers are designed for the 0.7 to 24 ton carrier class and are used in a wide range of applications that include demolition and renovation work, construction projects, tunneling, dredging and pile driving. Mining and quarrying applications range from overburden removal and scaling to primary and selective rock breaking. The breakers are said to combine efficiency and performance with high durability in a compact design. The range includes models to match any micro or mini excavator, backhoe, skid steer loader or demolition robot with service weights ranging from 120 pounds for the SB 52 (the smallest breaker of the SB series) to 2,350 pounds for the SB 1102.

All SB breakers come prepared for compressed air supplies. No modification or additional installations are required. The multifunctional design of the well-protected connection ports assure trouble free operation, ease of service and provide quick access. Side positioned ports reduce risk to hoses and provide easy access for connecting to the compressor, water connection or ContiLube™ II micro lubrication supply lines or for monitoring operating pressure.

Upgrade your grinder with West Salem Machinery

Is it time to look at upgrading your grinder? WSM can help you determine the best solution to optimize your operation. WSM offers the most rugged and reliable horizontal and vertical grinders/hogs available. Our unique pivoting top case allows access to preventative maintenance areas with all infeed components remaining in place. WSM's ballistics infeed chute for our Vertical Grinders is a unique design that helps capture tramp metal and other uncrushables — helping to protect the grinder rotor and reduce maintenance expenses. WSM grinders are available with a wide variety of hammer styles/configurations and sizing screen options, giving you the ability to process varied feedstock and produce multiple products.

You can count on dependable, long term operation and optimal performance in the most demanding applications with all WSM equipment. Grinders, screens and conveying equipment offered as individual components and complete processing systems — all with field-proven reliability with hundreds of long-term installations in the most rugged applications around the world. WSM — tough, reliable and built to last.

Contact the experts at WSM: 866•253•1082, west-salem.com, or info@westsalem.com.



WSM offers the most rugged and reliable horizontal and vertical grinders/hogs available.

Photo courtesy of WSM



Engcon introduces new mini-excavator sorting grab

Engcon recently announced the launch of a new accessory — the SK02 mini sorting grab.

The new device weighs 240 lbs., making it particularly suited for small excavators — under 6,600 lbs. It is available for order immediately in North America. SK02 has a width of 15.7 inches (400 mm) and maximum grab strength of 281 lb./force (5.7 kN).

Like most of Engcon's hydraulic tools, the gate/bracket is attached with screws making it easily adapted to the attachment type of the excavator carrier. The SK02 also has screwed cutting blades, is prepared for digging teeth and can be delivered with sealed/tight sides for use as a clam-shell bucket.

In recent years, Engcon has invested heavily in expanding its accessories inventory and today is one of the major players in the development and production of tools for excavators up to 33 tons.

"We are committed to providing the best, most demanding tools that can be attached to a tiltrotator. Our new sorting grab responds to customers' needs," says Johan Johansson, design engineer at Engcon.

Engcon, has been manufacturing and selling its tiltrotators, quick couplers, control systems and tools for excavators throughout Europe and Australia for 28 years and in North America for 11 years through dealers.

The new device weighs 240 lbs., making it particularly suited for small excavators — under 6,600 lbs.

Photo courtesy of Engcon

No better machine for one-step shredding

"If you don't recycle, we do it for you," is the motto of Wheeldon Brothers Ltd. This waste management company in Manchester/UK produces solid recovered fuels too. This is where a particular shredder with high output comes in: the Polaris 2800 one-step shredder from Lindner-Recyclingtech. 'There is no better and more efficient machine for one-step shredding,' says Wheeldon.

Manchester is one of the most attractive regions in the UK and one of the strongest economically thanks not only to celebrated football clubs, but also to the city's culture and lifestyle. The metropolis in the north west of England with its population of approximately 520,000 does not have to hide behind London. Many theatres and cabarets, galleries and museums in the city, which was once the center of the British textile industry and today employs most people in the service sector, bear witness to this.



James Wheeldon invested in the future of his waste disposal company with the Polaris 2800 from Lindner.

Photos courtesy of Lindner ©

The waste management sector is developing very dynamically. In 2009, for example, the local Greater Manchester Waste Disposal Authority initiated a £640 million investment program to extensively modernize waste management in the Greater Manchester area by 2015: the creation and expansion of collection and disposal structures as well as recycling capacities — which also created new jobs. Nine years ago there were 25 recycling centers; today there are more than 40 materials and thermal recovery facilities in operation, including five new mechanical biological waste treatment plants (MBT) generating energy (combined heat and power). 'Waste to Energy' has become an important industry and market in the UK.

From A to Z –

the company's philosophy in a nutshell

Wheeldon Brothers Waste Ltd., which has sites in Bury (headquarters), Oldham, Failsworth and Ramsbottom, is a leading local waste management company. 'If you don't recycle, we do it for you' is this family business's motto. The business also specializes in the disposal of hazardous waste in the Greater Manchester area. Almost all material collected by the municipal authorities is recycled: plastics, glass, paper, wood, bulky waste, tires, computers, televisions, flat screens, e-waste, electrical goods (white goods), oils and other liquids and last but not least, metals from A for aluminum to Z for zinc.

"Recycling takes priority," says Managing Director James Wheeldon, summarizing the company's philosophy, which is committed to climate, environmental and resource protection. "Our recycling rate is over 90 percent. Only materials that really cannot be recycled, or where recycling would entail a high loss of quality, i.e. downcycling, are turned into solid recovered fuel." The SRF business has grown

in recent years. At the Ramsbottom site Wheeldon operates a modern waste-to-energy plant. Waste for SRF production travels through picking lines at the Bury, Oldham and Failsworth materials recycling facilities, where dry recyclable products, i.e. card, paper, wood, plastics, metal, etc., are removed.

50 millimeters –

and expectations more than satisfied

What the waste-to-energy plant in Ramsbottom lacked was a powerful yet energy-efficient 50mm shredding solution. Different competitor machines in comparison could not satisfy this criterion. Contacting Lindner was the key to success in the search for the perfect shredder for SRF production. The new Polaris 2800 one-step, stationary shredder replaced two other shredders in the plant and immediately

satisfied the Wheeldon Brothers' requirements.

James Wheeldon is more than satisfied with the machine and has also had the best experience with Lindner in terms of operability, troubleshooting, maintenance, service and technical support: "The machine shreds all feed material in just one pass. We save ourselves the secondary shredding and therefore reduce effort and costs. The Polaris 2800 works very reliably and economically and we achieve more homogeneous materials as a result. Lindner exceeded our expectations," the managing director added.

The Polaris 2800 one-step shredder from Lindner easily handles 20 tons of material per hour at Wheeldon Brothers. Wheeldon was particularly impressed by the hydraulic maintenance door for quick and



COMMONWEALTH EQUIPMENT

The source for ALL your portable crushing and screening needs.

All Equipment Subject to Availability.

