

# ppda

PROFESSIONAL  
DEMOLITION  
AMERICAS

Your Gateway to North, Central and South America

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Bonus Circulation



News

Aquajet Ergo  
System Refines  
Compact  
Hydrodemolition  
page 16

News

New Cat Multi- Processor  
page 15

News

New Razer X Multi-Jaw  
from Genesis  
page 20

News

HTC Launches New  
Range for Smaller Jobs  
pages 22

Feature

LaBounty's Mobile  
Shears with Indexable  
Piercing Tip  
pages 25

News

New Attachments from  
Hydraram  
pages 26

Business

Arden Opens  
US subsidiary  
page 6

Business

Okada America  
and Rotar in Joint  
Alliance  
page 8

Business

Brokk Records  
a Record Order  
page 8

Feature

Demolition Robot  
Applications - A  
Growing Market  
page 28

Special Feature: Tool Change in A Twinkling of An Eye

# Quick Change

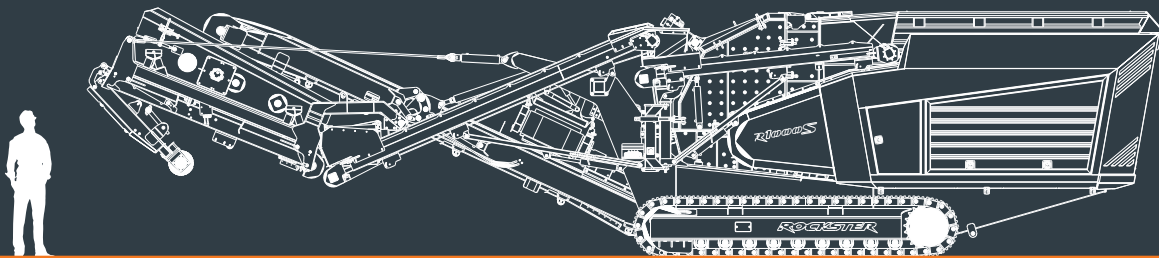
pages 10-15

"DESERT STORM" - Review from World of Concrete 2019 pages 32-42



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**Postal address:**  
Riverbends Publishing, LLC, Pda Magazine,  
P.O. Box 552, Nokesville, VA 20182, USA

**Phone:** +1 703 392 0150

**E-mail Editorial Office:**  
editorial@pdamericas.com

**Web Site:**  
www.pdamericas.com

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### EDITORIAL STAFF

**Senior Editor:** Jim Parsons  
jim.parsons@pdamericas.com

**Editor-in-Chief:** Jan Hermansson  
jan.hermansson@pdamericas.com

**Assisting Editor-in-Chief**  
Anita do Rocio Hermansson  
anita.hermansson@pdamericas.com

**Editor North America:** Jim Parsons  
jim.parsons@pdamericas.com

**Editor South America:** Luiz Carlos Beraldo  
luizcarlosberaldo@gmail.com

**Junior Editors:** André Hermansson  
andreviniugogola@gmail.com

Vitor Hermansson  
vitor@live.se

### CORRESPONDENTS

Andrei Bushmarin  
andrei.bushmarin@pdworld.com

Mikael Karlsson  
mikael.karlsson@pdworld.com

### SALES

**Sales Director North & South America 1**  
Darren Dunay  
Riverbends Publishing, LLC, Pda Magazine  
P.O. Box 119, Westwood, NJ 07675, USA  
Phone: +1 201 781 6133,  
Fax: +1 201 664 1829  
darren.dunay@pdamericas.com

**Sales Director North America 2**  
Andrei Bushmarin  
Phone: +7 921 949 27 81  
andrei.bushmarin@pdworld.com

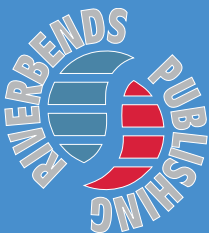
**Sales South America 2**  
Eduardo Kubrick  
Phone: +55 11 999494544  
eduardo.kubrick@pdamericas.com

**Sales Europe and rest of the world**  
Phone: +46 8 585 700 46  
sales@pdamericas.com

**Publisher**  
Jan Hermansson

**Cover Picture**  
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# Contents

## PROFESSIONAL DEMOLITION AMERICAS

### Your Gateway to North, Central and South America

<b>4</b>	<i>Editorial</i> A Taste of Honey...and Hope	<b>16</b>	Ramplifier From Rotar	World of Concrete
<b>6</b>	<i>Business</i> Arden Equipment Opens U.S. Subsidiary	<b>18</b>	Exciting New Doosan Product Display at Bauma 2019	Makinex Debuts Portable Power Box
<b>8</b>	Hilti Achieves Double-Digit Sales Growth		Aquajet Introduces Versatile Super Lance 3000	New RONDA Vacuum and Pre-Separators
	GSSI Announces New Sales Pro for Western Canada	<b>47</b>	New CATMulti-Processor Feature Quick Change Jaws and More	New Scrap Shears From Caterpillar
<b>10</b>	HazTek Welcomes Industry Expert in Fall Projection	<b>20</b>	New Genesis Razer X Multi-Jaw Demolition Tool Features Fast, Fully- Automated Jaw Change-Outs	Scanmaskin World Series Make Concrete Floor Polishing Easy
	Atlas Copco Acquires Pump Distributor		GSSI Showcases Latest GPR Technology at World of Concrete	STIHL Cut-Off Machine Safety, Maintenance, and Operation DVD
	Okada America and Rotar International Announce Joint Alliance of Demolition Attachments	<b>48</b>	New Cat C13B Engine	News From Epiroc
	Brokk Records a Record Order	<b>22</b>	HTC Launches New Range of Machines for Smaller Grinding Jobs	Erkat Remains a Byword for Quality and Forward Thinking in 2019
	Steelwrist France SAS - New French Subsidiary	<b>50</b>	US Construction Employment Reaches 11-Year Peak	The Best in Concrete Renovation Honored at WOC Ceremony
<b>16</b>	<i>Feature</i> Tool Change in... A Twinkling of an Eye	<b>25</b>	LaBounty's Mobile Shears Feature World's First Double-Sided, Indexable Piercing Tip	10,000 Bobcat E10 mini Excavators in 10 years
<b>28</b>	Demolition Robot Applications - A Growing Market		Rockster's Commitment to Sustainability on Display at Bauma 2019	Triple E Equipment Announces New Dealers in US and Canada
<b>16</b>	<i>News</i> Aquajet Systems Ergo System Redefines Compact Hydrodemolition	<b>32</b>	New from Hydraram InSite Provides Real-Time Productivity Data and On-Demand Support for LaBounty Mobile Shears Lavina Elite Debuts at	<i>Feature</i> Desert Storm: A Look at World of Concrete 2019
	New Cat App Simplifies Life	<b>44</b>	The NDA Demolition Rockies	
	CASE Gives Operators Control at Bauma 2019	<b>43</b>		

# A Taste of Honey... and Hope

I recently had my first taste of mead, or "honey wine." And I must say, the experience was a bit overwhelming.

Not the mead itself, mind you. After all, the drink has been around for several thousand years, and is enjoying a revival thanks in part to growing interest in craft beers and other small-batch beverages. And the varieties I sampled were indeed quite tasty.

What made this mead special was that it wasn't made in a traditional wine-producing region or overseas, but in what had been a long-vacant storefront in a part of Hopewell, Va.—my home town—that has had little to cheer about in recent decades.

It hasn't been for lack of trying, of course. While local industries, a nearby Army base, and close proximity to Richmond have always provided a decent employment base, Hopewell's downtown has suffered the same fate that has befallen other towns and small cities after new shopping centers and big box stores siphon away shoppers. Absent a reliable anchor with mass appeal, downtown was something one passed through with hardly a glance.

But after many years of big revitalization schemes gone bust, and "next big things" faded into short-lived fads, Hopewell may have finally found hit upon a sustainable formula, adapting the live/work/play revitalization model currently underway in underutilized urban areas from Florida to California. Several new restaurants and other businesses, including the meadery, have opened in advance of new high-end apartments that will be marketed to Millennials who like the idea of all these attractions within easy walking distance of their homes.

Concurrently, the City is working to make the nearby riverfront more accessible, providing a connection t once limited to a handful of

property owners or kids and other adventurous souls with no fear or snakes, briars, or mud.

What has this small-town feel-good story got to do with concrete cutting and drilling? Certainly, the new projects are good for the area's construction industry, especially with so many existing buildings now looking ripe for renovation and reuse. And to paraphrase Frank Sinatra, if this formula can work here, it can work in other communities with dormant downtowns.

Of course, timing has had a lot to do with Hopewell's nascent success, and the redevelopment goals could still fall short of expectations, or be starved by an economic downturn or competition from other long-stagnant communities. (Believe me, there are plenty of them down that way.)

What will surely separate this effort from others, is the same game-changer that brought it about in the first place—a lot of hard work and perseverance by a lot of people who saw assets where others saw only despair, and put no limits on either their imagination or due diligence. Not unlike the construction and demolition professionals who put their reputation and resources on the line to launch and grow their own businesses. (See?

Another construction connection!)

Well then, a toast of mead to them all. May the success taste just as sweet.



**Jim Parsons, Senior Editor**  
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From the left Brokk global Sales Director, Joakim Furtenback and newly employed Area Manager for South America, Richard von Harpe.

## Brokk Hires Sales Manager for South America

Brokk has named Richard von Harpe as Area Manager for Latin America, and country manager for Chile. Von Harpe has more than 13 years of experience in selling technological products, services, and solutions for the food, mining and construction industries, among others. Fluent in English, Spanish, and German, he has a proven track record of developing high performance multi-dis-

cipline teams in North and South America and Europe.

Von Harpe's appointment continues Brokk's efforts to raise its profile in South America, after having managed sales and support from the U.S. for many years. Last year, the company opened its first subsidiary in Santiago, Chile, where von Harpe will be based.

"I clearly see a bright future for Brokk in Latin America and there is a lot of potential to be developed," von Harpe told PDA at World of Concrete. "Our goal here is to offer a premium experience to our customers delivering the best quality products and services, sharing the same ambition to be the leading player in our respective fields."

[www.brokk.com](http://www.brokk.com)

## Arden Equipment Opens U.S. Subsidiary

French attachment manufacturer Arden Equipment is setting its sights on the North American construction market. Following the opening its Chicago-based U.S. subsidiary, the company is now looking for dealers to help spread the world.

"We are aware it is a true challenge for us because we know how important it is for Arden Equipment to position itself in such a market with so many opportunities," says Véronique Le Provost, Arden's North America business development manager. "We have to measure up to the market and its requirements."

Le Provost has been criss-crossing the U.S. and Canada to develop strong partnerships with dealers, including stops at the National Demolition Show in Denver, and the National Heavy Equipment Show in Toronto.

Founded in 1956, Arden Equipment has evolved from producing excavator buckets to a wide range of demolition and recycling products, including clamshell and rehandling grabs, multi-tine grabs, and other dedicated hydraulic equipment. Arden has garnered praise for its latest development, Arden



Jet, the first spraying system which is fully integrated to reduce dust emissions on sites.

[www.arden-equipment.com](http://www.arden-equipment.com)

Above Véronique Le Provost, Arden Equipment's North American business development manager



## Hilti Achieves Double-Digit Sales Growth

The Hilti Group closed 2018 with sales growth of 10.7 % to \$5.5 billion, according to figures released by the company in January. Hilti CEO Christoph Loos summarized the year as having been important year for the Hilti Group. "We made substantial investments into innovations, market reach and our infrastructure, laying the foundation for long-term profitable growth," Loos said. "With double-digit sales growth, we have reached our goal." As with many other equipment manufacturers, however, Loos forecast a reduction in growth dynamics due to continuing global trade tensions. North America again saw double-digit sales growth (10.4%) for Hilti products during 2018, while Latin America continued its upward swing with an increase of 8.6%. In Europe, Hilti achieved strong sales growth of 10.6% in local currencies. The sole exception was in the United Kingdom, where Brexit is creating uncertainties in the construction industry. In Hilti's Asia Pacific, sales grew by 7%. Despite challenges in countries such as Turkey, Russia, and Saudi Arabia, Hilti's sales in Eastern Europe /Middle East /Africa grew by 9.3%.

[www.hilti.com](http://www.hilti.com)

## GSSI Announces New Sales Pro for Western Canada

GSSI has named Adam Mercer as Application Specialist responsible for British Columbia, Alberta, and Saskatchewan, Canada. Mercer has considerable expertise with a variety of geophysical equipment and acquisition and processing software, and has served as project leader and supervisor in both field and office settings. Mercer joins GSSI from a major global drilling company where he was a field professional responsible for logging while drilling (LWD) and measurement while drilling (MWD) surface systems. While serving as a regional sales manager for a Colorado-based oil and gas exploration and development firm, he helped clients minimize transportation costs, identified resources to align with prospective client needs, managed contract negotiations, and serviced accounts.

[www.geophysical.com](http://www.geophysical.com)





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## Event Calendar

**Demolition Rockies 2019  
US National Demolition  
Association Convention**  
March 23-25, 2019  
Aurora, Colorado, USA  
[www.demolitionassociation.com](http://www.demolitionassociation.com)

**Bauma 2019**  
April 8-14, 2019  
Messe München,  
München, Germany  
[www.bauma.de](http://www.bauma.de)

**IACDS Convention 2019**  
April 15, 2019  
Messe München,  
München, Germany  
[www.iacds.org](http://www.iacds.org)

**ISRI Convention 2019**  
April 8-11, 2019  
Los Angeles Convention  
Center, Los Angeles, USA  
[www.isri2019.org](http://www.isri2019.org)

**Conexpo-Con/Agg 2020**  
March 10-14, 2020  
Las Vegas Convention  
Center, Las Vegas, USA  
[www.conexpoconagg.com](http://www.conexpoconagg.com)

### HazTek Welcomes Industry Expert in Fall Projection

When HazTek Inc. brought on safety specialist Dan Kane as a Principal Consultant, they knew that his expertise in fall protection, rescue equipment, and PPE would be extremely beneficial to their clients. They also saw him as a valuable resource to professional associations, the safety community, and his peers. With nearly three decades of professional safety experience, Kane has worked for some of the largest manufacturers of fall protection and personal protective equipment in the world. Most recently, he served as Director of Safety Services at Diamond Tool in Philadelphia, Pa., where he specialized in the evaluation, design, layout, sale, and implementation of fall protection systems.

