

# PROFESSIONAL p o o o WORLD OF CONCRETE AMERICAS

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Dec 2022 - Jan 2023

**WORLD OF  
CONCRETE®**  
**SHOW ISSUE 2023**

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

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**DEMTECH Trade**  
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## Professional Demolition Americas Magazine

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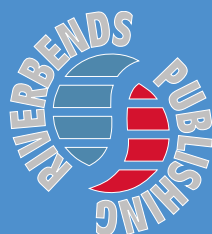
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# The Road Taken

If you're traveling to Conexpo this spring, finding a place to stay shouldn't be much of a problem. That's not the case with Bauma. Despite being Germany's third-largest city, Munich lacks Las Vegas's volume of accommodations. So unless one wants to pay top-dollar (or top-euro), Bauma visitors often secure lodging at inns and guesthouses further out of town, and rely on the region's excellent transit system to reach the show and other city attractions.

Although that can mean long days of commuting and a curtailed social calendar, the trade-off is an opportunity for a unique, even enriching experience not typically offered in a U.S.-branded hotel that, apart from bi-lingual guest information cards, could be anywhere.

Even though my accommodations for Bauma 2022 were located in a village so far south of Munich that I could almost see Austria, I found it to be quite familiar, for it turned out to be an area where my father's Army battalion—the 290th Combat Engineers—had almost certainly been during the closing weeks of World War II.

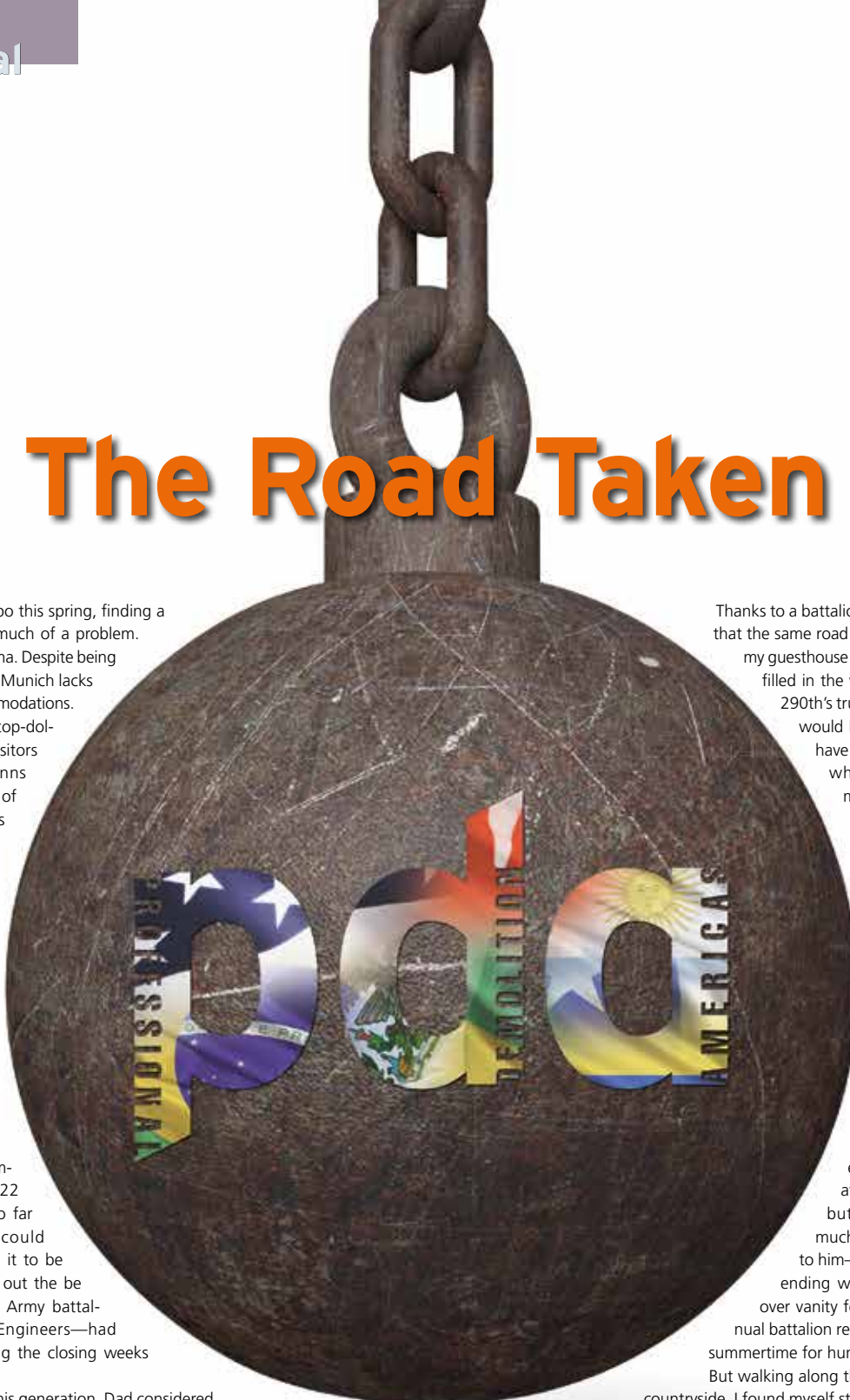
Like so many others of his generation, Dad considered his Army service the highlight of his life. How could it not be for a high school drop-out/factory worker who'd likely never been out of the state before being thrown in with a bunch of other unlikely soldiers from around the country. These men would become his friends and comrades, and together would experience uncertainties, challenges, and, yes, best left unspoken. But they had jobs to do, and in Dad's case, it was securing the supplies and materials the 290th needed to carry out its mission.