<p>Click Here For More Details</p>  <p>2016 McCLOSKEY 36x80 Wheeled Conveyor, 1,107 hrs. Stk #MCC115, Variety of conveyors available, including new!</p>	<p>Click Here For More Details</p>  <p>McCLOSKEY TELESCOPING STACKERS SDX 36x130 pictured Available in variety of sizes! Call for details.</p>	<p>Click Here For More Details</p>  <p>POWERSCREEN M65 HYDRAULIC CONVEYOR Stk #CE255</p>
<p>Click Here For More Details</p>  <p>TELSMITH 48" Fine Wheeled Cone Crusher Stk #CE306</p>	<p>Click Here For More Details</p>  <p>2017 McCLOSKEY with Cemco Turbo 80 VSI Impact Crusher. Stk #MCC374</p>	<p>Click Here For More Details</p>  <p>2017 McCLOSKEY R155 Scalping Screen, 1,035 hrs., Stk #MCC318</p>
<p>Click Here For More Details</p>  <p>2015 McCLOSKEY 144 Impact Crusher, 3,744 hrs., Stk #MCC320</p>	<p>Click Here For More Details</p>  <p>2015 McCLOSKEY J45 Jaw Crusher w/Prescreen 3,141 hrs., Stk #MCC149</p>	<p>Click Here For More Details</p>  <p>2012 McCLOSKEY J44 Jaw Crusher, 5,690 hrs., Stk #MCC147</p>



Toll-Free 877-217-4474

commonwealthequipment.com



Cat® B-Prefix hammers feature low owning and operating costs, versatility, ease of use

Cat® B-Prefix hydraulic hammers, available in B4(s) and B6(s) silenced and B4 and B6 non-silenced versions, are designed for “plug-and-play” operation with a range of compact equipment — while delivering optimum life-cycle value. The new hammers are suited for skid steer loaders, multi-terrain loaders, compact track loaders, mini hydraulic excavators (3- to 8-ton operating weights), and backhoe loaders working in a range of construction and light-demolition applications, including site prep, landscaping, masonry, and concrete breaking. The B-Prefix hammers use a simple design that ensures reliability, versatility, ease-of-use and maintenance. As a package solution, the matching Caterpillar-designed hydraulic kits are also offered and the best fit for Cat machines providing customers a breaker package with superior design and benefits.

Quality engineered

- Simple, reliable industry-standard modular design with two moving parts in the piston and valve
- Flat-top mounting enables compact working envelope and compatibility with a full complement of brackets to suit preference of coupler, linkage kinematics, or machine size
- Bushings are field-replaceable and lower bushing can be rotated 90 degrees for improved wear performance
- Included toolbox contains charging kit, hammer paste and spare parts
- Housings are designed to facilitate common maintenance items. Grease fitting and gas pressure check point are easily accessed with hammer on machine
- Gas-fired operation cycle delivers consistent, long-term high production

Major components

- Cylinder, back-head, front-head, piston and tool are manufactured with high quality materials and processes

easy removal of non-shreddables. The shredder only stops for a few minutes while this is done. Downstream over-belt magnets then separate the remaining ferrous and non-ferrous metal parts in the throughput, which are ultimately sent for mechanical recycling. The end product is medium-calorific SRF that Wheeldon mainly sells to cement works, where it is used for energy generation.

One-step shredding — one machine for everything, thanks to the countershaft drive and newly developed cutting system. There is no need for secondary shredding with high throughput combined with low energy consumption, resistance to non-shreddables and like all shredders from Lindner, robust design. Wheeldon invested in the future of his waste disposal company with the Polaris 2800 from Lindner. “There is no better and more cost-efficient machine for one-step shredding.”



Convenient feeding of the Polaris 2800 with the wheel loader.

- Heavy-duty housing construction protects against breakage and wear
 - Piston transfers long shock waves into material; piston diameters are matched for maximum energy transfer; piston design and surface finish provide superior oil retention and seal life
 - Inward type oil control valve has high structural integrity and low failure rate
 - Interchangeability between H-prefix and B-prefix models
- Tool types for the new hammers includemoil, cone, parallel and transverse chisel and blunt, allowing the hammer to be adapted to an extensive range of applications.
- To view the top-mount product specs, visit their website .



Cat® B-Prefix hydraulic hammers are designed for “plug-and-play” operation with a range of compact equipment.

Photos courtesy of CAT



The new hammers are suited for skid steer loaders, multi-terrain loaders, compact track loaders, mini hydraulic excavators (3- to 8-ton operating weights) and backhoe loaders.

Bandit Builds Your Bottom Line.



You Deserve the Best.

From our most compact stump grinders and hand-fed chippers through our largest whole tree chippers and The Beast® recyclers, Bandit® equipment is built to make you money.

We reduce your costs by maximizing fuel efficiency and reducing downtime. And we increase your income by producing the highest quality end product for your market.

Bandit builds the best hand-fed chippers, stump grinders, whole tree chippers, The Beast recyclers, track carriers and skid steer attachments in the industry. And equally as important... Bandit Builds Your Bottom Line.



Bandit
INDUSTRIES, INC.

www.banditchippers.com | 1.800.952.0178 | Remus, MI - USA

VISIT YOUR NEAREST AUTHORIZED DEALER LOCATION

CLEAVES CO. INC.

300 Reservoir St.
Needham, MA 02494
781-449-0833

lenny.cleaves@cleavesco.com
www.cleavesco.com

ROBERT H. FINKE & SONS INC.

1569 U.S. Rt 9W
Selkirk, NY 12158
518-767-9331

dfiacco@finkeequipment.com
www.finkeequipment.com

BOBCAT OF SARATOGA

1279 Rt 9
Gansevoort, NY 12831
518-798-9283

dfiacco@finkeequipment.com
www.bobcatofsaratoga.com

Rent vs. buy: attachment edition

The decision to rent or purchase attachments and other ancillary equipment shares many of the same financial considerations and there are several factors that help a business owner determine whether it makes more sense to rent or purchase attachments.

There is no right answer that will work for every business owner. Each individual should look at factors such as cash flow, taxes and estimated utilization rates, as well as associated costs like maintenance, depreciation and resale values. Additional factors include the size of the operation and the types of jobs and applications in which the attachment will be used.

If an attachment is used for a specific task for a one-time-only job, it makes more sense to rent. But if an attachment can be utilized on multiple jobsites, will expand the services a company is able to offer and be profitable throughout the growth of the business — or even replace an entire other machine — then purchasing/financing the attachment makes sense. It ultimately depends on a contractor's cash flow, the size of the business and long-term strategic growth plans.

The benefits of rental

There are a variety of benefits to renting attachments. Renting allows business owners to pass the rental costs on to the job and places owning and operating costs in the hands of the dealer or rental house. Renting also limits long-term storage and transportation costs.

Another advantage is that rental houses often have the latest attachments available to rent, so it can be a good way for contractors to try out the latest equipment or technology before making a purchase decision.

While rental has some real benefits, depending on the situation, it is important to understand that rental agreements can also come with limitations. Rental agreements often have hour caps and the payments may be considerably higher than a finance payment. Business owners should also be aware of competitive rental rates within their region of operation to ensure they're getting the best deal.

The benefits of ownership/financing

Purchasing an attachment can offer a variety of advantages. Ownership typically offers the highest degree of flexibility — the owner is ultimately in control of all aspects of total cost of ownership (TCO). The owner/fleet manager will be in charge of maintaining the attachment to ensure maximum uptime and resale value. Another benefit of purchasing attachments is that operators become more familiar with them over time, which can improve productivity.



Another consideration is that while down payments can tie up capital or lines of credit, the monthly payments can be lower than rental payments. Business owners can also talk with their dealers about deferred payments, skip payments, package deals or rent-to-own plans that best optimize new purchases with peak cash flow and seasonal work.

When does it make sense to rent?

Put simply, rental is a great option for short-term projects. In a situation where a contractor sees a long-term benefit to a piece of rental equipment, they can discuss rent-to-own options with their dealer.

Business owners should apply the 80/20 rule: If an attachment will be used 80 percent of the time in their core business, it should be purchased. If not, it should be rented. It comes down to utilization. If just 20 percent of what a business does is related to a certain type of job or task, then they should avoid buying those attachments and rent them instead. Business owners need to look at the versatility of the attachment and what they plan to use it for.