Kane's safety knowledge has been instrumental in the design of systems and solutions for several fall protection manufacturers, Fortune 500 companies, universities, utilities plants, and manufacturing facilities throughout the United States. In addition, he has often been called upon to train product testing engineers. Kane is an active member of the fall protection community and speaks at events for federal and state safety and health agencies, industry associations, unions, and universities. He is frequently asked by his peers to provide consultations, assessments, testing, training, design/application assistance, and professional reviews.

[www.haztekinc.com](http://www.haztekinc.com)

## Atlas Copco Acquires Pump Distributor

Atlas Copco has acquired Industrie Pumpen Vertriebs GmbH (IPV), a German distributor of industrial pumps for the Varisco brand. Based in Dresden, the 20-person company focuses on

products for the chemical industry. The value of the acquisition was not disclosed.

"The industrial segment is key for us in order to further grow our pumps

business," says Andrew Walker, President of Atlas Copco's Power Technique business area, of which IPV will become a part. Atlas Copco Group Center

[www.atlascopcogroup.com](http://www.atlascopcogroup.com)



Left to right: Massimo Scapolo, general manager of Varisco's customer center; Maik Graumuller - owner IPV; Adrian Ridge, president, Atlas Copco Power and Flow division; and Wim Moors, vice-president for marketing for Atlas Copco Flow products.

## Okada America and Rotar International Announce Joint Alliance of Demolition Attachments

Okada America, Inc., and Rotar International BV have announced that they have entered into an alliance of their demolition attachment businesses in the North American marketplace. The alliance offers customers more options in demolition, recycling and scrap yard attachments, and strengthens both manufacturers' distributor networks in their ability to service existing and future customers. Okada will provide sales, service, parts and warranty support for the Rotar products along with continuing to support the existing population of Okada products in the field.

"We are very pleased to team up with Rotar International BV and to be adding Rotar products to complement our existing line of attachments," says Okada's President, Jim Brown. "Rotar's demolition, recycling, scrap

handling, and mobile shear products are field-proven for performance and reliability. And, they are backed by Rotar's years of quality manufacturing experience." Adds Louis Broekhuizen, Commercial Director, Export of Rotar International, BV, "We are very excited to be joining forces with Okada which has been a leader in the attachment industry for more than two decades. Okada has a great reputation and we are proud to be involved in this joint alliance."

Through more than 200 U.S. and Canadian Distributors, Okada offers a complete line of excavator, loader/backhoe, skid-steer, track, compact utility loader and mini-excavator mounted attachments. Rotar is a supplier of high-quality demolition, steel scrap recycling and material handling hydraulic attachments.

## Brokk Records a Record Order

Brokk has received its biggest order in the company's 40-year history, with 60 Brokk robots with multiple tools and attachments scheduled for delivery to a customer in Asia later this year.

While Brokk robots are well known in the construction process, mining, and tunneling industries, the machines play important roles in recovery activities following natural disasters, severe accidents, and terrorist attacks.

Brokk's proven machines with technol-

ogy for both short and long-distance remote control, removes the operator from high-risk areas. Because the critical first hours after a disaster are filled with uncertainties, the Brokk machines' capability to easily switch and use a wide variety of tools is highly valuable. One machine to move, lift, demolish, cut and dig its way through difficult conditions and terrain is what makes Brokk robots the perfect solution for a variety of rescue and recovery missions.

[www.brokk.com](http://www.brokk.com)

## Steelwrist France SAS - New French Subsidiary

As the market for tiltrotators and other work tools continue to grow, Steelwrist is strengthening its presence in markets of strategic importance. The company has had its own organization in France for some years, but now take a further step and establishes a local company, Steelwrist France SAS.

"We are pleased to take this important step in growing our organization by establishing a formal entity in France," says Nicolas Proust, who oversees Steelwrist services in France. "This will allow us to more immediately and thoroughly meet the needs of our customers in the region. We look forward to continuing to grow and expand in France."

[www.steelwrist.com](http://www.steelwrist.com)





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# A Twinklin

## Tool Change in...

**Tool changes in seconds, fewer machines on the worksite. Higher production rates. More profit. The right tool for the job. Lower transport costs. No oil spills. Improved safety. No protected hose run. These are the major advantages when using a proper, fully hydraulic, automatic quick coupling system. Here we outline the latest developments from suppliers in this year's PDA feature on quick coupling systems for demolition excavators.**



**Åke Sonerud, OilQuick with the Swedish Demolition Industry Honorary Award 2018.**

The working environment for demolition excavator operators is steadily getting better and better. Cabins are being improved with more space, visibility and better protection from falling debris. Now, the right quick connect system from a professional supplier means they don't even need to leave the cabin to change a hydraulic attachment. But that is not even news anymore, as there is an assortment of dedicated manufacturers who develop and manufacture fully hydraulic and automatic quick coupler systems for demolition carriers. Leading companies include OilQuick, Steelwrist, Variolock from Lehnhoff, Likufix from Liebherr, EC-Oil from Engcon, and Riedelberger. There is also a rumor that Caterpillar is working on a new fully automatic system. What is definitely new since about a year ago is that other manufacturers have started to develop their own quick coupling systems. In short, there are more options available than ever before, and more to come.

### **OilQuick**

The quick coupling system revolutionized the workday for the operator was invented in the mid-1990s by OilQuick from Hudiksvall in northern Sweden. OilQuick, founded in 1952, is now the world's largest provider of fully hydraulic and automatic quick coupling systems for excavators. It is a modern engineering and sales company, specializing in automatic quick coupler systems not only for demolition excavators, but also for general excavating, wheel loaders, lift trucks, lorry cranes, and material handling machines. OilQuick has experienced very strong growth during the last 15 years and since the beginning of 2000 increased sales tenfold. Today, around 80% of production is exported to Western Europe, Japan, Australia, and the U.S., with the OilQuick OQ range being of particular interest to the demolition industry. The OQ range contains nine different models ranging from OQ 40/24 for 1t-class excavators to OQ 120 for excavators weighing up to 120t. This is currently the widest selection on the market, offering attachment changes in about 10 seconds without having the operator leaving the cabin.

Besides the Scandinavian countries, OilQuick has gained a strong foothold in Germany, forging close relationships with several suppliers of demolition excavators. OilQuick also has several subsidiaries around the world, including one in the U.S. Sales of quick coupling systems within the demolition industry are rapidly increasing in the US, and the company will exhibit at the National Demolition Association convention in Colorado. OilQuick also exhibited at the recent DEMCON show in Stockholm. There, Åke Sonerud, part owner and chairman of OilQuick was honored with the Swedish Demolition Awards Honorary Prize. The company is also exhibiting at Bauma with new innovations being expected at the show.

[www.oilquick.com](http://www.oilquick.com)

### **Steelwrist**

While the OilQuick system was one of very few that was fully hydraulic and optimized for demolition contractors, other similar systems have come on the market in recent years. Steelwrist, also from Sweden, released the SQ Auto Connection quick coupler system in 2017. At the same time, Steelwrist also released new coupling technology called Qplus, with initially two models of automatic quick coupling systems being launched: SQ60-5 for excavators in the 12t-20t range, and SQ70 for excavators



in the 18t-33t range. Scandinavia warmly received the system from Steelwrist with this soon replicated in other parts of Europe. During 2018 Steelwrist refined its system and launched a third model, the SQ80, for excavators between 25t and 43t.

The Steelwrist SQ Auto Connection couplers follow the ISO13031:2016 standard of a symmetrical wedge locked system. Steelwrist's SQ couplers and SQ tiltrotators also include patented "Front Pin Lock" technology, which ensures increased safety by preventing the operator dropping work tools by mistake.

During the recent Bauma media dialogue, PDA discussed developments with Steelwrist's part owner and president, Stefan Stockhaus, who noted that the company would release two



# g of an Eye



new models, SQ65 and SQ70/55 at Bauma.

"Customers have highly appreciated Steelwrist's move into the fully automatic quick coupler market with a very competitive product offer which is compatible to the market standard," Stockhaus said. "Since the launch of our SQ60, SQ70 and SQ80, our customers in Central Europe have been desperately waiting for the SQ65 and SQ70/55 from Steelwrist. Now we are very happy to launch those new quick couplers at Bauma 2010."

The new SQ65 and SQ70/55 will be available for ordering right after Bauma, and deliveries to customers will begin in July 2019. Another development is a new electrical connector for connecting SQ couplers and work tools. The V14 is a robust 14-pole connector that can be retrofitted in existing SQ and

OQ type couplers and work tools. Stockhaus also mentioned that additional models for heavier demolition carriers are part of Steelwrist's future plans.

[www.steelwrist.com](http://www.steelwrist.com)

## Lehnhoff

German attachment specialist Lehnhoff will present various new products at Bauma,







**Stefan Stockhaus, founder and part owner of Steelwrist.**

including the symmetrical quick coupler for excavators in the 22t-32t range. Also new is a hydraulic HS Plus quick coupler system for mini excavators up to 6t, to which Lehnhoff added a safety addition last year. On the proven HS models, the extension of the locking bolt is signaled to the operator by a display pin on the quick coupler that is clearly visible from the cab. With the HS Plus quick coupler, a release button ensures that the bolt is in the end position. The button is mechanically actuated by the fully engaged attachment, and only then releases the spring force hydraulically. This leads to the extension of the locking bolt on the mini HS coupler. As a result, the user can be absolutely sure that the attachment and the quick coupler are safely and securely connected.

Lehnhoff is also launching its latest mechanical quick coupler, MS03-02, which is designed for 1.5t-6t excavators. The company has further developed its series of symmetrical quick couplers by launching the SQ70 fully hydraulic and automatic quick couplers for excavators from 22t to 32t. The Lehnhoff SQ quick couplers are all fully compliant with the industrial S-standard, though the attachment specialist tends to focus on the fully hydraulic version.

[www.lehnhoff.com](http://www.lehnhoff.com)

### Mecalac

Mecalac has announced that it will launch a new automatic connection for the hydraulic lines between the machine and hydraulic tool, called "Connect Energy Link." In doing so, the company expands the performance and versatility of its excavators with an ingenious system that provides automatic connection of the machine's hydraulic lines and electric cables to the hydraulic attachment. In addition to the improved productivity that naturally results from cutting the amount of time normally spent changing attachments, operators enjoy improved safety and comfort.

An intuitive recognition electrically and hydraulically adapts the machine to the attachment taking place thanks to radio frequency identification (RFID) technology. This patented Mecalac innovation combines a sensor fitted to the end of the





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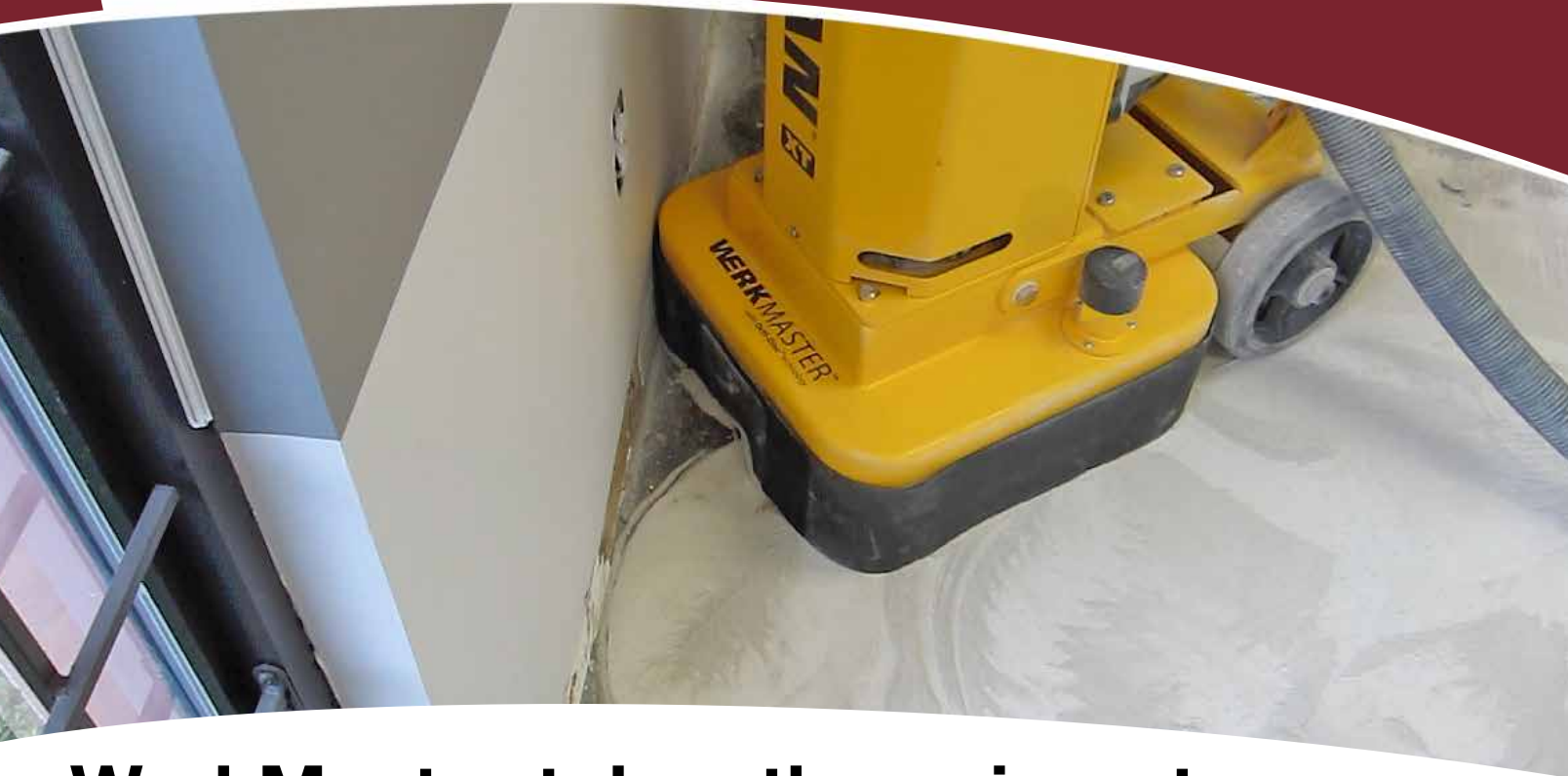
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Below Steelwrist's new electric connector.