Thanks to a battalion history, it was pretty clear that the same road I walked each day between my guesthouse to the train station was likely filled in the war's waning days with the 290th's trucks and jeeps. One of them would have carried Dad, who may have glimpsed the same scenery while figuring out how to mobilize enough equipment to clear a sabotaged bridge across the nearby Autobahn, or get extra rations to the battalion's forward companies. He, like his colleagues, probably also traded scuttlebutt on how much longer the German Army would resist, and when they could start thinking about discharges and going home.

Dad became ill and died before I was old enough to fully appreciate the tales of his exploits, but there no doubting how much those experiences meant to him—from getting license plates ending with "290" without forking over vanity fees to helping organize annual battalion reunions that were a staple of summertime for hundreds of families.

But walking along that road in the now-bucolic countryside, I found myself striding just a little bit taller. It had taken nearly 80 years, but our paths had crossed; I was very proud of where he had been, and hopeful that he was equally proud of where I was going.

**Jim Parsons, Senior Editor**  
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**PdA Magazine is pleased to present regular updates from the US National Demolition Association. This column comes from NDA Executive Director Jeff Lambert.**

## NDA Winter Leadership Forum Sets Long-Term Goals

NDA held its strategic planning session at the annual Winter Leadership Forum. Every other year, prior to the start of a new President's term, we conduct our biennial strategic plan, which presents opportunities to build on the successes from the previous years to meet the needs of the industry. Our goal is to link resources and programs to our mission.

Based on this year's member needs assessment, meetings with a focus group, the Executive Committee, meetings and a growth session at our fall meeting, three themes emerged:

- \* Membership
- \* Workforce
- \* Safety

At the end of the session, there was consensus to recruit and retain top tier demolition companies, launch chapter networks, implement member workforce recruiting and retention tools, and credential 300 demolition supervisors by 2026. The plan will be finalized, reviewed and approved by the Board at the February Convention and Expo meeting. This plan will set that destination and chart our course through 2026.

The Awards Committee has finalized winners and scholarship recipients that will be announced at the Annual NDA Awards Banquet at Convention & Expo in Phoenix. And speaking of Demolition Phoenix, I hope to see you there February 22-25. This year we have a fantastic education lineup—Scrap Update, Electric Construction Equipment, Dust Control/OSHA Session, Women in Demolition Panel, Tool Use and Maintenance Roundtable, Options for Controlling Fuel Costs, Helmets to Hardhats, and the popular "What's Keeping You Up at Night." In addition, we are offering our Pre-Conference Courses: Demolition Superintendent Bootcamp and Hands-on Equipment Maintenance. If you have not done so, book your room and register. Registration is shaping up to be one of our most heavily attended Convention & Expos ever.

The NDA Industry Committee is in the process of finalizing the Explosive Demolition Guidance and Power Plant Guidance Documents. We hope to release the two important documents to general membership in the New Year.

The NDA Government Affairs Committee finalized the 2023 National Policy Agenda. The National Policy Agenda provides guidance on issue priorities and will guide our advocacy efforts on Capitol Hill and with regulatory agencies. Check out our website for the latest advocacy news.

Finally, the Certification Board of the NDA met in November at our DC headquarters to complete Certified Demolition Supervisor test questions. I am excited to announce that we will be promoting the certification at our Annual Convention & Expo.

With all that has been going on with the industry and at NDA—if you know someone who is not a member or you yourself are not a member—now is the time to join the NDA. Membership provides access to safety resources, demolition best practices, educational content, a company listing in our public Membership Directory, and so much more. Contact me directly at [jlambert@demolitionassociation.com](mailto:jlambert@demolitionassociation.com) or apply for membership online at [demolitionassociation.com](http://demolitionassociation.com).