Rental is a great option for businesses looking to fill short-term equipment needs without the added worry of ownership costs such as maintenance, storage, etc. — which are all carried by the dealer/rental house in a rental situation.

When does it make sense to buy?

Applying that 80/20 rule once again: If an attachment will be used 80 percent of the time in a contractor's core business, it should be purchased. As an example, job-after-job cleanup around construction sites may warrant the purchasing of a bucket or grapple. Or if a business owner finds themselves renting an auger every week or two, that could warrant the purchase of an auger. It all depends on the needs of the business.

It is important to understand attachment utilization and long-term business plans when making the decision to buy or rent a specific ancillary component. If a project is outside of an equipment owner's usual scope and is considered a one-time job, then renting an attachment for that specific job saves time and money. However, if an attachment can expand a contractor's business and provide growth opportunities, it makes more sense to make the investment. Contractors should also consider the added versatility of multifunctional attachments — 4-in-1 buckets, etc. — that can increase efficiencies and help grow their capabilities in other ways.

The bottom line is that any type of fleet-expansion decision requires careful consideration and planning — and investing in attachments or other ancillary components is no different. If selected properly, attachments provide greater versatility and profitability. When evaluating attachments and other ancillary systems that can meet project needs or help grow and expand a business, equipment owners should focus on tools that provide the best return on their investment and enhance the productivity of their operation over time.



John Deere adds stump shredder to Worksite Pro™ attachments lineup

MOLINE, IL — John Deere continues to expand its Worksite Pro™ attachments lineup with the addition of the SS30 model stump shredder. Ideal for landscaping and construction job sites, the new shredder removes stumps from eight inches (203 mm) to 28 inches (711 mm) in one pass. Larger stumps are easily removed with multiple bores. The stump shredder is optimized for the new mid- and large-frame G-Series skid steers (320G, 324G, 330G

and 332G) and mid- and large-frame G-Series compact track loaders (325G, 331G and 333G).

“Our shredder was engineered to be a powerful, indispensable tool for tree stump removal,” said Jessica Hill, global program manager, attachments. “It’s a unique offering to the market that was created to keep operators safer and more productive.”

The stump shredder is designed with a low-speed, high-torque auger planetary drive that shreds

tree stumps with reduced incidence of high-speed flying debris when compared to conventional stump grinders. Despite its slower operating speeds, stump removal is also faster than conventional grinders. Site cleanup is easy thanks to the small, contained chip pile produced by the attachment.

For superior ease of operation, the shredder’s hardened pilot cone draws the auger into the stump while 0.75 inch (19 mm)-thick, AR500 steel blades efficiently cut the stump. With the SS30 model, operators can bore up to 20 inches (508 mm) into the ground to remove stump feeder roots.

The stump shredder was also built to provide customers with cost and time savings. Carbide tool replacement parts are not needed for the attachment and maintenance is only required every 1,000 stumps, yielding lower operating costs and maximum uptime.

The new stump shredder attachment is backed by John Deere parts, service and warranty coverage. To learn more, visit their [website](#) or contact your local John Deere dealer.



Ideal for landscaping and construction job sites, the new shredder removes stumps from 8 inches to 28 inches in one pass.

Photos courtesy of John Deere



The stump shredder is designed with a low-speed, high-torque auger planetary drive.

Two college students receive Young Investigator Scholarships

RESTON, VA — The Board of Trustees of the Com-posting Council Research & Education Foundation (CCREF) recently awarded two college students Young Investigator Scholarships to encourage their compost-related research. The purpose of this schol-

arship program is to bring assistance and attention to emerging young professionals in the field of compost research and to spark interest in the future of the composting industry.

“We had many interesting and worthwhile applications but these two projects stood out from the rest,” said Ginny Black, CCREF Trustee Chair.

Donald De Alwis an undergraduate at the University of Maryland, College Park, received his scholarship to assist with his project, which is focused on the use of locally sourced compost to facilitate hydric soil conditions in wetland restoration. He will use cow manure and Bloom, a biosolid produced by a local water utility company, at three different cure times. Through a soil microcosm experiment, he will analyze ferrous iron and methane production with the intention of determining which soil amendment and cure time maximizes microbial activity while reducing greenhouse gas production. The results of the experiment will determine the feasibility of a novel use for compost and will inform restoration practices for Maryland’s vast wetland ecosystems.

The second student awarded a scholarship is Sally Landefeld who is pursuing a PhD in Civil and Environmental Engineering at the University of Washington. Landefeld’s research aims to characterize the relationship between soil health and plant health: Does healthier soil grow healthier food? This project is looking at common garden crops grown in four types of soil amendments: composted biosolids from Pierce County (TAGRO), composted biosolids from King County (GroCo), vermicompost, and bokashi. These soils will be tested for a suite of chemical, physical and biological properties to characterize the soil health and crops are undergoing analysis for macronutrients, micronutrients, vitamins and phytonutrients that act as potent antioxidants.

Landefeld is hoping that her project may help “close the loop” on urban waste, provide fertile soil to local urban gardens and sequester carbon in the form of soil organic matter.



Donald De Alwis is an undergraduate at the University of Maryland, College Park.

Photos courtesy of CCREF



Sally Landefeld is pursuing a PhD in Civil and Environmental Engineering at the University of Washington.

Bandit celebrates 35th anniversary with dealers, customers and community

More than 350 dealers, customers and special guests descended upon Bandit Industries' world headquarters in mid-Michigan on Sept. 12, to celebrate 35 years of continued success and to check out what's in store for the coming years.

That celebration included tours of Bandit's facilities, a behind-the-scenes look at the process of

building the most powerful wood processing equipment in the industry and capped off with a demonstration of more than two dozens machines — including brand new, never before seen machines.

"We couldn't properly celebrate 35 years without our dealers who are committed to providing the best support and our amazing

customers who have stood with us over the years," said Bandit Sales Manager Jason Morey. "But Bandit Industries is a success because of the hardworking men and women who show up every day to build these machines."

After the special Bandit guests had gone home, Bandit opened its doors to the mid-Michigan community for an open house on Sept. 15. Nearly 800 guests dropped by for machine demonstrations, plant tours, food and fun.

Bandit Industries has had an amazing 35 years, with new and exciting opportunities for the future. With the recent announcement of the company going employee-owned, excitement is at an all-time high for Bandit employees and the community.

Learn more about Bandit Industries by visiting www.banditchippers.com.



After the dealers and customers had gone home, Bandit opened its doors to the mid-Michigan community for an open house on Sept. 15.

Photos courtesy of Bandit

Bandit celebrated 35 years with customers, dealers and the community.



The celebration included tours of Bandit's facilities, a behind-the-scenes look at the building process a demonstration of more than two dozens machines.



During the open house, The Beast was grinding and coloring mulch.



A TEREX BRAND



Aggcorp Equipment Systems

22800 Lakeland Blvd., Euclid OH 44132

216-732-8992

info@aggcorp.net,

smcivor@aggcorp.net

www.aggcorp.net



Emerald Equipment Systems

7600 Morgan Rd., Liverpool NY 13090

315-437-1977

sales@emeraldscreening.com

www.emeraldscreening.com

POWERSCREEN CRUSHING & SCREENING

Powerscreen Crushing & Screening LLC

11901 Westport Rd., Louisville KY 40245

502-320-9300

justin@powerscreensales.com

www.powerscreensales.com



Powerscreen of Florida, Inc

5125 North Frontage Rd., Lakeland FL 33810

863-687-7153

sales@powerscreenfla.com

www.powerscreenfla.com



Powerscreen Mid-Atlantic Inc

715 Indeneer Dr, Kernersville NC 27284

(800) PWR-SCRN

sales@powerscreenmidatl.com

www.powerscreenmidatl.com



COMPACT WITH IMPACT




**IDEAL FOR
URBAN USE**
COMPACT


**QUICK
SETUP TIME**
EASE OF USE


**WIDENING
MATERIAL PATH**
OPTIMAL MATERIAL FLOW

For more information please contact us
Tel: +1 502 736 5233 **Email:** evoquip@terex.com

© 2018 Terex Corporation. All rights reserved. Terex, the Terex Crown logo and Works For You are trademarks of Terex Corporation or its subsidiaries.



terex.com/EvoQuip



DOOSAN
STRENGTH
WINS EVERY TIME

We have the strength you need to conquer every job.