The Mecalac quick coupling system.



excavator's articulated arm with an electronic chip built into the hydraulic tool. With the new Connect Energy Link coupler, attachment recognition is intuitive and immediate. Everything is automatically configured in advance from the driver's seat, without the operator needing to become physically involved in any way. In addition, there are no more hydraulic settings to manage as the central system takes direct control of adjusting flows and pressure.

[www.mecalac.com](http://www.mecalac.com)

### VTN Europe

The Italian demolition attachment manufacturer, VTN Europe, will launch its own fully automatic quick coupling system at Bauma. So far, PDA has received very little information about the new system, called "Link-o-Matic," but we do know it is a fully hydraulic and automatic system where demolition attachments can be changed in seconds, directly, without that the operator having to leave the cabin. The system is to be produced in cooperation with a quick coupler manufacturer, with more information set to be released at VTN Europe's booth at Bauma.

[www.vtneurope.com](http://www.vtneurope.com)

### Arden Equipment

A company that has strongly been gearing up during the last couple of years is Arden Equipment from France. Daniel Dupuy, president of the company, told PDA that the company grew by 18% in 2018, and recently opened a subsidiary in North America. Exports of the company's products account for 65% of sales, and are said to be increasing. Arden Equipment now has a comprehensive range of attachments for handling, sorting, demolition and recycling applications. Its series of uni-

versal shears feature built-in dust prevention, called Arden Jet.

The Arden Equipment tool range is set to expand, with a number of new demolition tools will be revealed at Bauma. The entire tool range will be remodeled, with Arden Jet being available on all demolition tools including its breakers in the near future. Arden Equipment also has an extensive range of quick coupling systems for its attachments developed in house, with new solutions for quick tool exchanges set to be introduced at Bauma.

[www.arden-equipment.com](http://www.arden-equipment.com)





## Aquajet Systems Ergo System Redefines Compact Hydrodemolition

Aquajet Systems AB launched the Ergo System in the U.S. at World of Concrete 2019. Ideal for work on floors, walls and ceilings, the robot offers four times the power of a hand lance in a compact footprint that contractors can easily move around the jobsite. The Ergo System's elements include a controller unit, which powers and controls the hydraulics, the Ergo Power Head, which manipulates the high-pressure lance, and either the spine or the climber—unique systems used to support and maneuver the power head, based on project needs. The climber attaches to any standard scaffolding pipes and robotically moves along it to deliver powerful hydrodemolition forces for vertical concrete removal and repair, such as high-rise construction. The system exerts an impressive 225 lbf (1,000 N) of reaction force, about that of Aquajet's largest hydrodemolition robot, the Aqua Cutter 710V. The robot can handle higher volumes of water, as much as



four times greater reaction force than a human operator with a hand lance. This means the machine can remove concrete faster and easier. Contractors can easily move the 271-lb (123-kg) Ergo Controller unit around the jobsite and over soft or rough surfaces due to the wide wheels and low ground pressure. At just 44 in (1.1 m) tall and 17 in (432 mm) wide, the Ergo transports easily on a pallet.

Additionally, the system is also service friendly with hydraulic hose multiconnectors that are 100% sealed from moisture to virtually eliminate the risk of leaks during transportation. The Ergo System requires a high-pressure pump to operate. Aquajet offers a compact Power Pack ideal for the purpose, featuring a high-pressure Hammelmann pump, diesel engine and an integrated control system.

[www.aquajet.se](http://www.aquajet.se)

### New Cat App simplifies life

The new Cat App delivers simplified, streamlined data directly to mobile devices, helping customers monitor machine location, operating hours, machine health, and utilization data. Customizable push notifications can be set up for machine operating condition,

and planned service indicators are sent to the user. Users can establish different thresholds for triggering an event notification. Cat App is available on both iOS and Android operating systems, and can be downloaded from Apple iTunes or Google Play store.

## CASE gives operators the control at Bauma 2019

At Bauma 2019, CASE will showcase its new compact wheel loader models with electrohydraulic controls. With more than 20 sensors and 20 electrohydraulic actuators installed on the machine, this new technology will improve operator controllability, provide the option to select different operating modes and allow for combined movements. Operators will have greater control over the hydraulic speed for both travel and unloading.

Egidio Galano, CASE Compact Product Line Director, explains the reason for this new development: "Our customers have driven this change. We know that automated functions reduce operator fatigue and allow



operators to be more productive, even for those with less experience. We've taken proven electrohydraulic technology that has been a huge success in our G-series wheel loaders and adapted it for use in these more compact models. Moving to electrohydraulic controls improves the operator experience by reducing the number of manual tasks that they must perform, but also gives a smoother, effortless feel to the joystick so that operators can work all day without fatigue.

Visitors to the CASE stand at Bauma will also see several other enhancements to the CASE compact wheel loader range, including a new hydraulic quick coupler for better visibility during load operations. New fork frames and buckets will provide an increased rollback angle and greater load retention at high speeds. All new features on the compact wheel loader models will be available in the second half of 2019.

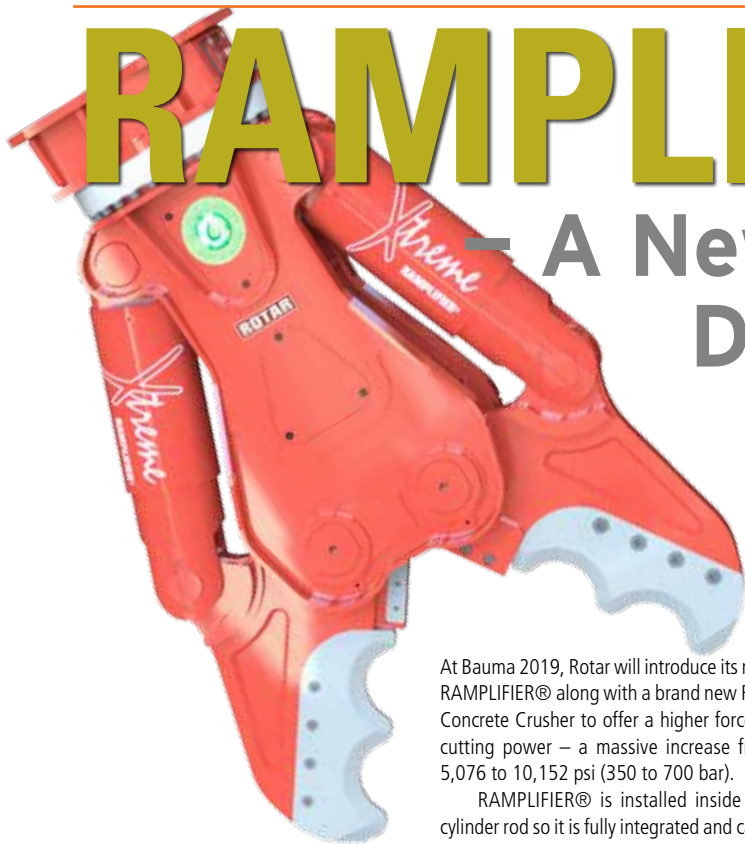
Discover more about CASE's innovations at Bauma 2019, stand FN 817.

[www.case.com](http://www.case.com)



# RAMPLIFIER *from Rotar*

## — A New Standard for the Demolition Industry



At Bauma 2019, Rotar will introduce its new RAMPLIFIER® along with a brand new RCC Concrete Crusher to offer a higher force of cutting power — a massive increase from 5,076 to 10,152 psi (350 to 700 bar).

RAMPLIFIER® is installed inside the cylinder rod so it is fully integrated and can't be tampered with. RAMPLIFIER® activates

around 3,625 psi (250 bar). Though the cutting process slows somewhat, the already powerful RCC becomes much stronger. Compare this with machines where no booster is used; the attachment requires a larger cylinder and therefore more oil, which leads to slower cycle times.

Built for heavy industrial demolition, the RCC Concrete Crusher is ideal for jobs involving thick concrete with reinforcements inside such as bridges, parking garages, etc. Adjustable cutting blades with shims can fine tune for correct gap, while replaceable wear-resistant teeth slide on easily with just four screws. Rebar cutter blades are longer and more user friendly for the driver to cut, all in a straight line for better access into the jaw's throat.



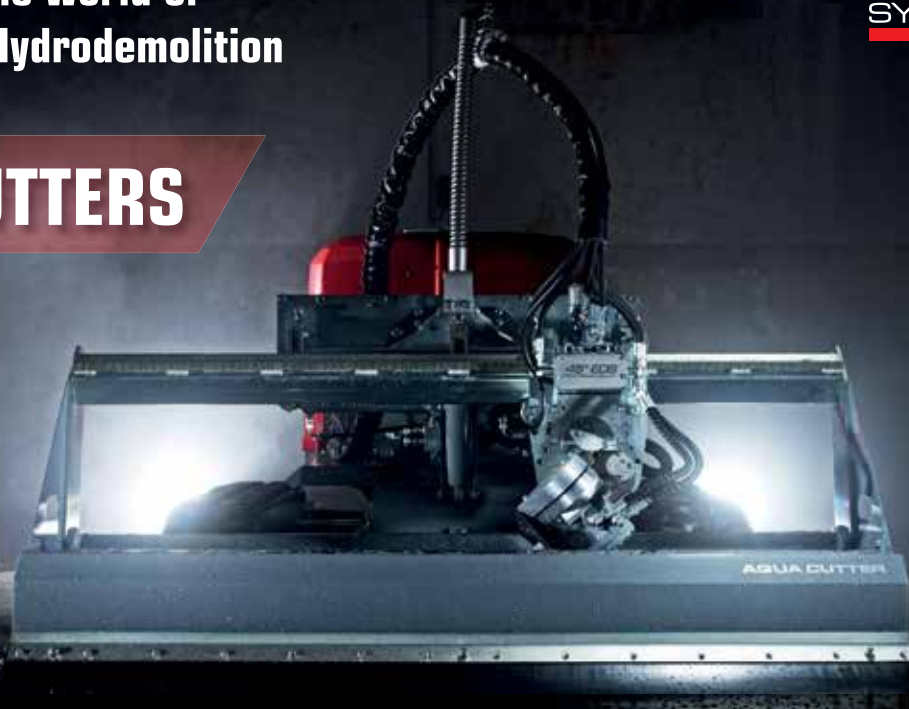
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## Exciting New Doosan Product Display at Bauma 2019

Doosan Construction Equipment will be showing a wide range of new products for the first time at the Bauma 2019 exhibition. The new products include the Stage V DX27z, DX35z, DX62R-3, DX63-3 and DX85R-3 mini-excavators, the new DX-250WMH-5 25t material handler, the new Stage V DX300LC-7 30t excavator, the new DX800LC-5B 80t excavator and new 30t and 40t class Stage V-compliant articulated dump trucks (ADTs). Doosan will also be showing the company's new DL280-5, DL420CVT-5 and DL580-5 wheel loaders for the first time at Bauma.



## Aquajet Introduces Versatile Super Lance 3000

Aquajet Systems AB introduces the Super Lance 3000, a new, more versatile lance system for its Aqua Cutter hydrodemolition robots. Unlike the previous lance system, which required switching lances depending on the pressure, the Super Lance is capable of handling any pressure up to 43,500 psi (3,000 bar). Contractors no longer need to keep as many parts on hand or spend valuable time swapping out components. The system is highly modular, allowing for the best configuration for any job. Standardized ends allow components to attach in any direction. For example, if the nozzle needs to enter a narrow space it can be mounted in a 90-degree elbow. The system also includes uniform threads and seals — regardless of configuration — and multiple fittings for different hoses, making the attachment compatible with any Aqua Cutter on the market. The uniform threads also mean less need for adaptors, which can lead to a risk of leaks if used. Aquajet improved performance in the Super Lance by manufacturing it with a .5-in (13-mm) bore-through hole and no change in diameter, helping water enter the nozzle without turbulence and not lose power. The Super Lance also includes several longevity improvements. The lance itself is lined with ceramic, reducing wear on the lance as it protrudes through the protective rubber

## New CAT Multi-Processor Feature Quick Change Jaws and More

Three new Cat MP332, MP345, and MP365 Multi-Processor models are heavy-duty, high-production tools that accept multiple interchangeable jaws for taking on a variety of specialized demolition tasks. The new models, compared with previous models, can cycle 50% faster and generate up to 19% greater cutting/crushing forces. An innovative locking system enables a single operator to typically change jaw types in 15 minutes or less, using only standard hand tools. An built-in stand securely and stably holds unused jaw sets.

Types of specialized jaws available include:

- Concrete Cutter - outer jaw cracks concrete, inner jaw shears steel
- Demolition - cracks thick concrete structures
- Pulverizer - crushes concrete, separates rebar
- Shear - cuts structural steel, pipe, cable
- Tank Shear - cleanly cuts tanks or plate steel at right angle on three sides
- Universal - cuts steel and crushes concrete

The new multi-processor models are designed with "speed-booster" technology that automatically shifts hydraulic action between force (boost mode) and speed (speed mode) as operating conditions vary, resulting in optimum efficiency and productivity. Under no-load conditions, the speed valve allows high hydraulic flow to rapidly open the jaw or close it to contact. At material contact, maximum cutting/crushing force is applied. Depending on the multi-processor model and jaw being used, forces range from approximately 460 to 1,270 tons.

The design of the new models results in greater power when installed on small excavators, and the balanced design also keeps the center of gravity close to the host machine. As an added benefit, ontool programs for the tools are incorporated into the operator displays of Cat Next Gen



excavator models. To ensure long-term durability, jaws are protected with easily replaced wear parts. An armored cylinder rod and a protective structure for the main body of the cylinder ensure that this critical component is kept from harm even when the jaw is deep into debris. Most cutting blades can be flipped in two ways, allowing four cutting edges to be used before replacement is required. This design lowers operating costs and keeps service time to a minimum.