**Jeff Lambert**  
Executive Director

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



## Great Plains, Kubota Celebrate Facility Grand Opening

Great Plains Manufacturing, Inc., in partnership with Kubota Corporation, announced the grand opening of its new construction equipment facility in Salina, Kan. The facility will help support growing demands for Kubota construction equipment in the U.S. First announced in 2020, the construction equipment facility was part of a \$53 million expansion and included the renovation of an existing 750,000 ft<sup>2</sup> (69,677 m<sup>2</sup>) facility that had been recently vacated by a major employer in the Salina community. Employment at the facility is expected to reach at 190 people by the end of 2022, with further plans to grow to more than 900 employees in the future.

The CE Facility grand opening was commemorated with a tour of the new facility and a sake barrel ceremony – a Japanese

tradition, similar to a ribbon-cutting, that symbolizes opening to harmony and good fortune. Executives from Kubota Corporation in Japan attended the grand opening, including Yuichi Kitao, President and Representative Director of Kubota Corp. Phase I of the project, including mass production of the Kubota SVL65 compact track loaders, was completed earlier this year. Phase II will be a \$124 million investment that will include the installation of an automotive-grade eco-paint system with separate paint lines for powder and liquid applications. Expanded welding, assembly, and fabrication areas. Phase II is expected to be up and running by mid-2024.

As the project nears completion, other types of Kubota construction equipment will be produced at the CE Facility.



## Epiroc to Acquire Wain-Roy

Epiroc has agreed to acquire excavator attachment manufacturer Wain-Roy from Oregon Tool, Inc. Based in Kronenwetter, Wisc., Wain-Roy, has approximately 100 employees, and focuses its business on the U.S. market.

"Wain-Roy is known for its high-quality products and competence," says Helena Hedblom, Epiroc's President and CEO. "This

acquisition will strengthen our presence in the North American construction market and increase our capacity for manufacturing advanced attachments in that region."

The acquisition is expected to be completed in the fourth quarter 2022. The transaction is not subject to a disclosure obligation pursuant to the EU Market Abuse Regulation.

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



## MEET THE NEW AQUA CUTTER 750V

Aqua Cutter 750V is our new "Mean Machine" with breakthrough technology in performance and efficiency. The new patented Infinity system together with the next generation Evolution control system brings out the best possible results from the machine, making you and your new robot an unbeatable team.

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## Event Calendar

### WORLD OF CONCRETE

17-19 January, 2023  
Las Vegas Convention Center,  
Las Vegas, USA  
[www.worldofconcrete.com](http://www.worldofconcrete.com)

### BAUMA CONEXPO INDIA

22-25 Feb, 2023  
India Expo Centre, Greater Noida,  
New Delhi, India  
[www.bcindia.com](http://www.bcindia.com)

### DEMOLITION IN PHOENIX

17-19 January, 2023  
Sheraton Hotel, Phoenix Downtown  
Phoenix, USA  
[demolitionassociation.com](http://demolitionassociation.com)

### FACHTAGUNG ABRUCH 2023

German Demolition Association  
Convention 2023  
3 March, 2023  
Berlin, Germany  
[deutscher-abbruchverband.de](http://deutscher-abbruchverband.de)

### CONEXPO-CON/AGG 2023

14-18 March, 2023  
Las Vegas Convention Center,  
Las Vegas, USA  
[www.conexpoconagg.com](http://www.conexpoconagg.com)

### BEBOSA 2023

German sawing and drilling  
association convention  
23-25 March, 2023  
Willingen, Hochsauerland,  
Germany  
[www.bebosa.com](http://www.bebosa.com)

### ARA Show

March 12-15, 2023  
Orlando Convention Center  
Orlando, FL, USA  
[www.arashow.org](http://www.arashow.org)

### SAMOTER 2023

3-7 May, 2023  
Verona Exhibition Centre  
Verona, Italy  
[www.samoter.it](http://www.samoter.it)

### IDA CONVENTION AND DEMTECH TRADESHOW

28-29 September, 2023  
Bangalore, India  
[www.indiademolition.org](http://www.indiademolition.org)  
[www.demtech.in](http://www.demtech.in)

### INTERMAT 2024

April, 2024  
Villepinte, Paris Nord,  
France  
[www.intermat.fr](http://www.intermat.fr)

### DEMCON 2024

September 19-20, 2024  
InfraCity, Stockholm,  
Sweden  
[www.demcon.se](http://www.demcon.se)

### BAUMA CHINA 2022

26-29 Nov, 2024  
Shanghai Exhibition Center,  
Shanghai, China  
[www.bauma-china.com](http://www.bauma-china.com)

## McCloskey Names New Group Sales Director

McCloskey International has named Michael Millies as Group Sales Director responsible for North and South America, overseeing sales for the full portfolio of McCloskey Group companies. Millies brings more than a decade invested in the heavy equipment industry during his time with Komatsu, and most recently as the Sales Director for Enercon Ltd. He has a natural focus on forging new and strengthening existing relationships within the dealer network to drive a unified strategic vision and execution strategy. Working from the Lippmann Milwaukee factory, Millies will continue the close working relationship McCloskey enjoys with its current distribution partners, identify and recruit prospective dealers to fill any gaps, and work with them on solidifying standard forecasting processes for better alignment in the future.