Visit us today to learn more:



Major League Baseball trademarks and copyrights are used with permission of Major League Baseball Properties, Inc. Visit MLB.com
Doosan® and the Doosan logo are registered trademarks of Doosan Corp. in the United States and various other countries around the world.
©2018 Doosan Infracore North America, LLC. All rights reserved.

KINSHOFER Multi-Quick Processors offers versatility and industry-leading jaw change-out times

SANBORN, NY — KINSHOFER, a global manufacturer of high-quality excavator and loader crane attachments, offers its Multi-Quick Processors (MQP),

featuring best-in-class cycle times, power, jaw change-out times and power-to-weight ratio. The attachments allow demolition and recycling industry

contractors to use one attachment with several jaw sets instead of buying several tools for different applications. Contractors can choose from six to eight

THE ALLROUND MATERIAL HANDLER FOR INDUSTRIAL RECYCLING

Compact, maneuverable, powerful.

- Engine optimized towards performance and fuel efficiency
- Super sensitive load limit control
- Solid steel structure and special kinematics
- Joystick steering and reversing fan as standard

www.terex-fuchs.com



PENN JERSEY MACHINERY LLC

120 Gordon Drive, LIONVILLE, PA 19341
610-363-9200 • Fax: 610-594-0829

847 State Route 12, FRENCHTOWN, NJ 08825
908-824-4200 • Fax: 908-237-1504

1330 Hurffville Rd., DEPTFORD, NJ 08096
856-227-6400 • Fax: 856-227-0046



4805 Scooby Lane, Carrol, OH 43112
1-866-262-4181 • 740-654-5304 • Fax 740-687-9130

4510 East 71st Street, Cleveland, OH 44105
1-866-262-4181 • 440-439-4567 • Fax 440-439-1789

920 Deneen Ave, Monroe, OH 45050
1-866-262-4181 • 513-649-8105

6325 Central Avenue Pike, Knoxville, TN 37912
865-766-2571 • 865-766-2815

11301 Reames Road, Charlotte, NC 28269
980-859-4680 • Fax 704-921-9649

125 Wilsons Mills Rd. Ext., Smithfield, NC 27577
1-855-Kobelco

2636 S. Black Horse Pike, Williamstown, NJ 08094
1-866-262-4181 • 856-404-9675 • Fax 856-404-9682

3729 N. Frontage Road, Lakeland, FL 33810
863-937-6829 • Fax 863-937-6859

141 Brickyard Road, Lexington, SC 29072
803-520-0032 • Fax 803-520-7469



160 Warren Avenue, WESTBROOK, ME 04092
207-854-8411
BANGOR, ME
207-942-4838
CARIBOU, ME
207-498-2547
CONCORD, NH
603-224-4063
CHELMSFORD, MA
978-256-9571



FUCHS
A TEREX BRAND

WORKS FOR YOU.

© 2017 Terex Corporation. Fuchs and Works For You are trademarks owned by Terex Corporation or its subsidiaries.

jaw sets, depending on which of the four MQP models they choose, including dedicated concrete, steel or tank jaws, as well as combination and specialty jaws.

"We know that by enabling contractors to complete more jobs with fewer pieces of equipment, we boost their profitability and expand their businesses," said Francois Martin, KINSHOFER North America general manager. "The KINSHOFER Multi-Quick processor is the ultimate tool to do just that. Like all of our products, the processor helps customers do more with less."

KINSHOFER's MQP features the company's DemaPower™ cylinder technology. The cylinder uses four chambers instead of two found, resulting in 20 percent more surface area within the cylinder. That allows the MQP to exert up to 25 percent more pow-

er from a smaller attachment, resulting in the best power-to-weight ratio in its size class. This means, for example, that a section of concrete that may take a competitive attachment five or six "bites" to break through only takes the KINSHOFER MQP one or two. Higher power in a smaller tool also improves efficiency and performance in high-reach demolition, a practice that's becoming more common in the U.S. This is both because contractors can use a smaller carrier with a higher-powered attachment and because the attachment's light weight and superior cylinder technology improves fuel efficiency while the excavator arm is fully extended.

KINSHOFER 22



With the attachment's fast cycle times and high power, contractors can complete jobs as much as 20 percent faster, improving ROI.



KINSHOFER offers its Multi-Quick Processors (MQP), featuring best-in-class cycle times, power, jaw change-out times and power-to-weight ratio.

Photos courtesy of KINSHOFER



Stocking Equipment Dealer
Yemassee, SC 29902
843-525-6140
sales@sandscience.com
www.sandscience.com



61 Silva Lane, Dracut, MA 01826
978-454-3320
gilda@equimenteast.com
www.equimenteast.com

1474 Route 3A, Bow, NH 03304
603-410-5540



1772 Corn Rd., Smyrna, GA 30080
770-433-2670
sales@grindercrusherscreen.com
grindercrusherscreen.com



2351 Woodcrest Drive, Winter Park, FL 32792
407-468-6437
diversifiedecological@gmail.com
diversifiedecological.com

Ed's Equipment, Inc.
4567 East 71st, Cleveland, OH 44105
330-620-9993
ed@edsequimentinc.com

Keestrack USA Parts
Phone: +1 940-482-4004
Mob: +1 940-600-2034
Fax: +1 940-482-3005

Performance in every detail



Mobile crushing & screening
24/7 Remote monitoring
Fuel efficient & hybrid systems
Minimum cost of ownership

2- or 3-way split position possible

Load sensing hydraulic system reduces fuel usage by 25%

User friendly RELYTEC control panel

Green power electric drive available

Steel hydraulic piping, longer lifetime, better performance and easier to repair

Superior level of surface treatment

HB 450 steel hopper and HB 500 wear plates

Unrivalled crusher geometry

Hydraulic height adjustable magnet

Steel hydraulic piping, longer lifetime, better performance and easier to repair

User friendly RELYTEC control panel

Superior level of surface treatment

Compact, easy one piece transport

Contact your nearest Keestrack dealer for more details



www.keestrack.com



Construction Equipment MARKETPLACE



Reaching **5,600** New York contractors & **15,000** New York farmers every month in print!

PLUS an additional **33,000** construction contractors digitally through our E-Mag, *ROAD*.



USED EQUIPMENT

NEW EQUIPMENT

CONSTRUCTION SUPPLIES

CONSTRUCTION SERVICES

Construction Equipment Marketplace

hits mailboxes the last Monday of every month (*the same ad will come out the first of the following month in ROAD*).

Deadline is the Wednesday prior to each Monday's publish date.

Advertise your products and services in two quality markets across both print & digital platforms with one representation.

Call your representative today, or contact Matt Stanley at
800-218-5586 • mstanley@leepub.com

countryfolks.com

rockroadrecycle.com

yoder & frey

HEAVY EQUIPMENT AUCTIONS



268 East 4th Street
Ashland, OH 44805
License Number: C003078
T. +1 419.309.6500



ASHLAND, OH

December 6th @ 8.30am

CONSIGN YOUR EQUIPMENT NOW!