### Technical Specifications

	MP332	MP345	MP365
Carrier weight, tons	32-50	45-65	65-90
Concr. thick, in. (mm)			
Concrete Cutter	29.5 (750)	33.5 (850)	39.4 (1,000)
Demolition	33.5 (850)	37.4 (950)	43.3 (1,100)
Pulverizer	27.6 (700)	29.5 (750)	39.4 (1,000)
Universal	27.6 (700)	27.6 (700)	27.6 (700)
Metal thickn, max, in. (mm)			
Shear, I-Beam	17.7 (450)	19.7 (500)	23.6 (600)

[www.cat.com](http://www.cat.com)

below the hydrodemolition robot's hood. It is also thinner, meaning less wear on the rubber. Aquajet billet machined all pressure parts and added a longer lasting wear cap.

The Super Lance is equipped with Aquajet's unique ceramic nozzle specifically designed for demanding hydrodemolition applications. The highly-efficient nozzles last up to 350 hours, depending on the water quality. Now standard on Aqua Cutter robots, the Super Lance 3000 can be ordered as a kit for equipment retrofits.

[www.aquajet.se](http://www.aquajet.se)





# FOR EFFICIENT DEMOLITION!

## JR RAMON Demolition invests in OilQuick products

The OilQuick quick coupler system enables the operator to change quickly between various mechanical and hydraulic attachments from inside the cab.

JR RAMON Demolition, with 70 employees, recently added OilQuick quick coupler to its 80,000-pound excavators.

"Within two months of adding these couplers, I noticed the increase in production. These couplers have changed the way we look at a project and have increased our efficiency on the job."

*Timothy Ramon,  
President at JR RAMON Demolition, Texas*

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- Always the right attachment for the job.
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- Eliminates oil spills.
- Protected hose run.
- Improved safety.



## New Genesis Razer X Multi-Jaw Demolition Tool Features Fast, Fully-Automated Jaw Change-Outs

The new Razer X Multi-Jaw Demolition Tool (GRX) from Genesis Attachments enables excavator operators to change jaw sets in less than two minutes, without leaving the cab. The attachment body contains hydraulically-actuated pins that connect to the cylinder and jaw set. This enables the operator to change jaws without assistance, making change-outs faster and safer.

The Razer X is available with cracker and shear jaws to process a variety of materials. Each GRX jaw set comes with its own stand specifically designed for correct positioning and efficient handling. Additionally, the GRX features bolt-on and reversible wear parts to simplify maintenance, and a



flat-top head with bolt-on bracket makes it easy to change lugs for different carriers.

[www.genesisattachments.com](http://www.genesisattachments.com)

## GSSI Showcases Latest GPR Technology at World of Concrete

GSSI, the world's leading manufacturer of ground penetrating radar (GPR) equipment, highlighted its latest GPR technology at the 2019 World of Concrete. Products on display included the StructureScan Mini XT, the newest generation of GSSI's popular all-in-one concrete inspection GPR system. Rugged, compact, and flexible, Mini XT is ideal for locating rebar, conduits, post-tension cables, and voids. The Mini XT can help identify structural elements, including pan decking and concrete cover, and can also provide real time determination of concrete slab thickness. It features an intuitive touchscreen interface and six-button control options.

Also on display was the Palm XT Antenna, a miniaturized GPR antenna

designed to greatly enhance the capabilities of the StructureScan Mini XT. The handheld Palm XT antenna turns a basic Mini XT into an advanced system by giving users unparalleled access in tightly spaced areas and enabling over-head scanning.



GSSI also featured the UtilityScan GPR system, a compact unit that makes it extremely portable and easy to maneuver in tight survey areas. This model sets a new standard in performance and price. UtilityScan features a robust new wireless antenna that can handle required data rates and is ruggedly built to withstand challenging field conditions. The electrical design uses GSSI's patented Hyper-Stacking technology, which has proven to increase depth penetration in challenging soils while also providing high near surface data resolution. The unit also has a backup Ethernet connection if Wi-Fi is not desired or allowed at a particular jobsite or facility. The UtilityScan can also be equipped with the LineTrac™ accessory, which helps locate specific power sources situated underground, including AC power and induced RF energy present in conduits.



## New Cat C13B Engine

The new Cat C13B leverages a proven, reliable core engine with design improvements to create customer value, allowing OEMs to downsize their engine platforms, lower installation costs and maximize uptime. The 12.5-liter engine features a patented non-EGR aftertreatment system to meet EU Stage V and U.S. EPA Tier 4 Final emission standards and is available in multiple power ratings from 456 hp (340 kW) to 577 hp (430 kW) with peak torque reaching 1,943 lbft (2,634 Nm).

The new engine offers peak power across a wide speed range enabling OEMs to optimize machine performance based on their application needs, with high torque rise for excellent load acceptance. The new aftertreatment system utilizes diesel oxidation catalyst (DOC), diesel particulate filter, and high-efficiency selective catalytic reduction (SCR) technologies, eliminating the need for exhaust gas recirculation.

The Caterpillar patented design technology delivers a compact, lightweight system that is 63% lighter and a 65% smaller than its current equivalent. Features such as integrated NO sensors offer a 50% reduction in customer interface connections, optimizing component packaging and integration requirements. Aftertreatment regeneration is transparent to the operator without impacting machine performance, offering maximum uptime.

The C13B is fully configurable with a wide variety of factory installed options that allow a choice of transmission interfaces, rotating electrics and many other machine interfaces. The C13B will be available with engine-mounted aftertreatment and installed radiators from the factory, offering plug-and-play solutions that minimize machine design, validation, and installation costs.

[www.cat.com](http://www.cat.com)





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## HTC Launches New Range of Machines for Smaller Grinding Jobs

HTC is launching a new range of smaller floor grinders and dust extractors under the concept name of START & GRIND. Simple, robust, and easy-to-operate, these entry-level machines are especially suitable for floor preparation and can tackle anything from edge grinding to polishing medium-sized surfaces. These machines have been engineered for use by anyone whose experience of floor grinding is limited, but who wants to get started right away. This makes them ideal rental equipment. A special focus has been put on ease of handling and transportation as well as user safety.

Machines in the new range include:

**HTC 280**  
Efficient grinder with an integrated edge grinding feature

**HTC 400**  
Powerful grinder with a large grinding disc and high grinding capacity

**HTC 450**  
Versatile planetary grinder with three counter-rotating grinding heads

**HTC D10**  
Light dust extractor that is ideal for handheld grinders

**HTC D20**  
Powerful dust extractor recommended for use with the HTC 280 and 450

**HTC D30**  
Very powerful, single-phase dust extractor with three large vacuum motors

**HTC PS30**  
Pre-separator that separates large particles that can occur during floor preparation

The grinding machines feature a folding chassis that can also be separated from the grinding head to make transportation easier. They are also fitted with floating covers for efficient dust collection, and an hour counter

to clock the machine's total operating time. All the dust extractors have a HEPA H13 filter, which captures the finest dust particles. They also carry H Class certification, the highest international standard for testing wet and dry vacuum cleaners.

"We are delighted to be able to offer our customers this new range of practical and robust entry-level machines," says HTC spokesperson Cathérine König. "These high-performance machines are manufactured to exacting safety standards and you can feel their quality when working with them. I'm therefore certain they'll be greatly appreciated by our customers."

START & GRIND models replaces the HTC Greyline™ range, and are now available worldwide.

[www.htc-floorsystems.com](http://www.htc-floorsystems.com)



## US Construction Employment Reaches 11-Year Peak

Construction employment in the U.S. increased by 52,000 jobs in January 2019, capping a year-long increase of nearly 340,000 jobs, according to an analysis of new government data by the Associated General Contractors of America. The latest reading on construction spending also showed moderate increases in all major categories. Construction employment totaled 7,464,000 in January, the most since January 2008. A

report on construction spending showed an increase of 0.8% from October to November and 4.5% year-to-date for the first 11 months of 2018 combined compared to the same period in 2017. Year-to-date spending rose by 3.9% for residential construction, 3.5% for private nonresidential construction, and 7.0% for public construction.

Average weekly hours in the industry increased to 39.9 hours in January, the

highest since the series began in 2006. Average weekly hours of production and nonsupervisory employees, a series that dates back to 1947 and covers construction trades, set a record of 40.6 hours.

Meanwhile, the unemployment rate for jobseekers with construction experience in January was 6.4%, down from 7.3% in January 2018. In a survey the association released in January, more contractors report-

ed they expect the dollar volume of projects available to bid on to expand than to shrink in 2019 in each of 13 project categories. In addition, 79% of construction firms reported that they expect to add employees in 2019. However, approximately the same proportion reported they were having trouble filling some positions. Sixty-eight percent said they expected that hiring would remain difficult or become harder.





## Green Cut Early Entry Saws

The SRX saws feature an "upcut" blade rotation which facilitates in keeping debris out of the joint and a skid plate that minimizes joint chipping and spalling.

### SRX-150 Early Entry Saw

The SRX-150 uses a 6-3/8" triangular shaped arbor blade, providing a 1-1/8 depth of cut.

- Honda GX160 Cyclone Air Filtration engine

### SRX-2000 Early Entry Saw

The self-propelled SRX-2000 uses a 10" triangular shaped arbor blade, providing a 1-5/8 depth of cut.

- Honda GX270 Cyclone Air Filtration engine, available with pull or electric starter



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## THREE NEW FEATURES FOR USER SAFETY

### INTERFACE

The new interface is developed for work at a safe distance. You operate the robot through the interface on the robot or on the remote control box. They are identical. The interface consists of two separate parts, one focused on operation and the other focused on service. The settings are easy to reach with just a push of a button.

### COLOR DISPLAY

The color display located on the robot is a 7" screen with a resolution of 800 x 480 px. It has nine push buttons and a rotary encoder. One of the most important updates is that you maneuver between controls and options using a rotary encoder instead. The color display will be available on all of Conjet's 7 series robots.

### REMOTE CONTROL BOX

The remote control box, Conjet Color Display, is equipped with a 4.3" LCD color display with 2 mm thick, protective Gorilla glass and a resolution of 480 x 272 px. It utilizes the surrounding light to give a sharp and clear image in more difficult environments. The technology is developed to be electricity-saving. The operator no longer has to be close to the robot during operation. Instead, the operator can control every aspect of the hydrodemolition at a safe distance.



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**GERMANY**

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# LaBounty's Mobile Shears Feature World's First Double-Sided, Indexable Piercing Tip



LaBounty, a brand of Stanley Infrastructure, has launched a new generation of mobile scrap shears featuring robust upgrades to the piercing tip, an advanced telematics platform, 10% more cutting force, and a 3-year warranty. The new shear tip maximizes the utility of wear parts by making it indexable, with increased protection thanks to a fully enclosed, double-sided design. This added protection will dramatically decrease routine



maintenance, build-up, and hard surfacing.

This next-generation shear will also feature Stanley Infrastructure's advanced telematics, InSite™, which brings asset tracking and monitoring to the attachment level. The new InSite Utilization Tracker will help LaBounty mobile shear customers better understand how their equipment is being used by tracking idling, cutting, sorting and moving times. In addition, InSite delivers real-time shear data to mobile devices to help customers monitor attachment hours, cycles, location, and health. The new MSD platform now features a 10% increased cutting force at the jaw apex. In addition to the machine uptime savings, advanced monitoring, and increased cutting force, beginning, most LaBounty mobile shears will receive a 3-Year warranty and protection plan as standard equipment.

"At LaBounty, we've been very focused on decreasing the routine maintenance of mobile shears and leveraging technology to increase uptime," says Michael Moriarty, Group Product Manager at Stanley Infrastructure.

[www.stanleyinfrastructure.com/brands/labounty](http://www.stanleyinfrastructure.com/brands/labounty)

news



Rockster's most powerful mobile impact crusher - R1100DS with Duplex System and Double-functional Return / Stockpile Belt.

## Rockster's Commitment to Sustainability on Display at Bauma 2019 in Germany

Rockster's R1100DS, its most powerful mobile impact crusher with the state-of-the-art emission technology, will be showcased at bauma 2019. Along with innovative systems (e.g., duplex operation; double-functional return/stockpile belt), the machine is now equipped with a CAT C9.3B EUR5 engine.

"We have chosen CAT Stage V engine in order to reduce fuel consumption, as well as optimize after-treatment of the exhaust gases," explains Rockster CEO Wolfgang Kormann.

Another development debuting at bauma is Rockster's Machine Monitoring System (MMS), now available for all mobile crushers. Users can find operational and location data about their machine via smartphone, tablet, or notebook computer. The MMS also enables remote maintenance, which minimizes any possible downtime.

Rockster's exhibit will also feature the mobile 2-deck RSS410 scalping screen. Offering the longest screenbox in the compact screening segment, the RSS410 can be used



Rockster RSS410 2-deck scalping screen at the separation of topsoil.



The new multifunction color display with touch-screen user interface.

to pre-screen before the crusher for the production of two additional defined grains, or as a final screening unit after the crusher to separate the crushed product into three final grains. In addition, the RSS410 can be used for separating coal, metal, and topsoil.

That's not all. Rockster is also exhibiting the RST18 track-mounted stacker, which features a 18.2m belt. The stacker makes it possible to increase daily production capacity while at the same time reduce material handling costs. It is available in four different lengths, from 15m to 30m, and is available with Stage IIIa to Stage V engines.

These and other innovations will be on display inside Hall B2, Booth 214, and in the outdoor area in Booths 12B/2 and 12B/6 (near Gate 7).

[www.rockster.at](http://www.rockster.at)

Processing concrete with the R900 impact crusher, and the RST 18 stacker.





# Renewed and Improved from Hydraram



During Bauma 2019, Hydraram will present its completely renewed line of demolition equipment.

The HCC series demolition crushers, HCS series combi cutters, HSS series scrap shears, HFP series concrete pulverizers,

HFP-M series concrete pulverizers with integrated magnet, HRP series rotatable concrete pulverizers and HDG series demolition and sorting grabs have all been updated. The attachments have gained more strength and Hydraram has improved the open/close

cycle times, in part by mounting speed valves on the cylinders. By using hydraulic cylinders with higher working pressures, attachment power has been increased by as much as 35%.

The HCC series features new changeable penetration teeth that were already applied in the HCS series. These teeth have a better penetrating ability in concrete, which has further optimized the crushers cracking force. The new HCC series can be equipped with an automatic lubrication system.