"It's clear the dealership network for the McCloskey group has an excellent foundation that we will be able to tap into to strengthen the existing relationships," Millies says. "A focus on the growth of business processes with these dealers will better allow us to understand market conditions they are operating in and focus on their future needs."

[mccloskeyinternational.com](http://mccloskeyinternational.com)



## Makinex Names New President for North America

Makinex has appointed Amy Cole as President, Americas with an expansive mandate to drive transformative growth across all business lines in North America. A seasoned executive with more than two decades' experience leading high-performing teams within multinational organizations, Cole brings a wealth of knowledge and insight to bear as she leads Makinex into exciting new markets. With her extensive experience in international and domestic leadership with premium brands such as Hilti, Kohler, Apogee Enterprises, and IMI, Amy provides Makinex exceptional value in realizing our vision for transformational growth.

"Makinex's innovative products help customers make more money by greatly increasing efficiencies and relieving the pressures of labor shortages," Cole says. "That means a lot in today's market."

Cole attributes her successful track record of transformational growth to shaping a culture around company values and growth mindset, high performing leadership teams, team member engagement, differentiated products, and delivering a strong value proposition in the eyes of the customer.

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



**As an Aquajet distributor, each offers full sales and support for Aqua Cutter robots and accessories, including everything from sales, training, and commissioning to service and repairs.**

## Aquajet Adds Distributors in Belgium, Denmark and Norway

Aquajet has added three new distributors to its global dealer network. They include Brokk BeNeLux BV in Belgium, SIHM Højtryk A/S in Denmark, and Pump Supply in Norway. As an Aquajet distributor, each offers full sales and support for Aqua Cutter robots and accessories, including everything from sales, training and commissioning to service and repairs.

The new distributors will offer a broader sales network with expertise on the specific Hydrodemolition challenges of that region. With a growing drive for automation to meet the challenges of a shrinking workforce, the need for local support and expertise is something Aquajet sees as critical to long-term growth and success.

Brokk BeNeLux BV, based in Tessender-

lo, Belgium, also covers The Netherlands and Luxembourg. The company is well-established in its market as a Brokk demolition robot distributor.

SIHM Højtryk A/S is located in Esbjerg, Denmark, and covers the Faroe Islands, Iceland, and Greenland, along with Denmark. SIHM Højtryk A/S is one of the world's leading manufacturers and suppliers of high-pressure equipment for the oil, gas, marine, and energy industries.

Pump Supply, located in Solbergelva, Norway, is a major supplier of pumps and equipment for the region's oil, gas, marine, and energy industries. Pump Supply has gained a reputation for offering high-quality, reliable products, and puts customer success and satisfaction at the core of its values and philosophy.

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



## Company News from Stihl

Stihl, Inc., has announced a \$49-million expansion to its chainsaw guide bar manufacturing facility in Va. Beach, Va. Adding to an existing building, the 26,000-ft<sup>2</sup> (2,415m<sup>2</sup>) project will bring the company's total facility to 86,000 ft<sup>2</sup> (7,990m<sup>2</sup>). The project will enable Stihl to add a third guide bar production line at the facility. Currently, most of the company's guide bars are manufactured at other Stihl locations overseas.

The project is being funded in part by a \$500,000 grant from the Virginia Beach Economic Development Authority. Stihl says it will invest in state-of-the-art equipment and add numerous high-skill positions to its team, including maintenance mechatronic technicians, process engineers, tool and die makers, project coordinators, and machine operators.

Stihl has also named Uwe Hirsch as vice president of finance. Hirsch will plan, direct and control the company's overall financial

plans, policies and activities, including its accounting and treasury practices. He will also provide support in the business transformation of the company and leadership of the IT operations and system implementations.

Hirsch joins Stihl after a successful career with the Bosch Group, where he most recently served as global vice president of finance, controlling and purchasing for Bosch Automotive Service Solutions in the Automotive Aftermarket division. Prior to that, he served as vice president of finance at Bosch Automotive Service Solutions. Hirsch received a degree in Business Administration from the Cooperative State University in Stuttgart, Germany.







# Slowly But Surely Gets Back to Normal

**It's time again for World of Concrete, the only international construction show held every year, including during the pandemic (thanks to some rescheduling in 2021). This is what the show looks like for 2023.**

The show takes place January 17-19—somewhat earlier due to Conexpo-ConAgg's triennial appearance at the same venue, the Las Vegas Convention Center. But despite it being "a Conexpo year," the 2023 edition of WoC boasts a pretty good line up. Nearly 1,200 companies are booked to exhibit at this point, approximately 100 more than last year and not far from 2020, when Conexpo was again on the horizon.