**DO NOT MISS
THIS CHANCE**

Expose your underutilized machines to a vibrant and growing US marketplace of eager buyers and turn your machinery into **CASH** - it's as simple as that!



2013 Komatsu
PC360LC-10 - choice



2012 Volvo EC380DL



Unused CAT 308E2CR
- choice



2012 Case 850L



Unused CAT 906M



Unused Case 321F



Unused Case SR130
- choice



Unused CAT CB2.7
- choice

View our full inventory online: www.yoderandfrey.com

CALL NOW TO CONSIGN YOUR EQUIPMENT:

Kevin Teets +1 304.266.2955

Peter Clark +1 419.356.4612

Daryl Houle +1 603.856.1689

Kevin Pittman +1 419.654.5462

Joe Thurston +1 407.388.4888

Steve Watson +1 678.414.4110

Composting Council launches second professional certification

RESTON, VA — The US Composting Council's Certification Commission is introducing a new credential designed for industry professionals who are experts in the field of compost manufacturing and facility management.

The new certification is called the Certified Compost Professional (CCP™). This differs from the USCC's Certified Compost Operations Manager (CCOM™) designation because CCP holders do not need to be working at a facility to earn this certification.

"This certification is a great fit for consultants, equipment representatives, educators and even regulators," said Cary Oshins, director of certification for the USCC. "Especially for those marketing products or services to compost manufacturers, the CCP gives these professionals a competitive edge."

"This is a great next step for the Commission and for our Industry," explained Matt Cotton, of Integrated Waste Management Consulting, the newest member of the Certification

Commission. "It made sense to start with the CCOM — geared to the on-site Operations Manager. But there are folks who are just as knowledgeable and couldn't qualify, because they didn't work at a facility. Since they provide important services to the facilities, this is a way to demonstrate their deep technical knowledge of compost facility management to help the industry succeed."

"Composting is a dynamic and fast-growing industry," continued Cot-

ton. "It's not enough to just do your job, you need to be thinking of the larger composting (and processing) industry. The CCP and the CCOM raise the level of knowledge and professionalism within the industry, making the entire industry more sustainable, more efficient and more profitable."

Both certifications are now fully available. Applications, prerequisites, test information, fees and other details can be found by visiting the Commission's certification website.

KINSHOFER from 18

KINSHOFER's double acting speed valves and innovative cylinder technology also gives the MQP superior jaw closing and opening speed — cycle times as fast as 5 seconds. Competitive models use a single-acting speed valve that allows only for a fast opening speed or closing speed, not both. With the attachment's fast cycle times and high power, contractors can complete jobs as much as 20 percent faster, improving ROI.

Contractors can change KINSHOFER MQP jaws faster, easier and more safely than competitive models thanks to the company's DemaLink™ system. Operators only need to manually remove one pin from the attachment during change-out, compared to three with many competitors. The other two pins are removed hydraulically from the safety of the cab. This not only removes the hassle of pounding out three pins, but also virtually eliminates the danger of the jaw falling and injuring a worker after the last pin is removed. In addition, DemaLink allows two people, or a single skilled operator, to switch out jaws in minutes and get back to work quickly.

KINSHOFER's jaw offerings include the Combi jaw for primary demolition and a mixture of concrete and steel; the Demolition jaw for primary demolition of heavy concrete structures; the Pulverizer jaw for primary or secondary demolition, pulverizing concrete during or after the job, as well as some steel cutting; the Steel jaw for primary and secondary demolition of steel structures and scrap; the Tank Shear jaw for primary and secondary demolition, including demolition of tanks and cutting steel plates; and the Universal jaw for primary and secondary demolition of concrete decks.

The MQP Steel and Combi jaws feature the company's DemaGuide™ system, which uses a guide plate to provide additional stability at the pivot point. The extra stability means greater cutting efficiency and precision. The cylinder also features a trunnion design, ensuring compactness, a better center of gravity and an optimal closing force curve. Once the shims show signs of wear, maintenance crews can adjust the jaw tolerance by simply tightening the main pin. The shims are replaceable in a few simple steps, including loosening the main pin nut, taking the main pin out and removing the jaw. This design also reduces the need for contractors to buy additional bushings and pins because the components can be re-used when replacing the shims, where operations using other manufacturers' multi-quick processors have to torch out the pin and replace both pin and bushing.

KINSHOFER reinforces the MQP with twin rotation motors. This boosts rotation power and reduces the risk of the attachment shifting or rotating on its own, causing potentially dangerous situations. The MQP also includes a safety system that reduces the risk of dangerously high pressures within the rod cylinder.

To reduce replacement costs and service downtime, KINSHOFER manufactures all wear parts for easy onsite replacements and exchanges across jaw types. In addition to offering exchangeable cutting edges, an industry standard, KINSHOFER features crusher attachment teeth that can be quickly replaced on site. Competitive units often require putting the attachment on a truck and taking it to a shop for teeth replacement, which can take four to five days. The teeth are also highly robust, especially compared to competitive exchangeable teeth. This ease of replacement combined with KINSHOFER's performance-enhancing features delivers a low cost of ownership and fast ROI. Additionally, the company designs the tool's oil distributor to include an extra channel to allow for water spray or grease systems.

The KINSHOFER MQP also includes features to prevent carrier damage in the event of a rotation motor breaking. Engineers designed the tool with rotation circuit filters to catch small pieces of metal that can break off rotation motors and travel through the lines into the valve and then the tank, a problem that can cause \$10,000 to \$20,000 in damage.

In addition to jaws focused on demolition and recycling applications, KINSHOFER offers a specialty MQP-Wood jaw for quickly and safely cutting down trees in forestry applications. The manufacturer is also developing an MQP-Extreme jaw for heavily reinforced or thick concrete. The jaw features additional ripper tools for better concrete penetration. The MQP-E boasts higher closing force than any other multi-quick processor jaw in the world.

The KINSHOFER MQP is suitable for 18- to 65-ton carriers.



North American Attachments

800-380-8808

www.excavator-attachments.com

Grapples



ADVERTISE IN RockRoadRecycle.com



YOUR DYNAMIC NEWS RESOURCE FOR THE AGGREGATE,
HEAVY CONSTRUCTION AND RECYCLING INDUSTRIES.

Log in to rockroadrecycle.com for
a **FREE** subscription.

DECEMBER - Editorial Focus

Land Clearing Equipment/Chippers, Grinders,
Screens, Stump Grinders
Deadline 11/7/18

JANUARY - Editorial Focus

Composting Equipment - Grinders, Screens, Turners
SHOW: US Composting Council Jan 28-31 Glendale/Phoenix, AZ
Deadline 12/20/18

FEBRUARY - Editorial Focus

Shingle Grinders/Asphalt Recycling/Wear
Parts Deadline 1/17/19



**ADVERTISE YOUR
EQUIPMENT & SERVICES**

**INSERT YOUR BROCHURE
IN OUR DIGITAL PUBLICATION**

POST YOUR VIDEOS

PROMOTE YOUR AUCTION

1-800-218-5586
info@rockroadrecycle.com

Morbark® debuts new equipment at demo days event



The Morbark 40/36 Whole Tree Drum Chipper is a compact, affordable, productive drum chipper designed with the biomass industry in mind.

Photos courtesy of Morbark®

Morbark's Demo Days event always brings a great deal of excitement to the area and its guests — and this year was no exception. From Sept. 26-28, more than 250 guests within the forestry, biomass, recycling, sawmill and tree care industries from 14 countries were welcomed to Morbark for its 12th Demo Days event.