In addition to the standard jaws, high-penetration HPJ jaws have been developed for the HCC series to transfer even more force to the object being demolished. Hydraram HPJ jaws have up to 30% higher penetration force than the standard HCC jaws.

Hydraram developed the HFP series pulverizers with integrated battery-powered 24V magnet. No additional alternator is needed. The magnet function can be switched on by the excavator's operator to easily collect the remaining concrete reinforcement steel at the construction site during concrete crushing. The magnets are equipped with a quick release system, so that the metal is immediately ejected as soon as the magnet is switched off.

The HDG series of demolition and sorting grabs has been extended to 25 models ranging from 165 lb (75 kg) to nearly 3,100 lb (14,000kg) for 1t to 250t excavators. The new HDG series features more power-

ful inner cylinders with end damping, and has only four turn / hinge points and two reinforced rotation motors for greater torque.

[www.hydraram.com](http://www.hydraram.com)



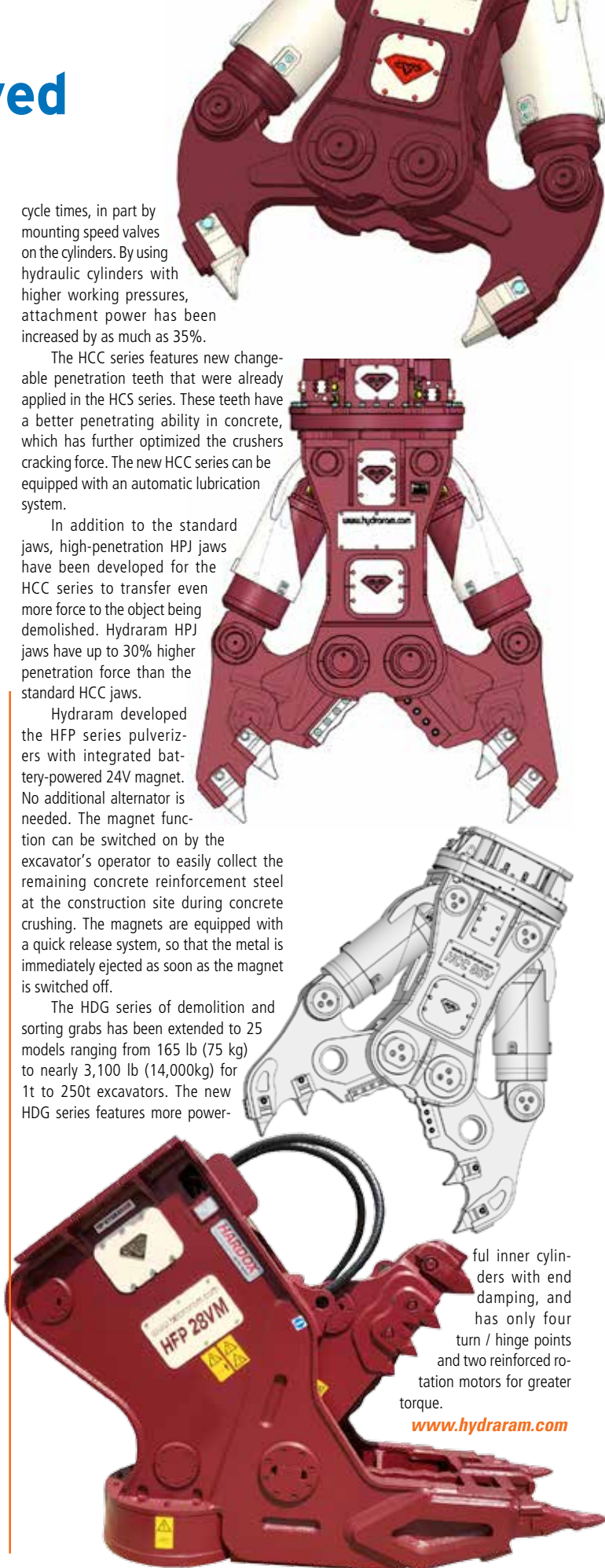
## InSite Provides Real-Time Productivity Data and On-Demand Support for LaBounty Mobile Shears

Stanley Infrastructure's new InSite Utilization Tracker will help users of LaBounty mobile shears better understand how their equipment is being used by tracking idling, cutting, sorting, and moving times. InSite also delivers real-time shear data to mobile devices to help customers monitor attachment hours, cycles, location, and health. That means service intervals can be based on actual shear usage, not carrier hours.

The platform is designed to be retrofitted into most LaBounty mobile shears, and will become standard equipment on most new shears beginning in January 2019.

InSite is also bundled with ProCall, Stanley's virtual service calling platform.

ProCall is an interactive virtual environment for service pros to diagnose issues and provide expert support from anywhere in real time. Technicians can now see exactly what's happening with a shear by taking control of the mobile device in the field and superimposing drawing tools on top of the live video, helping to fix issues hours or even days faster than before.





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# - A Growing Market

The number of applications where the remote control demolition robots are by far the best solution are increasing, and so is also the number of manufacturers.



But the demolition robot manufacturer Brokk has the market in an iron grip. No one can contradict that. During 2018 the manufacturer released four new machines, Brokk 170, Brokk 200, Brokk 300 and Brokk 520D which all have been thoroughly presented in PDA last year. So probably the market is not going to see any new models this year, but you never know with Brokk.

## New demolition attachments from Brokk

In September last year Brokk also released a new line of hydraulic breakers especially developed to fit their wide range of demolition robots. The breaker series BHB contains of eight models from 110 lb (50 kg) to 1,543 lb (700 kg), and will be extended this spring. But the fast flow of new products does not stop here. In April this year at the German megashow Bauma, Brokk will introduce a number of new demolition attachments, including a new range of drum cutters and an upgraded range of demolition grapples. A new concrete crusher from affiliate company Darda will be released as well.

The new drum cutter range is called, BDC (Brokk Drum Cutter). The range starts with the brand new BDC 40 for the smallest Brokk 60 model, BDC 50 and BDC 100 for the mid-range of Brokk robots, and BDC 250 for the biggest Brokk machines. This introduction represents the world's first complete line of drum cutters designed and optimized specifically for use on demolition robots, the result of increased use of Brokk machines in underground and construction sector applications.

The upgraded line of demolition grapples at Bauma includes the new G32 grapple, designed for the most compact Brokk models. The new model features a wider grip of 12.6 in (320mm) and an improved rotating function. Together with its larger sibling, the G50, Brokk has developed a unique solution for "soft demolition" that is optimized for use on Brokk's demolition robots.

Brokk has also invested in developing rock drill attachments for its machines. These are customized and fully inte-

grated with the control and operation of the Brokk robots. Now the range has been extended with the powerful new TE 326 drill attachment used on the new Brokk 300 and Brokk 500 models.

The Brokk-owned Darda GmbH has also upgraded its concrete crusher line of attachments for Brokk robots. The full new range of crushers, including the newly introduced CC440, CC480, and CC580 will all be on display at bauma. These new crushers feature significantly increased performance, with higher crushing power and wider jaw openings. The improvements make it possible to crush thicker and harder concrete slabs, while keeping to the same size and weight segment. The new Darda crushers are also designed to fit Brokk model robots.

[www.brokk.com](http://www.brokk.com)

## Four Husqvarna demolition robots

Although Brokk has proven to an extremely strong and devoted player in the demolition robot sector there are other brands. Husqvarna has a line of four robots that was released some years back and has indeed taken some chunks of a market that is constantly growing in step with new applications. Husqvarna currently has four demolition robots in its range. DXR 140 is the smallest and weighs 2,132 lb (967 kg) followed by the DXR 270 with a weight of 3,858 lb (1,750 kg). The remaining two are DXR 300 at 4,321 lb (1,960 kg) and DXR 310 weighing 4,453 lb (2,020 kg). Husqvarna has so far not announced any new products in this field this year but let's keep the eyes open at Bauma in April.

[www.husqvarnacp.com](http://www.husqvarnacp.com)

## Tecman enters demolition robot business

One of the main sensations at the French show Intermat last year was the entry of France-based attachment specialist Tecman into the demolition robot business with its own in-house developed model. Tecman is a family-owned company with a track record of 25 years. Luc Templier founded it in







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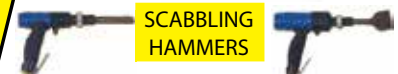
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1993 in Saint Quentin, France to manufacture rock breaker booms (still Tecman's chief specialty), hydraulic hammers, and other excavator attachments. A quarter of a century later, the company evolved into a major player with three integrated factories in France and a dealer network that sprawls over five continents. At Intermat, Tecman's Robot 2500 was a real showstopper. Weighing in at 2,7t, the demolition robot is powered by a 22.9-hp (22-kW) three-phase electric motor. The Tecman OptiStab stabilizer system ensures the machine's stability during operation. The demolisher can carry a 992-lb (450-kg) hydraulic hammer, or 627-lb (305-kg) drum cutter that can be easily exchanged thanks to an Oilquick automatic coupler.

[www.tecman.com](http://www.tecman.com)

### New mini-format demolition machine features unique kinematics

PDA is happy to be the first to announce that German manufacturer TML Technik will launch a completely new brand of demolition robots at Bauma. The new Unidachs 110 has a compact design and a unique 360-degree, endlessly rotatable boom, high maneuverability, and hydraulic drive. Just 64.3 in (1,635 mm) high and only 51.7 in (1,315 mm) wide, the Unidachs 110 is ideal for working areas in tunnels or buildings that are not easily accessible.

The 360-degree boom rotation, combined with the double articulated cantilever boom, offers a very high level of flexibility for attachments such as rotary drum cutters, hydraulic hammers, ripper buckets, ripper hooks, shears, pulverizers, or buckets.

Despite its compact size, the Unidachs 110 has a working radius of up to 16.4 ft (5 m), depending on the attachment. The machines are available with a choice of diesel-hydraulic or electro-hydraulic drives. Diesel engines have either 26kW (EU Stage 3a) or 18.5kW (EPA Tier 4), with a 33.5-hp (25-kW) electro-hydraulic unit. The Unidachs 110 offers maximum safety for the

employees on site and minimizes potential dangers arising, for example, from collapsing walls or falling material. Optional cameras can be installed on the machine.

[www.tml-technik.com](http://www.tml-technik.com)

### TopTec demolition robots

Another time-proven German brand of demolition robots is TopTec. The success story of TopTec Spezialmaschinen in Munich began with the TopTec 1850 E. Since its prototype was introduced in 1999, the TopTec 1850 E was improved step by step and is still the small workhorse and inherent part of the product range. In order to meet the highest standards of quality, the machines are manufactured exclusively in Germany. The TopTec 1850 E remote controlled demolition robot has two supporting beams (separately driven), a three-parted boom and quick-coupler. With its electro-hydraulic output of 24.5 hp (18.5



kW, it can carry tools up to 660 lb (300 kg) and operate complex hydraulic equipment. Today TopTec has seven standard models as well as several tailor-made models made for special purposes. TopTec will exhibit at Bauma in April.

[www.toptec-germany.de](http://www.toptec-germany.de)







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# DESERT

## The 2019 World of Concrete show offers plenty of product news and intrigue about the industry's long-term health.

Blustery winds dominated the opening days of World of Concrete 2019, reflective of the whirlwind of activity at what organizers say was the largest show in more than a decade, and, perhaps, a portent of the uncertainty that awaits North American's construction industry in the coming months. To be sure, optimism was pervasive among the more than 1,500 exhibitors and 60,511 attendees, even if the wintertime Las Vegas temperatures offered only slight relief from snowy, polar vortex conditions dominating other parts of the U.S.

"We're upbeat about the construction market in North American and globally for this year, and 2020 too," observed Henric Andersson, president of Husqvarna's Construction Division, which had its largest new product roll-out in several years. Though Andersson admits some "dark clouds" loom in the form tariff and trade issues, "the foundation is strong."

Those sentiments were echoed by Avi Kahn, president and CEO of Hilti North America, which subsequently reported a 10.4% increase in sales during 2018.

"We continue to invest in productivity features, in recognition of the skilled labor shortage," Kahn said.

Still, there were reminders that a nearly decade-long construction boom in the U.S. may finally be losing some momentum. Stanley Black & Decker, Inc. became the latest major construction equipment manufacturer to pull back profit



The Avant Tecno America team.



The secret ICS Blount/Pentrunder get together backyard at WOC.

estimates for the coming year, a move that could threaten its acquisition of demolition attachment makers Genesis and Paladin, announced last August. On the other hand, market uncertainty hasn't not prevented other types of acquisitions from going forward. Kinshofer celebrated World of Concrete by finalizing its acquisition of Hammer srl of Italy. North America sales manager Dany Martin explained that along with rounding out Kinshofer's tools portfolio, the acquisition is a natural fit between the two companies.

"They have the same approach to quality, and offer every feature that our customers want," Martin says, adding that while the new hammers may not be least expensive on the market, "we can prove that they're worth it."

Among the nearly 260 first-time World of Concrete exhibitors was Avant Tecno USA, Inc., the North American branch of Finnish compact equipment maker. President Jukka Kytomäki explained that after seven years in the U.S., the company is ready



# STORM!



**Connie Johnson, VP of Marketing at National Flooring Equipment with the dust buster Oxysan and a colleague.**



**Dani Planto, Makinex's business development coordinator, with the much talked-about new Portable Power Box.**

to raise its profile in the demolition market, with innovations such as a cab design that places the driver at the front of the frame, thereby increasing lifting capacity, stability, and visibility.

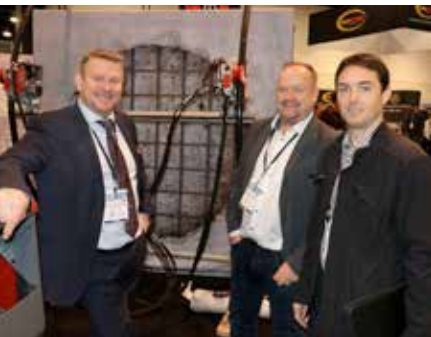
"We see a huge potential in the U.S. market," Kytomaki said. "We offer lighter machines that can do the same job as heavier models, plus the availability of more than 200 attachments." (PDa will feature Avant Tecno USA in an upcoming issue.)