## **A great reunion expected**

Most suppliers in the concrete sawing and drilling, concrete floor grinding and polishing as well as some demolition equipment suppliers will exhibit at WoC. Many of these same companies were on hand at Bauma, which yielded fewer innovations than expected. WoC may well be the same from a news standpoint.

WoC is also shorter than previous years, having been reduced from four days to three. Veteran attendees will recall the largely exhibit areas on the last day, so the abbreviated schedule may actually work well when it comes to travel and exhibitor logistics. As

Visitors are expected from all over the world,

but international attendance may still be lower than past years due to the protracted pandemic, the war in Ukraine, and economic considerations. Still, the convenience to the massive North American construction market bodes well for the show's success.

As usual, WoC organizers have made it easy to get to and from the Convention Center with busses from the major hotels, as well as the monorail. (The touted underground high-speed transport is still a few years away, though the Convention Center's own loop is operational.) Visitors can also take in a wide range of seminars during the show. Information on times and topics are available at WoC's website.



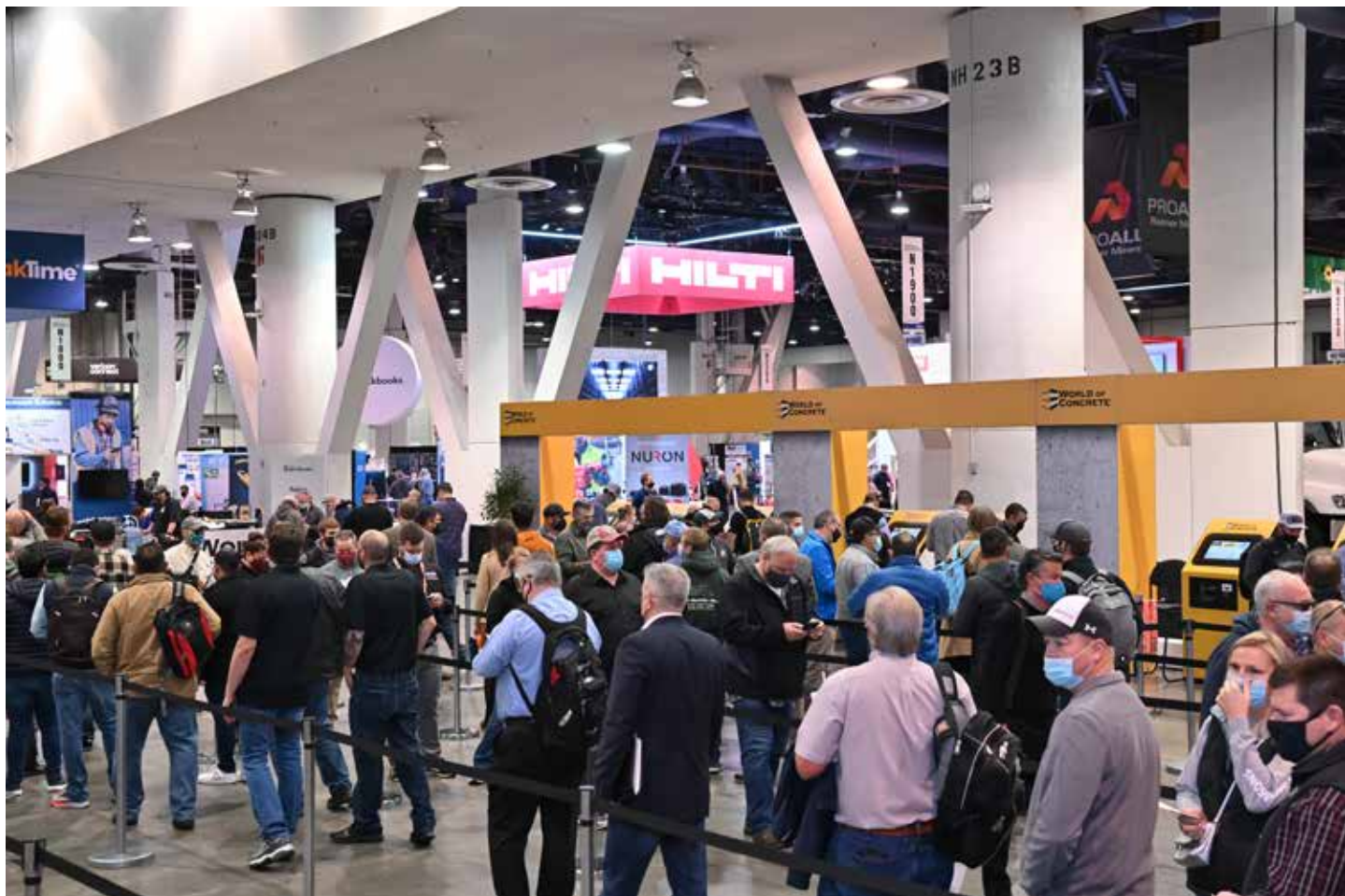


### Exhibit areas at WoC

World of Concrete 2023 will take place in the North, Central, and South Halls, and will be utilizing the Silver and Bronze Lots for outdoor exhibits and events.