Morbark has a world-class dealer network and the company's Demo Days give their customers and other attendees the opportunity to not only watch the equipment in action but to also meet the people who build and support the equipment as they tour the manufacturing facility. Events included factory tours, networking opportunities, vendor booths and a chance to see the equipment up close.

But perhaps the most exciting aspect of this year's event was the introduction of the new 23X Chiparvestor®. "In designing the 23X Chiparvestor whole tree disc chipper, Morbark followed the same thought process and ideals as we did in creating the other X-series of next-generation Morbark equipment," said Michael Stanton, Morbark director of industrial sales. "We took our previous proven design technology and focused on minimizing downtime, increasing production and making improvements that will help contribute to customer success."

Morbark has been producing mobile whole tree disc chippers since the 1970s, and like the previous Model 23 Chiparvestors, the 23X uses a 75" (190.5 cm) diameter x 5" (12.7 cm) thick chipper disc to chip large volumes of wood, while the built-in dirt separator with deflector keeps the end product clean.



The Morbark Model 23 Chiparvestor® whole tree chippers are built to last.



Replaceable one-piece anvil and tub floor wear plates make maintenance easy on the 1300B tub grinder and they reduce downtime.

Left: Participants were able to see a demonstration of Rayco forestry mulchers and also had an opportunity to operate the equipment.



Equipped with the same internal drive perfected on Morbark horizontal grinders, the 40/36 aggressively feeds brushy tops and limbs, quickly and effortlessly filling a chip van to maximum legal load capacity.



The Model 23 Chiparvester is able to chip large volumes of wood with its 75" (190.5 cm) chipper disc.



The 6400XT's infeed bed is 24 inches (60.96 cm) longer than previous Morbark grinders in the 1,000-plus horsepower range and has sloped sides.



Guests were treated to a "three-grinder finale" at the close of the demo days.

Left: One of the most important features of the 3400X is that it can be made as narrow as 8'4" (2.53 m), making it within the legal transport width in any country, no matter what engine is used.

- Key improvements of the 23X over the previous models include:
- Increased ground clearance with four super single flotation tires for mobilization on uneven logging jobs
 - 8'6" (2.59 m) width for legal transport worldwide
 - Simplified feed system that includes a two-wheel hydraulic feed system consisting of a 35" x 56" (88.9 cm x 142.2 cm) top feed wheel and 13" x 56" (33.2 cm x 142.2 cm) bottom feed wheel
 - An independent disc drive tensioning system for ease of adjustment
 - Large work platform for easier and safer disc inspections and maintenance
 - Improved Chipper Hood design that allows for better access to the disc during inspections and maintenance
 - Integrated skidder bar as standard to allow for easier staging and repositioning of chipping on the landing

"Morbark continues to listen closely to our customers, providing the features they want and need and delivering on our promise of making heavy-duty equipment that helps enable them to succeed," continued Stanton.

Since this is the first Morbark Demo Days since the company acquired Rayco® in November 2017, participants were able to see a demonstration of Rayco forestry mulchers and an aerial trimmer and also had opportunity to operate the equipment. The event culminated with demonstrations of equipment for the forestry, biomass, recycling and tree care markets.



The newest model in Morbark's next-generation platform of horizontal grinders, the 6400XT Wood Hog includes many feature improvements first introduced in the smaller 3400XT.

Yoder & Frey reports massive interest in its end-of-year auction at Ashland, Ohio on Dec. 6

The December sale is always a popular end to the year. With more bidders, more attendees and more stock for sale than the previous sales in 2018 (and scheduled before the now-famous Kissimmee winter equipment sale commences for a week from Feb. 12-16, 2019) it is already building to be even better than before.

"In all the early discussions we've had with con-

signors we've recommended that they confirm what stock and equipment they will be sending to the Ashland and Kissimmee sales as we are anticipating a full catalog for the last sale of what has already been a fantastic year and 2019 looks like it will be off to a flying start," stated Peter Clark, President of Yoder & Frey. "There's a growing appetite in the U.S. to buy and sell used and near new machinery at auc-

tion and we've seen a massive increase in the number of consignors sending equipment to our sales. Similarly we've seen a huge rise in the number of bidders signing up to participate at our auctions in the expectation of securing a great deal — and they are rarely disappointed. This sale should be a real winner for both consignors and bidders."

Some of the top lots already consigned to the Ashland sale include an array of 20-ton excavators, a good selection of wheel loaders, 4WD rough terrain forklifts and cranes along with a growing list of dumpers, dozers, crushers/screeners, compactors, pavers, trucks, trailers and a plethora of attachments, buckets and accessories. Indeed something for almost everyone.

"Being part of the Euro Auctions Group global network of companies provides Yoder & Frey with access to a global market place in which to promote consignors equipment to over 150,000 buyers in over 95 countries," concluded Clark. "Our free to use, robust and secure online sales platform also means we reach a much wider audience and this truly underpins the Yoder & Frey brand and has helped us expand significantly over the past couple of years."

Plans are currently being pulled together for an enhanced schedule of auctions in 2019 at Yoder & Frey sites across the USA and inventory is already being consigned for the now famous, Kissimmee winter equipment sale, which commences for a week from Feb. 12-16, 2019.

All auctions offer potential buyers great opportunities to acquire some impressive lots.

For further information for auctions in the USA please visit Yoder & Frey's [website](http://www.yoderandfrey.com) or email at info@yoderandfrey.com.

Catalogues and further information on the global auctions being organized by Euro Auctions are also available at www.euroauctions.com.



All auctions offer potential buyers great opportunities to acquire some impressive lots.

FOR ALL YOUR COMPLETE CRUSHING SOLUTIONS



INCLINE & HORIZONTAL SCREENERS, CONE CRUSHERS, JAW & IMPACT CRUSHERS, RIP RAP PLANT WASH PLANTS, LOAD OUT BIN BELT FEEDERS & ROCK WOOD SEPARATOR



Made in the U.S.A

RD OLSON MFG
NORTHEAST DEALER
1-800-529-2515

INVOLVED IN MORE THAN ONE INDUSTRY?

We're here to help you

☐

SUBSCRIBE

Country Folks

One year: \$50
Two years: \$85
Digital 1 year: \$25

Regional Agriculture | Paid Subscription (Weekly)

Our premier weekly agricultural newspaper has four editions covering agriculture from Maine through North Carolina. Every issue is loaded with national, regional and local agricultural news, equipment, service advertising and auctions.

Business Type: (check all that apply)

- ☐ Dairy
- ☐ Sheep
- ☐ Alfalfa
- ☐ Beef
- ☐ Goat
- ☐ Corn
- ☐ Poultry
- ☐ Horse
- ☐ Soybeans



☐

SUBSCRIBE

Country Folks
GROWER

One year: \$24
Two years: \$40
Digital 1 year: \$18

Regional Horticulture | Paid Subscription (Monthly)

Country Folks Grower is the regional newspaper for all segments of commercial horticulture. Each issue is filled with important information for the greenhouse, nursery, garden center, landscaper, fruit/vegetable growers & farm marketers.

Business Type: (check all that apply)

- ☐ Greenhouse
- ☐ Farmers Market
- ☐ Small Fruit
- ☐ Tree Fruit
- ☐ Direct Market
- ☐ Christmas
- ☐ Nursery
- ☐ Vegetable
- ☐ Supplier
- ☐ Garden Center



☐

SUBSCRIBE

Country Folks
Mane Stream

Free upon request.
Fill out and
return form.

Northeast Equine Market | Free Subscription (Monthly)

Mane Stream is a monthly horse publication reaching Maine to Northern Pennsylvania and New Jersey. Mane Stream is sent to horse owners who request it and all of our 50+ affiliated horse associations as well as tack shops, feed stores, stables, auction barns and where horse people frequent.