## Abundant automation

Appropriately for its milestone size, World of Concrete 2019 showcased a number of major project announcements. Brokk made its largest-ever North America product launch with a four-model upgrade to its line of remote-control demolition machines. Three machines are electric-powered—the 1.6-ton Model 170, the 2t Model 200, and the 3t Model 300. The largest new entry—the 5t Model 520 diesel—replaces Brokk's Model







**Aquajet System.**



**Brokk.**



**Kinshofer's Brian Bollinger (left) and Dany Martin**



400. All incorporate design improvements such as hardened components and fewer internal electrical connections, which the company says contribute to increased impact power and operational reliability, as well as greater project versatility.

Topping—or in this case, tipping—Brokk's announcement was its new eight-model BHB hammer line, ranging from the 110-lb (50kg) BHB 55 breaker for the compact Model 60, all the way up to the 1,543-lb (700kg) BHB 705 for the recently introduced Model 500 and Model 520D. As with the Brokk machines themselves, the series features a high power-to-weight ratio, with lightweight hammer bodies machined from a solid casting, eliminating side and through bolts, along with side plates found on many other hammer designs. The combination of upgraded demolition robots and custom hammers puts more power in smaller packages, said Peter Bigwood, vice president of Brokk, Inc.

"Now you have a 2-ton machine in the Brokk 200 ideally matched with hammer that might otherwise require the power of a 3-ton machine," Bigwood explained.

Sharing Brokk's spotlight was its hydrodemolition specialist company, Aquajet Systems, which debuted its compact Ergo System for small jobs and confined spaces. Consisting of a 5.6-hp (4.2-kW) controller unit and power head that manipulates a high-pressure lance from a horizontal or vertical frame, Ergo System exerts 225 lb (1,000 N) of reaction force—approximately half that of Aquajet's largest hydrodemolition robot.

"Ergo also eliminates the safety hazards of hand lances, while also providing more consistent concrete removal depths," Bigwood said, noting growing U.S. interest in hydrodemolition has helped Aquajet double its sales over the past two years.

"Aquajet products have brought a higher level of sophistication to water demolition," he said.

Complementing that trend, Conjet AB released a new graphical user interface that simplifies operation of its Conjet 7-series robots. Integrated into both the machine and its remote-control unit, the new interface complements more intuitive controls with instant feedback on specific parameters, allowing operators to optimize energy and water use as operational requirements change during the course of a job.

The theme of automation continued at Hilti's busy outdoor display area with the debut of its DST 20-CA wall saw, the first in its class to have integrated most of its operating electronics into the saw head, which Hilti claims actually weighs less than units with external power boxes. Yet the configuration provides



**Martin Gödickemeier, Hilti, demonstrating the latest wall-saw from Hilti with Cut Assist.**

a 30% increase in power and up to three times the starting torque for the 31-in (800-mm) blade. With a cordless remote control and the integrated CutAssist system, the saw displays cutting depth in real time and operates on a hands-free basis, allowing operators to get started on setting up for the next cut, or perform other tasks.

### Goin' cordless

Battery-powered equipment was another common theme for World of Concrete tool introductions. Hilti's contributions included the TE-300A chipper, and TE 60 A-36 SDS max combihammer, which consistently bested its corded counterpart, the TE 60, in drilling races with 3,300 impacts per minute, each with 8.1 lbf (1.1 kg) of energy.

DeWalt introduced its new FLEXVOLT® 60V DCH773 2-in (51-mm) brushless SDS MAX combination hammer, which achieves 14.3 lbf (19.4 J), and the 20V 1-1/8-in (28.6-mm) DCH263 SDS Plus D-handle rotary hammer, with 2.2 lbf (3.0J) of energy for high-performance drilling and chipping.

Bosch displayed its new Bulldog 18V S26D rotary hammer with kickback control that minimizes sudden tool reactions in bit bind-up situations. Depending on bit sizes, the S26D can drill up to 60 holes on a single charge, thanks to a brushless motor that maximizes runtime. Bosch plans to bring cordless versions of its RH540M and RH745 cordless hammers to the North American market later in the year.

"We won't come out with a new cordless version of an



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**US Saws with Warren Duncan to the right.**



existing tool unless it's better than corded," said Bosch spokesperson Rachael Klein.

Saws too were going untethered, as evidenced by Husqvarna's new K355i 9-in. (228.6-mm) battery-powered power cutter, which at only 7.7 lb (3.5 kg) can even be clipped to an operator's belt. A range of battery types is available to maximize productivity, depending on the number of cuts and type of material. Husqvarna's Andersson says the company has stressed battery-power in its product development because of its growing importance to users.

"If someone can make a good battery-powered cutter, it's us, and we want to show that," he added.

Stihl product manager Tom Techow noted that while the proliferation of battery-powered saws may present competition for established products such as its TS230 cut-off machine, users should carefully consider applications and power availability when comparing products.

"Battery life is more of an academic question that depends on what you want to do," Techow explained, adding that customers should also consider after-sale service and availability of assistance in resolving issues as they arise.

Among more conventional sawing products was Stihl's TS440, introduced last May, with an extended guard adjustment designed for more easily cutting pipes and wall sections, and working in corners. When the guard is in the open position, a gyroscopic sensor-activated brake stops rotation of the cutting wheel within a fraction of a second in the event of a kickback.

US Saws displayed another sawing innovation the SX 13550 "Dust Buggy." Powered by a 7-in. (178-mm) Metabo grinder, the Dust Buggy cleans joints up to 2 in deep, and up to 3/8 in (mm) wide. Standard depth control selections lock every 0.25 in (6.35 mm), but can be fine-tuned to compensate for blade wear.

Brushless motors are likewise making greater inroads in concrete construction tools. Examples included Makita's XDT 16 18V LXT impact driver, which provides 1,600 lbi (180.78 J) of torque in four speed modes, and the XRH12 11/16-in. (17.5-mm) rotary hammer, designed for overhead installation work. Metabo also announced that it would be overhauling its combihammer line with brushless motors. Three rotary models and two chippers will provide users with better control and reduced vibration, a company representative said.

Because battery power can take some tool types only so far, World of Concrete offered some innovative new options for energy. Makinex Construction Products debuted its portable Power Box, a hybrid battery-powered AC generator soon to be available in models from 5.9 hp to 23.6 hp (4.4 kW to 17.6 kW). The Power Box produces pure sine wave power to cleanly run 120V and 240V tools all day. Recharging takes about two hours using conventional power sources, or three hours with an optional solar array attachment.

"The power box is also equipped to handle high-surge loads, which covers a lot of construction equipment," noted Makinex Global Product Manager Jeff Durgin. "It's designed for 10,000 recharge cycles, which will last about 20 years. We warranty the batteries for 10 years."

Also on the generation front, Doosan introduced its G25, G50 and G70 Tier 4-compliant mobile generators, its first equipped with Doosan engines. All three feature increased onboard fuel capacity for runtimes in excess of 24 hours at any load factor. An optional 48-hour runtime solution is available on

the G25 and G70 models. Doosan also debuted a new small air compressor line, including the C185 with 12.6 hours of runtime at 100-percent load, two hours longer than its predecessor model. The C185 offers cold-starting capabilities at temperatures as low as -10° F (-23° C). A Doosan DSN100 airend and a Tier 4 Final Doosan D18 engine deliver 185 cfm of air at a rated operating pressure of 100 psi (6.9 bar).

## Also on the floors

While the gradual maturation of the concrete floor grinding market may have thinned the number of manufacturers somewhat, established firms aren't taking a breather. For example, Superabrasive launched an all-new generation of electric and propane grinders called Lavina Elite. Ranging from 20-in (500-mm) to 38-in (965-mm) models, Lavina Elite features redesigned frames for improved maneuverability and faster tool changes; dust-proof grinding heads that protect internal components from dust and moisture, and integrated weights for adjusting grinding pressure. A new fine misting system suppresses dust particles from .1 to 1000 microns, while the vacuum hose connection has been relocated closer to the dust source, and utilizes a metal camlock attachment. Superabrasive spokesperson Monika Angelova noted that the improvements have been development for some time.

"It's more efficient to introduce them as a complete product line, rather than implementing them piecemeal," she said. "Everything came together in the past year."

Still, there remain opportunities for smaller grinder manufacturers to carve a niche in the market, and help others in the process. Ohio-based Warrior Equipment displayed its new Samson 2618 26.18-in (665-mm) four-head grinder, a 925-lb (420-kg) machine that can cover 100 ft<sup>2</sup> (9.2 m<sup>2</sup>) in three minutes. As with other Warrior products, the 2618 is assembled by wounded U.S. veterans, with a contribution from each sale benefitting the non-profit Wounded Warriors Family Support Project.

Warrior representative Steve Salmons reported that since the product line's introduction last year, Warrior has sold approximately one unit a week. "We've also made some sales at the show," he added. "People are impressed by what the grinder does, and like the idea of helping wounded veterans in the process."

Then, of course, there were the larger machines that capture



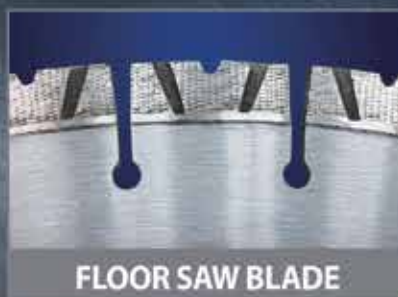
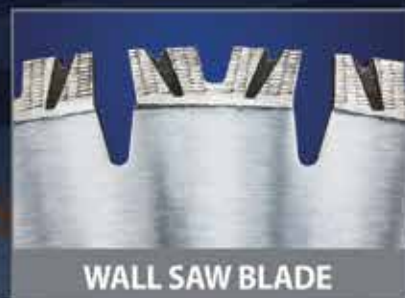
**Nikolay Nikolaev and Svetlana Peneva from Superabrasive.**





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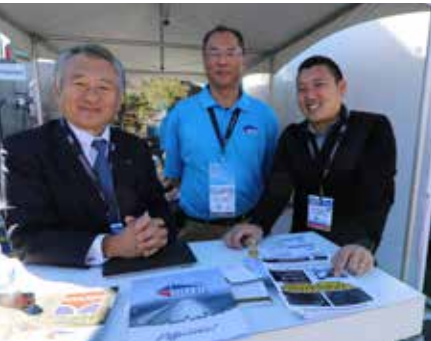
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From the right Brian E. Delahaut, MK Diamond Products and Warren Duncan, US Saws.



From the right Norikazu Shibuya, Koji Sawamoto and Akinori Shibuya from Shibuya Company.



To the left Joe Taccogna, ICS Blunt, with a colleague.

Below the Aztec team.



Klindex team (left to right): Giorgio Mancini, Giammaria Fusti, Alessandro Bibiano and Gerardo Luongo.







The Pentrunder team from right to left: Jenny Muda, Marie Peil, Daniel Andersson and Björn Engström.







Airtec.



From the right to the left, Peter Mitterndorfer and James Snyder from Antraquip.



Parts of the Blastrac team, to the right Rocco Van Vliet.



The Genesis team (second on the right Martin Hartl).



DDM Concut team with Alessandro Ghibaudo from DDM.



Jan Byrresen, Hycon.







Larry Key from Diamond Vantage.



Cardi.



Dave Glynn from US saws.



Ralph Newbigin, Chief Operating Officer with Werkmaster.





the imagination of any World of Concrete visitor. The included Gehl's RT105 track loader, with an operating capacity of 1,050 lb (419.5 kg) and the company's

IdealTrax™ track tensioning system that operates while the engine is on, eliminating the chance of over-tensioning and extending the life of the tracks by up to 15%.

Case also showed its new 55 TV450 compact track loader, a vertical-lift machine with a rated operating capacity of 4,500 pounds (2,041 kg) at 50% tipping load, and 9,188 lb (40,870 N) of breakout force. Wacker Neuson launched its Series II large-frame skid steer and compact track loaders, all powered by 74.3-hp (55.4 kW) diesel engines and auxiliary hydraulic flow of 22.1 gal/min (83.6 liter/min).

The need to better oversight over these and other elements of a concrete contractor's equipment inventory has sparked interest in fleet management services. Provided by manufacturers and third-party providers, these services provide users a wealth of data on everything from where a particular tool is located, to how long it's been used and if it's due for maintenance. Husqvarna became the latest company to join that market, announcing its Fleet Services as part of a larger after-market and connectivity initiative.

"Uptime is critical, so it's critical for contractors and rental companies to become more proactive about preventive maintenance," says a Husqvarna spokesman, adding that Fleet Services can be utilized for all brands of equipment, not just Husqvarna's.

"We understand the information needs of various equipment categories, because we build products for all of them," he says.

As with many other types of technologies, there's often an age-gap of sorts with fleet management systems. "Younger people may 'get it' more than, say, a contractor who's been in the business for several decades," he says, adding that age and habit aren't always an insurmountable barrier.

"They may not initially feel that they need it," he says. "But when they realize they do need it, they want it."

[www.worldofconcrete.com](http://www.worldofconcrete.com)





# Lavina Elite Debuts at World of Concrete

Superabrasive, the manufacturer of Lavina line for concrete grinding and polishing, has launched an all-new generation of grinders called Lavina Elite. The new series includes a complete range of electric and propane-powered grinders from 20 in (500 mm) to 38 in (965mm). There are also two new 25-in and 32-in (635-mm and 813-mm) Remote-Controlled electric models.

Completely redesigned frames provide superior maneuverability and easy tool changes, while dust-proof grinding heads protect internal components from dust and moisture, and increase service life. All models



have updated head locking mechanisms for safer tool attachment.

The Elite grinders also come with integrated weights for adjusting the grinding pressure, an upgraded water pump, and a new dust suppression fine misting system, which effectively suppresses dust particles from .1 to 1000 microns. This approach

avoids the moisture problems of common spray type system used in combination with dust extractors. Users can also have water delivered under the machine for wet applications.

Dust collection on Elite grinders is also improved. The hose connection is now closer to the dust source, and utilizes a metal

camlock attachment. All machines come standard with the new Lavina floating skirt with a flexible brush.

Superabrasive has also implemented other user-friendly features such as adjustable LED lights in the front and back of machine, a phone charging station with a holder and dual USB port 2.0, a durable stainless steel cup holder, and non-marking grey rubber tires.