In the Central Hall visitors can find exhibitor offering material handling, various equipment, tools, products





and services for the commercial construction, concrete and masonry industries and tools and equipment for masonry work.

The North Hall features the Producer Center, a comprehensive marketplace of materials, equipment, and demonstrations specifically for concrete producers. Visitors also find the innovation showcase featuring the newest products and tools for the commercial construction industry from top information technology and

systems providers. Additionally there is equipment for precast, concrete masonry, concrete reinforcement, equipment, tools, and products and services for the commercial construction, concrete and masonry industries, as well as the Cement Production Pavilion.

The South Hall houses concrete repair and demolition tool sand equipment, as well as equipment for concrete surfaces and decoratives. Outside, the Silver Lot features industry-leading exhibiting suppliers, live demonstrations,

heavy equipment, and decorative concrete products. In the Bronze Lot, visitors can watch exciting championships, skills challenges, creative demos, and other events. See the adjacent table for a list of selected World of Concrete 2023 exhibitors who serve products and services covered in PDa magazine. And as usual PDa and its sister publication PDi will exhibit at WoC. Please stop by our booth C4627 in the Central Hall.

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



shows





# Selected List of Exhibitors at World of Concrete 2023

Exhibitor	Booth Number	Exhibitor	Booth Number	Exhibitor	Booth Number
Advanced Concrete Techn.	N427	DITEQ Corporation	C4333	Milwaukee Tool	O30361
Allen Engineering Corp	C4315	DITEQ Corporation	O32061	Multiquip	C4549
ALLFLAT Consulting, Inc.	N113	DMI Tools	O31552	National Flooring Equipment	S11327
American Construction Equip	C6651	Bobcat Company	C5339	National Hispanic Contr. Asso	S10754
Ameripolish, Inc.	O31833	Dustcontrol, Inc.	S12045	National Hispanic Contr. Asso	S10756
Antraquip Corporation	N2021	Dustless Technologies	N2312	NEWGRIND INC.	O30262
Aqyajet Systems	C4019	Dymatec USA LLC	O31472	PR DIAMOND PRODUCTS	O31460
Merlo (AMS)	C5327	EMI Construction Products	N2400	Quanzhou Sang Diamond Tools	S12617
Ashine Diamond Tool Co. Ltd.	S12727	EZ Concrete Supply	S12155	Bosch	O30899
Astec Industries	N837	EZ Scaffold	C3218	Runyon Surface Prep Rental & S	S12339
AUSA	C6477	E-Z Drill, Inc.	C5803	PDi Magazine/ PDa Magazine	C4627
Autec North America	C6752	FUJIAN PENGXIANG INDU.	N537	Norton Clipper	C4031
Aztec Products, Inc	O31546	FUJIAN XINGYI POLISHING.	O31849	SASE	O31999
Bartell Global	S10815	Fuzhou Bontai Diamond	S12109	Scanmaskin Sweden AB	O30946
BlastPro Manufacturing, Inc.	S10615	General Technologies, Inc.	N2037	SlurryMonster, LLC.	S12645
BlastPro Manufacturing, Inc.	S11139	Diamond Vantage	C3539	SmartBarrel	N1152
Brokk Inc	C4019	Diamond Vantage	C3541	SONMAK DIAMOND TOOLS	C4039
CAT DIAMOND TOOLS	O31158	Diamond Vantage	C3547	Stihl Inc	C4631
Caterpillar Inc.	C5961	Gensco Equipment	N2936	Sunbelt Rentals	S11215
Concrete Sawing & Drill. Asso.	C4211	GSSI	N1838	Superabrasive, Inc.	O32112
Concrete Show Brazil	C3356	Ground Penetrating Radar Sys	C5988	Superabrasive, Inc.	S10507
Conjet	C4537	Ground Penetrating Radar Sys	N2069	Surface Systems and Instruments, C	4858
CS Unitec Inc	O30940	Concrete Sawing and Drilling	C5988	Syntec Diamond Tools Inc.	S11755
ACE Diamond Tooling	S12509	Hatz Diesel of North America,	N2423	Syntech Systems Inc./FuelMaster	N2154
Cutco	C6647	Hilti, Inc.	O30303	Terex	C5549
Cutco	N2150	Husqvarna Construction Products	O31420	Terra Diamond / GDM Equipment	C4519
Cutco	S12411	Buffalo Turbine	S12014	Terrazzo & Marble Supply Comp	S11351
Darda GmbH	C5985	ICS, Oregon Tool, Inc.	O31670	Terco Inc	S11450
DDM Concut Diamond tools	C4859	IMER USA	C5377	TITAN DIAMOND USA	S12407
DEWALT	O31168	World of Concrete India 2023	C3129	Leaktronics	S11641
Diamond Blade Warehouse	S11413	International Concrete Repair In.	S10938	U.S.SAWS	O31658
Diamond Products	C4305	Jetstream of Houston LLP	C3135	U.S.SAWS	S11307
Diamond Products	O32052	Kanga Loaders	C4343	Vantage Products Inc.	S12926
Diamond Products	O32159	Lissmac Corporation	C4844	Vermeer corporation	C6826
Diamond Speed Products, Inc.	S12517	Makinex Construction Products	S11507	World Diamond Source Inc	S10514
Diamond Tech, Inc. - DTI	O31857	Makita	O29946	Xtreme Engineered Floor Systems	S11551
DTI Blades	S12312	Makita	O30040	Xtreme Polishing Systems	S12845