How many horses do you have?



☐

SUBSCRIBE

Wine &
CRAFT BEVERAGE NEWS

One year print: \$12
Two years digital: \$12

National Craft Beverage | Paid Subscription (Monthly)

Wine & Craft Beverage News offers features, news and information on growing grapes and making/selling wines and craft beverages. Learn tips on how to start or improve your business.

Business Type: (check all that apply)

- ☐ Grape Grower
- ☐ Cidery
- ☐ Vineyard
- ☐ Supplier
- ☐ Craft Brewery
- ☐ Craft Distiller



RockRoadRecycle.com

Free online subscription

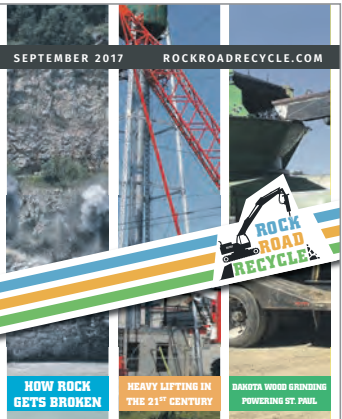
Global Construction Resource | Free Subscription (Monthly)

Formerly NAQN, HHN and WHEN

Our new digital publication and accompanying website connects buyers, decision-makers, dealers, manufacturers, service providers and end users across all three industries. RockRoadRecycle.com offers marketing through our digital magazine, our website, three e-newsletters targeted toward each industry, social media, email promotions and other numerous opportunities.

SUBSCRIBE FOR FREE
by visiting our website
and filling out our simple form.

For any questions,
Contact your sales rep by
calling our toll free number:
800-218-5586
or email
info@rockroadrecycle.com



LEE NEWSPAPERS, INC.

PO Box 121, 6113 St. Hwy. 5
Palatine Bridge, NY 13428

*Digital
publications
require a valid
email address

SUBSCRIPTIONS

888-596-5329
FAX 518-673-2699
Email: subscriptions@leepub.com

Name _____

Address _____

City _____ State _____ Zip _____

Email _____

Phone _____ Fax _____

Date _____ Signature _____



To Place A Classified Ad Phone 1 (800) 836-2888 • Fax (518) 673-2381 • E-mail: classified@leepub.com

RRR Mailing Address Classifieds,
PO Box 121, Palatine Bridge, NY 13428

Number / Classification

- 20 Air Compressors
- 25 Air Tools
- 35 Announcements
- 45 Antiques
- 55 Appraisal Services
- 60 Asphalt Equipment
- 70 Attachments
- 80 Auctions
- 85 Backhoe/Loaders
- 135 Bits
- 150 Buckets
- 155 Building Materials/Supplies
- 157 Building Repair
- 160 Buildings For Sale
- 165 Business Opportunities
- 190 Chain Saws
- 200 Chippers
- 220 Compaction Equipment
- 225 Composting Equipment
- 230 Compressors
- 240 Concrete Mobile Mixers
- 245 Concrete Products
- 255 Construction Demolition
- 265 Construction Eq. For Rent
- 270 Construction Eq. For Sale
- 275 Construction Machinery Wanted
- 277 Construction Services
- 278 Construction Subcontracting
- 280 Construction Supplies
- 300 Conveyors
- 310 Cranes
- 320 Crushing Equipment
- 375 Dozers
- 400 Drills
- 415 Employment Wanted
- 425 Engines
- 430 Excavators
- 470 Financial Services
- 494 For Lease
- 495 For Rent
- 505 Forklifts
- 535 Generators
- 550 Gradalls
- 555 Graders
- 610 Help Wanted
- 635 Hoists
- 705 Legal Notices
- 745 Loaders
- 760 Lumber & Wood Products
- 780 Maintenance & Repair
- 800 Mine Equipment
- 805 Miscellaneous
- 880 Parts
- 885 Parts & Repair
- 890 Pavers
- 925 Pressure Washers
- 950 Real Estate For Sale
- 955 Real Estate Wanted
- 975 Rentals
- 997 Safety Equipment
- 1017 Scrapers
- 1020 Screening Equipment
- 1040 Services Offered
- 1085 Snowplows
- 1097 Sprayers
- 1105 Sweepers
- 1120 Tools
- 1130 Tractors
- 1140 Trailers
- 1145 Training
- 1170 Truck Parts & Equipment
- 1175 Trucking
- 1180 Trucks
- 1205 Wanted

Announcements

ADVERTISING DEADLINE

Thursday, November 7, 2018

For as little as \$10.00 - place a classified ad in

Rock Road Recycle

Call Peg at **1-800-836-2888**

or **518-673-0111**

or email classified@leepub.com

Air Compressors

LARGE 2 STAGE air compressor. 315-281-5076

Announcements

CHECK YOUR AD - ADVERTISERS should check their ads on the first week of insertion. Lee Newspapers shall not be liable for typographical, or errors in publication except to the extent of the cost of the first weeks insertion of the ad, and shall also not be liable for damages due to failure to publish an ad. Adjustment for errors is limited to the cost of that portion of the ad wherein the error occurred. **Report any errors to Peg Patrei at 518-673-0111 or 800-836-2888.**



★ ★ ★ ★ ★ ADVERTISERS

Get the best responses from your advertisements by including the age, condition, price and best calling hours. Also, we always recommend insertion for at least 2 issues for maximum benefits. **Call Peg at 1-800-836-2888**

IS YOUR WEBSITE MOBILE FRIENDLY? Google reporting listing changes for non mobile friendly sites!! Don't lose your traffic. Update now!!! WWE Marketing 518-527-6800 wjlepub@gmail.com

Building Materials/Supplies

Announcements

Construction Equipment For Sale

AIR COMPRESSOR, LeRoi 185, John Deere diesel, 600hrs., like new; Vermeer LM35 trencher plow, 1,300hrs. 518-993-2370

Construction Services



Zimmerman Repair

All types of AG and Construction
Equipment Repair.

Penn Yan, New York
315.536.6040

Custom Services

BUSINESS CARDS: 1,000 for only \$60.00, full color glossy. Give us your existing card or we will design one for you! **FREE SHIPPING** included. Call Lee Newspapers at 518-673-0101 or email commercialprint@leepub.com



Building Materials/Supplies

Engines

Carl McQuillen
ENGINES INC

- Block & Cylinder Head Reconditioning
- Crank Shaft Grinding
- Shaft Repair
- Engine Kits

(585) 768-2322

www.mcquillenengines.com

8171 East Main Road Le Roy, NY 14482

Find us on
Facebook



Fencing

LOCUST POSTS, POLES, Split Rails, 6x6's, 4x4's, other hardwood boards and planks, custom cut. Also lots, land cleared, woodlots wanted. 518-883-8284.

Construction Services



www.rockroadrecycle.com

Help Wanted

Help Wanted

**Need to Hire Someone?
Looking For Your Next Star
Employee?**

Check out the

**ROCK ROAD
RECYCLE
JOB BOARD**

Go to

jobs.hardhat.com

Lumber & Wood Products

Lumber & Wood Products

WANTED

**ANTIQUE TIMBERS
& BOARDS**

Yellow Pine, Cypress,
Fir, Oak.

(512) 658-2220

WHAT ITS WORTH, INC.