[www.superabrasive.us](http://www.superabrasive.us)

## Makinex Debuts Portable Power Box

The Makinex Power Box is a silent, emission-free power supply available in several sizes and power configurations. Users will never have to wonder if it will start, run or if you have enough fuel. Users no longer have to worry about loud noise from a portable generator, or if the emissions will make someone ill. A rugged heavy-duty wheel system and lifting eye allows the Portable Power Box to go anywhere. The Portable Power Box is a battery powered AC generator that stores electricity for use when and where power is unavailable. Turn on and plug in; it's that simple. Sizes range from 5.9 hp to 23.6 hp (4.4 kW to 17.6kW). All generate pure wave power, the cleanest power available, to safely run anything from computers to portable air compressors. The Portable Power Box can easily handle high-surge



loads, allowing users to do things not possible on portable generators. Because the Portable Power Box uses batteries, it requires no oil changes, tune-ups, or repairs associated with conventional gas/diesel generators. A smart

phone app allows users to see usage stats, available power, and other valuable data. A locking NEMA3R cabinet ensures outdoor/indoor security.

[www.makinex.com](http://www.makinex.com)



## New RONDA Vacuum and Pre-Separators

RONDA of Denmark will use Bauma 2019 to debut its new 1800H Power, a heavy-duty H-class vacuum cleaner for concrete and other fine/health-hazardous dust. Equipped with the same motor head as the well-known RONDA 200H Power, the 1800H is suitable for cleaning construction sites, as well as a dust extractor in connection with hand tools for cutting and grinding concrete. Other features include soft start, low noise, and a very large, partly self-cleaning teflon-coated multi-tube filter that will last at least three years as well as a valve for filter cleaning during operation. The machine is partly made of conductive materials to ensure discharge of static electricity. The strong metal frame protecting the RONDA 1800H Power together with large wheels make the machine easy to handle and transport even at construction sites. The new RONDA 1800H Power is available in a Longopac version, or with a large metal container releasable with a handle.

RONDA is also introducing the CF 502P and CF 502A heavy-duty cyclone pre-separators for vacuuming large quantities of very fine dust, protecting the filter system of the vacuum cleaner from overload. The standard version RONDA CF-502P is equipped with a plastic container, while the CF-502A is equipped with a metal container to prevent static electricity. Both models offer 1.7 ft<sup>3</sup> (50 liters) of capacity, plus the option of collecting dust directly in the container or in a strong plastic bag.

[www.broendum.com](http://www.broendum.com)





# The NDA *Demo*

**The National Demolition Association's annual convention and trade show, Demolition Rockies, takes place March 22-25 at the Gaylord Rockies Resort & Convention Center in Aurora, Colo.**



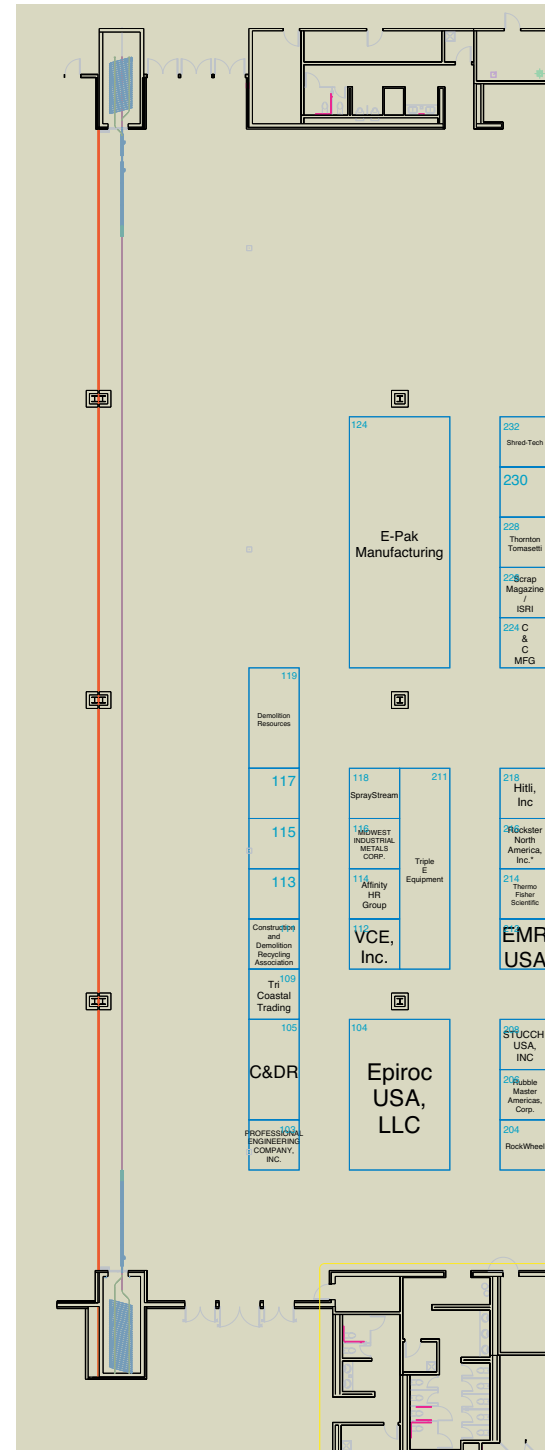
Demolition Rockies features a packed agenda with a number of interesting lectures; the NDA Expo, the biggest ever; and two dates of live demonstrations.

A memorable highlight of Demolition Rockies is sure to be keynote speaker Charlie Morecraft, who worked for 15 years for Exxon Corporation. Having been critically injured in an explosion that burned nearly half of his body, Morecraft conveys, in the most penetrating way, the lesson he so painfully learned. Seldom are people confronted by the real consequences of an abuse in safety practices. Those who listen to Morecraft's talk will be deeply moved and motivated to never again take safety for granted.

As NDA notes, "Charlie's story is a wake-up call that shakes you out of complacency and taking responsibilities for granted. Leave this presentation inspired to handle all aspects of your life with greater awareness and appreciation of safety, whether on the job, at home, or at play."

Other Demolition Rockies events include a plant decommissioning demonstration; NDA's annual membership meeting; Fast and Furious presentations; and a panel discussion called "Managing Demolition Project" which contains perspectives from demolition company owners. The day wraps up with the Colorado Craft Beer reception and the "Colorado Carnival" convention party.

[www.demolitionassociation.com](http://www.demolitionassociation.com)





# Demolition Rockies





## Convention Program 2019

THURSDAY, MARCH 21	
1:00 p.m. - 5:00 p.m.	Pre-Convention Education Course <i>Foundations of Demolition Job Cost Tracking</i>
FRIDAY, MARCH 22	
8:00 a.m. - 5:00 p.m.	Pre-Convention Education Course <i>Foundations of Demolition Risk Management</i>
10:00 a.m. - 11:30 a.m.	Committee Chairs Meeting
11:30 a.m. - 12:00 p.m.	Finance Committee Meeting
1:00 p.m. - 2:00 p.m.	Committee Meetings
2:00 p.m. - 5:00 p.m.	2019 Board of Directors and Annual Meeting of the Board
2:00 p.m. - 5:00 p.m.	Registration Open
5:00 p.m. - 7:00 p.m.	Welcome Reception <i>Sponsored by Lecet</i> <i>Sign ups for Live DEMOlition to take place</i>
SATURDAY, MARCH 23	
8:00 a.m. - 7:00 p.m.	Registration Open
8:30 a.m. - 4:30 p.m.	Shuttles to/from offsite Live DEMOlition Event
10:00 a.m. - 4:30 p.m.	Offsite Live DEMOlition Event and Lunch <i>Sponsored by Liebherr</i>
6:15 p.m.	Ribbon Cutting Ceremony
6:30 p.m. - 8:00 p.m.	Expo Open
7:00 p.m. - 10:00 p.m.	Texas Hold 'Em Tournament & Casino Night <i>Sign up here for a seat in the tournament</i>
SUNDAY, MARCH 24	
8:00 a.m. - 5:00 p.m.	Registration Open
9:00 a.m. - 10:30 a.m.	Buffet Breakfast
9:00 a.m. - 10:30 a.m.	Opening Keynote Presentation and Breakfast <i>Sponsored by Volvo Construction Equipment</i>
10:30 a.m. - 5:00 p.m.	Expo Open
10:45 a.m. - 12:15 p.m.	Utility Plant Decommissioning and Demolition Panel Discussion
12:00 p.m. - 1:30 p.m.	Lunch Buffet in Expo
1:00 p.m. - 1:30 p.m.	Annual Membership Meeting
1:30 p.m. - 2:15 p.m.	Fast and Furious Presentations
2:30 p.m. - 4:00 p.m.	Managing Demolition Projects: Perspectives from the Owners' Consultants Panel
4:00 p.m. - 5:00 p.m.	Colorado Craft Beer Reception <i>Sponsored by Earth Services &amp; Abatement</i>
6:30 p.m. - 10:30 p.m.	Colorado Carnival <i>Sponsored by LaBounty</i>
MONDAY, MARCH 25	
9:00 a.m. - 4:00 p.m.	Registration Open
10:00 a.m. - 3:00 p.m.	Expo Open
10:30 a.m. - 11:30 a.m.	Doing Business with the USACE
12:00 p.m. - 1:30 p.m.	Lunch Buffet in Expo
1:00 p.m. - 1:30 p.m.	Education Session - Information Coming Soon!
1:45 p.m. - 2:45 p.m.	Fast and Furious Presentations
6:00 p.m. - 8:00 p.m.	Annual NDA Awards Banquet

*\*This schedule is tentative and is subject to change.*

## Exhibitors at the NDA Expo 2019

Affinity HR Group	CATERPILLAR INC.
All American Recycling	Cohen
Apollo General Insurance Agency, Inc.	Company Wrench, Ltd.
Arden Equipment	Construction and Demolition Recycling Association
BD ELECTRICAL, INC.	Cro Software Solutions
BENLEE, Inc.	Demolition & Recycling International
BossTek	Demolition Resources
Breaker Technology LTD.	Destination NDA
Brokk Inc.	Detroit Edge Tool Company
Buffalo Turbine LLC	Dykon Explosive Demolition Corp
C & C MFG	Eagle Crusher Company, Inc.
C&DR	

EARTH SERVICES & ABATEMENT	NorthStar Demolition and Remediation
Ecovolve	OilQuick USA
Electric South	Okada America, Inc
EMR USA	Pemberton
E-Pak Manufacturing	PowerTrac Machinery
Epiroc USA, LLC	Professional Engineering Company, Inc
FieldFlo	Ramco Construction Tools, Inc
GENESIS ATTACHMENTS	Rapid Recovery
Gensco Equipment, Inc	Rockster North America, Inc
Hiltii, Inc	RockWheel
HKD Blue	ROMCO
HKX Inc	Rubble Master Americas, Corp.
HUSQVARNA CONSTRUCTION PRODUCTS	RUCKUS
HyrdauliCircuit Technology	SA Recycling
INDECO North America	Scrap Magazine/ISRI
Insurance Office of America	SETCO SOLID TIRE & RIM
Interstate Refrigerant Recovery, Inc	ShearCore BladeCore
J & J Contracting	Shred-Tech
Jewell Attachments	Sierra Intl Recycling & Demolition
Kinshofer, USA	SprayStream
KOBELCO Construction Machinery USA	Steelwrist Inc.
KOMATSU America Corp.	STUCCHI USA, INC
KPI-JCI and Astec Mobile Screens	Sunbelt Rentals, Inc
LaBounty	Superior Tire & Rubber
LBX Company LLC	Thalheimer Brothers
Lecet	Thermo Fisher Scientific
Liebherr	Thornton Tomasetti
Midwest Industrial Metals Corp.	TreviBenne
Moley Magnetics, Inc	Tri Coastal Trading
National Attachments, Inc.	Triple E Equipment
National Construction Rentals	VCE, Inc.
National E and S Insurance Brokers	Volunteer Equipment & Supply
National Flooring Equipment	Volvo Construction Equipment NA, Inc.
New Millenium Rentals	Winkle Industries
	Yellow Tag Auctions



# New Scrap Shears From Caterpillar



Caterpillar Work Tools has expanded its range of excavator attachments with three new scrap shear models - S3015, S3025, and S3035. Designed for hydraulic excavators with operating weights between 8t and 40t, the new shears feature a dual offset apex jaw design, resulting in increased cutting performance and efficiency. The new patent-pending bolt on the piercing tip of the upper jaw further enhances productivity when piercing is required, protecting the moving jaw and shielding parent metal from wear as the moving jaw travels through the lower jaw. Structural reinforcements more effectively distribute the shear's cutting forces, and the apex jaw design, coupled with a larger jaw opening, results in greater cutting strength, especially when cutting profiles.

The fully protected reverse cylinder allows a slim profile that improves visibility and maneuverability in tight spaces. Knives and guide blades have four cutting surfaces that can be rotated before replacement is necessary, while a heavy-duty pivot group can be tightened with standard tooling to keep the jaws aligned as wear occurs.

The new maintenance-friendly shears have serviceable swivel and pivot group, which also reduces downtime. The operator can adjust side play in the field without the need for special tooling by only

tightening the pin. The greasing of the shear, including stick cylinder and boom pin, can be done from ground level, making this work safer.



[www.cat.com](http://www.cat.com)

## Scanmaskin World Series Make Concrete Floor Polishing Easy

When it comes to polishing a floor, there are two important things to remember. These are to set the customers' expectations and start with the end result. But many contractors don't know what polished concrete is, and the steps to create the expected end result. Scanmaskin created a simple step-by-step guide to facilitate the process of polishing a concrete floor via its World Series System, a premium selection of products focused on quality, service and reliability. Called, "How to Get a World Series Floor," the guide combines the results of Scanmaskin's extensive testing, together with a complete range and explanation of the tooling need for the job. The easy step-by-step guide helps contractors achieve the ultimate finish every time. Following on 2018's release of the Scanmaskin 32 and Scanmaskin 28 machines, the company has worked with its customers to create a complete World Series tooling system spanning metals, ceramics, and resins.

The focus of the World Series Metal tools has been to achieve maximum productivity while providing good longevity.