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## Sennebogen Presents First G-Series Material Handler

The Sennebogen 835 G Hybrid is the first of a completely new generation of material handlers, combining the Bavarian machine manufacturer's experience in demanding applications with a new, forward-looking generation of machines.

With the new series version of the popular 835, Sennebogen has immediately dared to create an absolute all-rounder in material handling. With equipment lengths of up to 65.6 ft (20m), the machine is aimed at applications in scrap and timber handling as well as port operations. As usual, the Sennebogen modular principle allows customization using numerous undercarriage variants, from mobile undercarriage to crawler tracks and stationary solutions.

The 835 G has an economical 188 kW Stage V diesel engine supplemented by the "Green Hybrid" energy recovery system, which considerably increases overall operational performance. As a result, the machine gains additional working speed and even increases handling performance with lower consumption. In concrete terms, this means a reduction of around 30% in fuel costs. The system itself functions like a tensioned spring that supports the boom's working movement. The components, a third hydraulic cylinder on the boom and nitrogen accumulator at the rear, are therefore not only safely installed, but also virtually maintenance-free.

The efficiency of the material handler has been further increased and the hydraulics have been completely reworked – every hose guide, every diameter, every valve and all the flow cross-sections have been examined and optimized. All this has resulted in genuine tuning of the hydraulics through the sensible relief of pressure on the pump system.

**Operator comfort and safety are major themes of the new series**

An important point in the further development of the new generation is dedicated to operators and service personnel. The new Maxcab is being used for the first time in the new series. The operator's workplace has been optimized, and all settings can be conveniently adjusted via the new,

foiled keyboard and the SENCON display. Air conditioning elements and air flow as well as shelves and storage compartments have also been optimized.

Some of the original 835's tried-and-tested features remain, including the established sliding door for easy entry and the ergonomic joysticks. The new continuous front and side windows offer an unobstructed view of the surroundings. The design and kinematics of the cab elevation have been further improved and now elevate the operator in an even more comfortable way. The cab can be moved continuously over a height difference of 9 ft (2.80m) as standard, and optionally up to 11.5 ft (3.50m).

Sennebogen has also optimized all aspects of service and daily maintenance. The components are even more accessible, and work is made easier thanks to a clearly structured machine design and central maintenance points. Numerous platforms and grab handles ensure the highest level of safety for people and machines.

The 835 G Hybrid is also available in the electric version too, offering operating cost reductions of by up to 50 %. The environmentally-friendly, emission-free electric motor offers low-noise and vibration-free operation even in the most demanding of situations.

**Sennebogen presents the new G-Series. The Sennebogen 835 G Hybrid features the tried-and-tested Green Hybrid energy recovery system. For demanding applications in scrap recycling, port handling or timber manipulation, the new Sennebogen 835 G Hybrid can be individually configured and has a range of up to 65.6 ft (20 m). The new Maxcab offers maximum operator comfort and easy operation.**







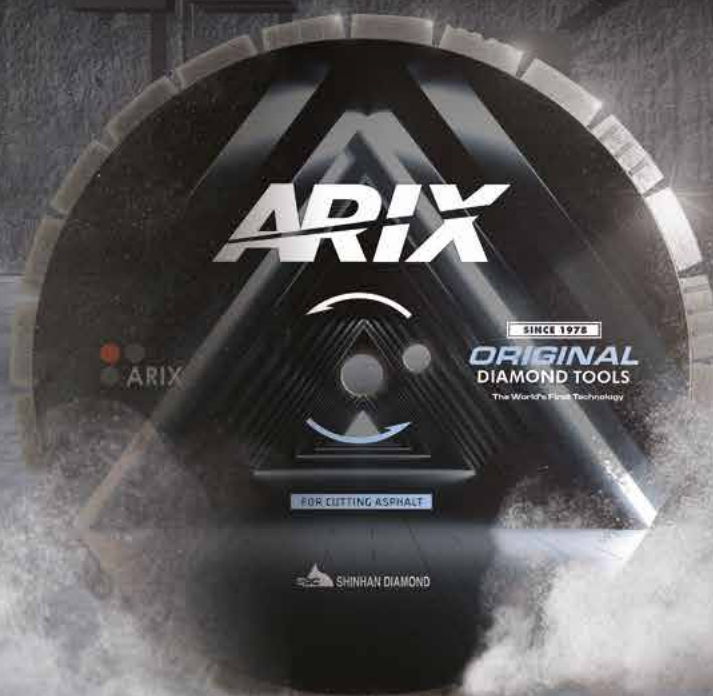
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# Loader L