KIMBALL, TN

WIWPINE@GMAIL.COM



Labels, Magnets, Business Cards, Rack Cards, Banners, Flyers/Brochures, Postcards, Business Forms, Non-Carbon Reproduction Forms (NCR), Signs, Pull-Up Banner Stands, Feather Banner Stands, Door Hangers, Envelopes, Invitations, Posters, Calendars, Self-Inking Stamps. Call with your needs. **Lee Newspapers 518-673-0101** or email commercialprint@leepub.com

D&J Supply LLC

**26 & 29 Ga. Metal Roofing & Siding
Pre-Engineered Trusses**

Pole Barn Packages - Any Size

~ Direct Shipments ~

Call Us for Your Building Needs

Located in Central New York

518-568-3562

1-800-836-2888

To Place A Classified Ad Phone 1 (800) 836-2888 • Fax (518) 673-2381 • E-mail: classified@leepub.com

HARD HAT NEWS CLASSIFIED SECTION

Mailing Address: Hard Hat News Classifieds, PO Box 121, Palatine Bridge, NY 13428

Real Estate For Sale

QUARRY FOR SALE in Alton, Illinois with 300' of high calcium rock, good for cement. Railroad lines & barges available. Great location, next to highway. Other potential property available. For more info call 217-854-9229

Sawmills


IRELAND #6 Sawmill w/American steel ceiling mount swing saw. 100' of non-powered roller conveyors w/one independent power section & 110' powered w/motors & stands. 315-281-5076

Snowplows

Snow Pushers 6' up to 16'

Other Sizes Available

Quick-tach, Bucket Mount or Bare Back



PINE RIDGE Welding and Machine

Penn Yan, NY - Steel Sales - 315-536-2102

Trailers

1970 DUMP TRAILER, 24' steel, oldie but goodie, good for demo work, \$2,500. 716-937-6434.



Trailers

Trucks

Martin's Farm Trucks, LLC

Trucks for All Your Needs - Specializing in Agri-Business Vehicles



2011 International 5900i, ISX Cummins 525hp, Jake, 18spd, 18/20/46 axles, HMX susp, Quadlock, double frame, 19.5' dump, 78" sides 451k miles, \$76,500



2016 Freightliner M2, ISL Cummins 350HP, Exhaust Brake, Allison 6spd, 16/40/13.2K Axles, Airliner HD susp, Double frame, 28"x100" Eby Aluminum flatbed, 56,045 original miles, \$86,500

717-597-0310

Snowplows

Trucks

Miscellaneous

BUSINESS CARD MAGNETS only \$75.00 for 250. Free Shipping. Call Lee Publications at 518-673-0101. Please allow 7-10 business days for delivery.



EQUIPMENT RENTALS

CALEDONIA DIESEL, LLC

TRUCK & EQUIPMENT SALES & SERVICE

"The Diesel People!"

2905 Simpson Rd., Caledonia, NY
Just 1 mile south of Route 20 on 36 south

585-538-4395 • 1-800-311-2880
Since 1982



2014 Hyundai HL730-9A Wheel Loader
3,940 hours, EROPS w/wheat and A/C, 2.5 CY bucket, Cummins 128 HP, 17.5x25 rubber, Powershift w/ autoshift option \$59,500



2003 Sterling AT9500 Knuckle Boom/Dump Truck
Cat C12 355HP, 10 speed, 826k Miles, 10' Steel Body, Mid Mount IMT Crane, Hitch, Air Ride, Stock #5846 \$19,500



Cat CT660S Quad Axle Cab & Chassis
CT13 475HP, 18 speed, 177k Miles, Double frame, 20k front, 46k rears, Mid and rear lift axles, 25' of frame. Stock #5852 \$59,500



2012 Freightliner M2 Flatbed
Cummins ISB 240HP, Automatic Trans., 23' steel deck. 31,000 Lbs. GVW, 270k miles
Stock #5867 \$24,500



2008 Peterbilt 367 Day Cab
Cummins 485HP, Allison automatic, 109k miles, 14k front axle, 44k full locking rears, wet-line, Stock #5843 \$59,900



2007 Sterling Tri-axle Tractor
Cat C15 466HP, 18 speed, 308k miles, 14.7k front axle, 20k lift and 46k full locking rears. Wet line, air ride. Stock #5851 \$32,900

Please check our Web site @ www.caledoniadiesel.com

4 Easy Ways To Place A

ROCK ROAD RECYCLE Classified

1. **PHONE IT IN** - Just give Peggy a call at 1-800-836-2888
2. **FAX IT IN** - For MasterCard, Visa, American Express or Discover customers...
Fill out the form completely and fax to Peggy at (518) 673-2381
3. **MAIL IT IN** - Fill out the form, calculate the cost, enclose your check/money order or credit card information and mail to:
ROCK ROAD RECYCLE Classifieds
PO Box 121
Palatine Bridge, NY 13428
4. **E-MAIL IT IN** - E-mail your ad to classified@leepub.com
e-mail or call with your credit card information.

FOR BEST RESULTS, RUN
YOUR AD FOR TWO ISSUES!

Cost per issue: \$10.00 for the first 14 words, 30¢ each additional word.
(Phone # counts as one word)

Number of Issues to Run

		\$10.00	\$10.30
\$10.60	\$10.90	\$11.20	\$11.50
\$11.80	\$12.10	\$12.40	\$12.70
\$13.00	\$13.30	\$13.60	\$13.90
\$14.20	\$14.50	\$14.80	\$15.10

Name: (Print) _____

Street: _____ County: _____

City: _____ St.: _____ Zip: _____

Phone: _____ Fax: _____

Cell: _____ E-mail: _____

☐ I have enclosed a Check/Money Order

☐ Please charge my credit card:

☐ American Express ☐ Discover ☐ Visa ☐ MasterCard

Card #: _____ Exp. Date: _____ (MM/YY)

* (REQ.) Card Security Code # _____

Signature: _____ Date: _____ (Required with Credit Card Payment Only) (MM/YY)

SPECIAL OF THE WEEK



New PJ 102"x22' Deckover

Full bed tilt trailer, 14,000 lb. GVW, self contained, hydraulics power up/down, LED lights, adjustable coupler, winch plate, divided tool box, front steps, mud flaps

\$7,235

Midlakes Trailer Sales

"We'll hook you up"

1595 Yale Farm Rd., Romulus, NY 14541

Toll Free 888-585-3580 ~ 315-585-6411





THE R REVOLUTION BEGINS.

INTRODUCING BOBCAT **R**-SERIES EXCAVATORS

Robust. Remarkable. Revolutionary. However you describe them, R-Series compact excavators are the best yet from Bobcat Company. R you ready for the revolution?

► Take a closer look at NEW
R-Series compact excavators:
Bobcat.com/MyR-Series

Bobcat®, the Bobcat logo and the colors of the Bobcat machine are registered trademarks of Bobcat Company in the United States and various other countries.
©2017 Bobcat Company. All rights reserved. | 53663-8



Bobcat®

One Tough Animal.

Authorized Bobcat Dealers

CONNECTICUT

Bobcat of Connecticut, Inc.
East Hartford
860-282-2648
www.bobcatct.com

Bobcat of Stratford Stratford

203-380-2300
www.bobcatct.com

MASSACHUSETTS

Bobcat of Greater Springfield
West Springfield
413-746-4647
www.bobcatct.com

Bobcat of Worcester Auburn

508-752-8844
www.bobcatct.com

NEW JERSEY

Bobcat of New Jersey
Totowa

973-774-9500
877-9-BOBCAT
www.njbobcat.com

NEW YORK

Bobcat of Mid-Hudson
Newburgh

845-764-8466
www.summitbobcat.com

Summit Handling Systems Inc.
Walden

845-569-8195
www.summitbobcat.com

Warner Sales & Service
Rome

315-336-0311
www.warnerss.com

RHODE ISLAND

Bobcat of Rhode Island
Warwick

401-921-4300
www.bobcatct.com