The W-shaped segments increase the airflow around the tool, which helps prevent overheating and glazing. This ensures better longevity and higher productivity for the tool. The

World Series metal tools are available in four different bonds for soft, regular, hard, and super-hard floors.

There are both single and double tools and all are available in four different grits: 16/20, 30/40, 60/80, and 140/150.

The World Series ceramic tools are specifically designed to transition from a



metal diamond to a resin polishing tool. The unique low-profile design and high crystal density allow these tools to contour to the surface while achieving maximum refinement at the same time. The World Series ceramics can also be used as the first step for a cream or salt/pepper finish, eliminating the need for a metal tool. Soft and Medium bonds are available for different concrete hardness, and all feature very high diamond concentrations. Five grits are available: 50, 80, 100, 200, and 400. The World Series resins are designed to achieve the final mechanical refinement on the surface, using diamond powders bonded in a resin matrix. The World Series resins are engineered to transition from a honed surface to a highly polished surface with minimal steps. Seven grits are available: 50, 100, 200, 400, 800, 1500, and 3000.

[www.scanmaskin.com](http://www.scanmaskin.com)

## STIHL Cut-Off Machine Safety, Maintenance and Operation DVD

U.S. operators of STIHL Cutquik® cut-off machines can benefit from supplementary, professional training from the convenience of their home or office with the STIHL Cut-Off Machine Safety, Maintenance and Operation DVD. This informative video is the second in a series of safety, maintenance and operation videos produced by STIHL, and was developed as a resource for even the most experienced user to help reduce the risk of on-the-job injuries. "This 'basic training' video is not only for the new user, but also for the seasoned veteran," said national training manager for STIHL Inc., John Keeler, who produced the video. "The DVD is designed to help train users of all handheld cut-off machines to properly

operate the equipment in a proper manner."

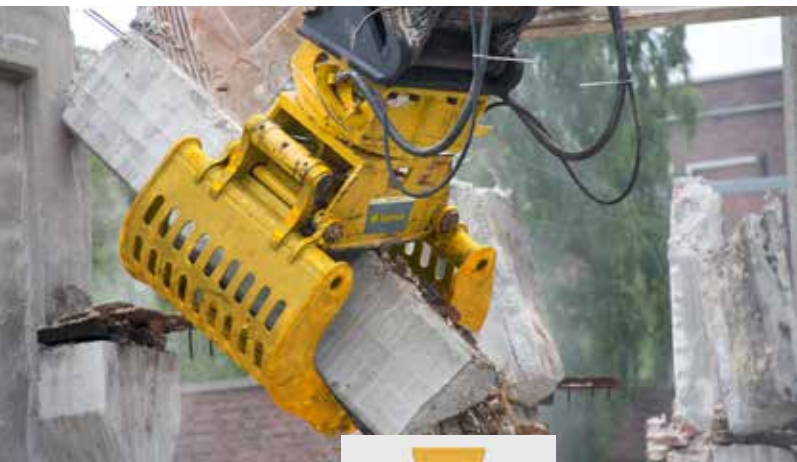
The 45-minute instructional video is a complement to the product instruction manual and is broken into eight chapters: Cut-Off Machine Features, Understanding Authorized Wheels, Personal Protective Equipment, Transporting Your Cut-Off Machine, Pre-Use Inspection and Maintenance, Fueling Your Cut-Off Machine, Starting Your Cut-Off Machine, and Using Your Cut-Off Machine.

[www.stihlusa.com](http://www.stihlusa.com)





# News From Epiroc



In conjunction with Bauma 2019 in German, Epiroc has developed several new products designed to help customers meet future demands while saving time and money. Epiroc has expanded its hydraulic attachment line by adding pulverize jaws for the CC 3100 combi cutter, the first of several innovations to be introduced in 2019. Fitted with Epiroc's



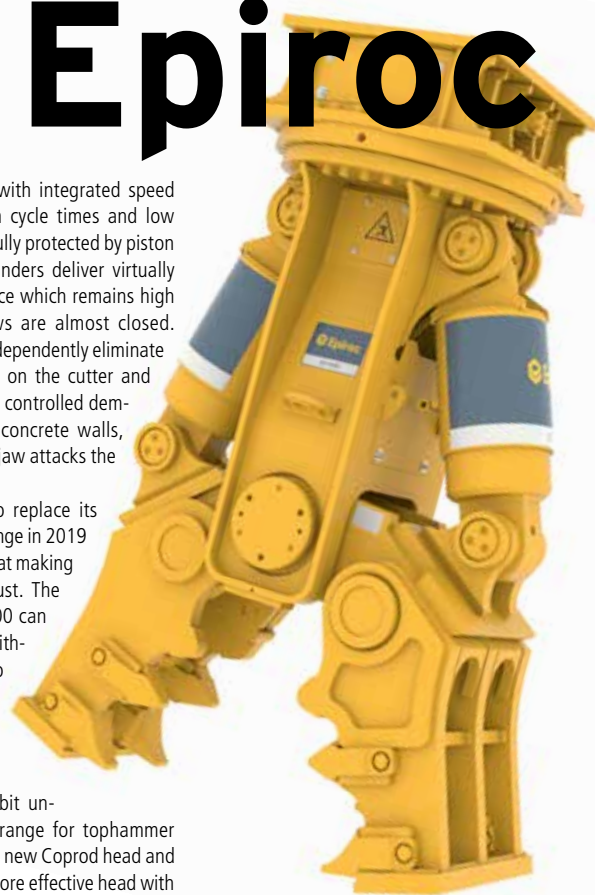
coupling and positioning system (CAPS) which makes it easy to switch between jaw types on site to suit the work at hand, the full jaw range consists of universal (U), steel cutting (S), and pulverize (P) jaws.

In addition, a new CC 1600 combi cutter model designed for carriers in the 13t-23t class features two powerful

hydraulic cylinders with integrated speed valves for minimum cycle times and low fuel consumption. Fully protected by piston rod guards, the cylinders deliver virtually constant closing force which remains high even when the jaws are almost closed. Two jaws moving independently eliminate displacement forces on the cutter and the carrier, ensuring controlled demolition of unstable concrete walls, regardless of which jaw attacks the material first.

Epiroc will also replace its MG multi grapple range in 2019 with features aimed at making the tools more robust. The first model, MG 1000 can be ordered with or without rotation device to enable operation of the base units in combination with tiltrotators.

Epiroc's Powerbit underground drill bit range for top hammer drilling now features new Coprod head and bit technology—a more effective head with fewer parts. For drillers, this means easier handling, better hole quality, increased penetration rates, lower fuel consumption,



and greatly improved productivity.

[www.epiroc.com](http://www.epiroc.com)

## Erkat Remains a Byword for Quality and Forward Thinking in 2019



Erkat has been renowned within the industry for its robust, high-quality special cutter attachments for almost 20 years. Now integrated into Epiroc, Erkat is looking to expand upon its leading position once again in 2019. Among the initiatives is a sustainable solution to the problem of fine dust pollution on construction sites.

This effort has already produced an innovative dust extraction system for rotary drum cutters. Erkat's solution sprays water onto the drum cutter, which can also be retrofitted. The water spray is applied directly to the cutting head or milling area, with the water supplied via an Erkat pump system. This future-oriented system is already being used successfully with the transverse cutting heads of the ER 100 to 3000 models.

For indoor use where water spraying is not possible, Erkat also offers small drum cutter models with a dust exhaust hood for dry dust collection. This system ensures maximum dust extraction precisely where the dust is produced, and can be mounted to conventional extraction systems.

Erkat is also working on other systems with differing numbers of water nozzles and is producing special modules for specific working conditions. In the cutting head flushing system, for example, the water nozzles are integrated into the rotating cutting head and the water supply is fed via the gear box. Water spraying takes place within the very area in which the bit will be applied.

This innovative system will complement the inherent versatility of Erkat drum cutters, all of which feature a robust design, high load-bearing capacity, low maintenance requirements, easy handling and, most importantly, real cost-effectiveness for duct and tunnel construction, special civil engineering, demolition, trenching, and soil mixing applications. And despite its robust design, ER series drum cutters are amazingly low in vibrations, making it possible to work quietly.

A key feature of Erkat drum cutters is the one-sided mounting of the cutting wheel on opposite from the motor, allowing cutting with a very small side clearance directly against walls or side obstacles. This is



ensured by a standard intermediate bracket that allows the cutter to be turned manually in 22.5-degree increments. As such, making targeted slits in rock, concrete, or asphalt no longer presents any challenge. Users can even execute a continuous 360-degree turn via an additional hydraulically operated rotation module (ERU). This Erkat rotator is designed for particularly tough cutting conditions.

[www.erkat.com](http://www.erkat.com)





GERMAN FACHVERBAND AT THE BAUMA:  
**HALL A1.138**

## PQ6 INNOVATION

PQ6, which enables the drill bit to be changed in seconds without tools, was developed on the initiative of the German Fachverband Betonbohren und -sägen in cooperation with the VDMA association. It enables the mounting and dismounting of a drill bit on the machine by hand, without the use of any tools.

### The properties at a glance:

- simple and fast mounting
- easy loosening of the drill bit without tools
- self-centering thanks to a new 6-fold polygon profile
- high concentricity precision
- backlash-free and vibration-free transmission of high torques
- very short construction and low weight

Switch now and benefit from the efficiency increase in the workflow while reducing the risk of injury! Find out more at the bauma at the booth of the Fachverband or visit one of the participating manufacturers!

[www.fachverband-bohren-saegen.de](http://www.fachverband-bohren-saegen.de)

### PQ6 AUF DER BAUMA:

- ADAMAS, Hall A1.233
- BRAUN Maschinenfabrik, Hall A1.215
- EURODIMA, Hall A1.402
- GÖLZ, Hall A1.449
- Heger, Hall A1.438
- Hydro-Tec, Hall A1.403
- KERN DEUDIAM, Hall A1.422
- LISSMAC, Hall A1.249
- Dr. Schulze, Hall A1.149
- T.D.B.S., Hall A1.100
- TYROLIT, Hall A1.139
- WEKA, Hall A1.113



# The Best in Concrete Renovation Honored at WOC Ceremony

St. Petersburg, FL – The most innovative and challenging projects completed by CSDA contractors in 2018 were recognized during a prestigious World of Concrete ceremony in Las Vegas.

On Wednesday, January 23, 2019, the association hosted the sixth annual Concrete Openings Awards at its booth in the Central Hall of the Las Vegas Convention Center. CSDA Executive Director Patrick O'Brien acted as Master of Ceremonies while the association's vice-president, Matthew Finnigan, presented the awards to the winners. World of Concrete attendees and members of the industry media joined CSDA to celebrate with the winning contractors. The winners are:

innovation, degree of difficulty and quality requirements. Details and images of the winning projects are displayed during the awards ceremony and for the remainder of the exhibition.

"It is a privilege to participate in the judging of the Concrete Openings Awards. I am still fascinated by the ingenuity and commitment of my fellow CSDA contractors. I find that I place myself alongside them when evaluating their projects. Although quality is a prime factor in a successful project, I enjoyed exploring the innovations, planning and complexity of the projects that were presented this year. CSDA contractors continue to set the bar higher and higher with their commitment to their clients."

**Company Name**  
**Atlantic Concrete Cutting**  
(Mount Holly, NJ)

**Category**  
**Road, Bridges & Airports**  
Four-Billion Dollar Tappan Zee Bridge Demolition Project

**Donley Concrete Cutting Com.**  
(Pickerington, OH)

**Building Construction**  
Historic Church Renovation and Reinforcement Project

**Cuts, Inc.**  
(Knoxville, TN)

**Industrial Renovation**  
Custom Fabricated Table Created to Assist with University Research Project

**Cutting Edge Services**  
(Batavia, OH)

**Infrastructure Renovation**

**Advanced Concrete Sawing**  
(St. Paul, MN)

**Red Rock Hydroelectric Dam Project**

The inaugural Concrete Openings Awards ceremony was held in 2014 to showcase the best projects covered in CSDA's official magazine and recognize the contractors who performed the work. Sixteen job stories are split into four categories and put before a panel of judges. The panel scores each job on its pre-planning, use of

said Ted Johnston, CSDA Past President and member of the judging panel.

For more information about the awards ceremony, additional photos or any of CSDA's other events held at World of Concrete 2019, email [erin@csda.org](mailto:erin@csda.org) or call 727-577-5004.

[www.csda.org](http://www.csda.org)

## 10,000 Bobcat E10 mini excavators in 10 years



The 10,000th E10 1t mini excavator rolled off the Bobcat production line in 2018 in its 10th year of production. The E10, now renamed the E10z, has proved to be ideal for a variety of applications including rental, construction, demolition, refurbishment, landscaping, trenching and drainage work.

[www.bobcat.com](http://www.bobcat.com)



## Triple E Equipment Announces New Dealers in US and Canada

Pompano Beach FL, March 8, 2018 – Triple E Equipment continues its upward trend of rapid expansion with the addition of several new dealers and rental houses within the first few weeks of 2019.

**Sherpa Equipment now available in 6 new major markets, all before the end of Q1 2019**

As construction continues to expand, the need for end users to have additional battery powered equipment options is becoming a requirement for rental operations throughout North America.

"As the demand for fume free equipment increases, so does our reach around the world" said President and CEO Alex Berg. "We've been able to secure new dealerships and rental houses in several key markets since the beginning of this year."

### New Dealers and Rental Locations

As winter starts to come to an end and construction starts to pick back up, Triple E Equipment will be sending out battery powered equipment to several new dealerships.

### Canada

**Stephenson's Rental Services**  
Toronto (ON)

### United States

**Franklin Equipment**  
Nashville (TN), Milwaukee (WI), Indianapolis (IN), Groveport (OH)

**Northside Tool Rental**  
Atlanta (GA)

**Rental Works**  
Annapolis (MD), Baltimore (MD), Washington DC

**Taylor's Equipment Rental**  
Dallas/Ft Worth (TX)

**PDQ Rentals**  
Los Angeles (CA)

Triple E Equipment continues to provide the exceptional customer service that has been a focal point of the company since its inception. The company strives to create safe and energy efficient equipment that benefits the companies using them as well as the environment.

[www.e3equipment.com](http://www.e3equipment.com)





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**6-10 HF Wall Saw**



**8-20 HF Wall Saw**



**CBK HF Wall Saw**



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