**Don't let the title fool you. The popularity of compact equipment is on the rise, as the range of their power, features, and capabilities. Indeed, many surveys report that the sales volume of these mighty-mites far outpaces those of their larger cousins. Also increasing is the number of electric-powered models, offering owners a measure of sustainability as well as an important option for constrained sites where noise must be kept for a minimum.**

Whether you've read about the latest introductions at Bauma, or look forward to what CONEXPO has to offer, it's never too early for those in the market for compact loaders and skid steers to start making notes.

## **Kubota's new SVL97-2 compact track loader**

The newest member of Kubota's compact track loader line, the SVL97-2 offers increased productivity coupled with Kubota's tradition of dependable power. The new SVL97-2 boasts a 96-hp (71.5kW) engine with a rated operating capacity of 3,200 lb (1,450kg) at 35% tipping load, an impressive 7,961 lb (35.41kN) of breakout force, and a 3.4-ft (1m) reach at max height. In addition, the new SVL97-2 comes standard with the ability to monitor the machine's health and location. The standard rear-view camera can be set to display constantly or only when the machine is moving in reverse, allowing for better rear visibility and increased operator comfort. Optional front LED work lights are available for more efficient and safer



work during the night and in any low light condition. The machine's DEF system has been re-engineered to ensure long-term reliability and productivity. Kubota also improved the sealing of the cab, reducing the amount of dust, water and debris entering the operating space. This upgrade will give our end-users a cleaner and more efficient work environment.

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

## **New next-generation Cat 906, 907, and 908 compact wheel loaders**

Building on the success of the Cat® M-Series Compact Wheel Loaders, the new Cat 906, 907, and 908 compact wheel loaders boast a reengineered operator's station, leveraging exclusive Cat technologies to improve operator experience and provide larger wheel loader model comfort on a smaller platform. Featuring the new Cat C2.8 engine, the upgraded drive and powertrain deliver faster roading speeds and drive train performance. The hydraulics and

structures have gone through an overhaul, making these new models an optimal fit for many applications.

The new sealed and pressurized cab improves the operator experience, while keeping previous design functional aspects like raised floor pedals and two doors to make cab cleaning easier. Optimum visibility is achieved with larger standard side mirrors, optional parabolic lens electric and heated mirrors, and front and rear camera options. New single-piece front and rear windshields offer 60% better wiper coverage.

Specifically designed for Cat products, the new Cat C2.8 engine delivers the same 74 hp (55.7kW) power as the previous engine with 13% more torque, resulting in roading performance and tractive effort improvements. The Cat C2.8 meets EU Stage V and U.S. EPA Tier 4 Final emission standards with alternative emissions packages available. Its shift-on-the-go transmission offers increased roading speeds of 25 mph (40kph), and larger fuel tank capacities of 30% for the 906 and 12% for the 907 and 908 deliver extended work cycles.

When working in dusty environments, the new reversing-fan option assists in keeping cooling cores clean for more efficient temperature control. Through an in-cab soft-touch button, the system can be turned off, set to operate in an automatic mode or momen-





# ow-Down

tarily activated by the operator. Automatic mode uses the factory-setting to reverse direction for 10 seconds every 10 minutes. Frequency and duration of automatic reversing can be changed easily by the operator via the new control monitor.

To meet demand for increased multifunctionality with lift and tilt while powering hydromechanical tools, these wheel loaders feature a new standard pressure-compensated valve, allowing operators to simultaneously control implements and operate hydromechanical attachments seamlessly. Increased working auxiliary pressures make work easier and improve steering to reduce operator fatigue.

Modifications to the optional skid steer coupler improve visibility through the coupler when setting fork tines. In conjunction, realignment of the compact wheel loader fork carriage improves forward visibility.

Bucket capacities have been increased across the range adding to the already impressive operating capacity legacy of the Cat machines.

## Cat's battery-powered loader prototype debuts at Bauma

Caterpillar is focused on delivering purpose-built solutions to help customers achieve their sustainability goals by geography. Among the latest innovations is the 906 compact wheel loader, the prototype of which debuted at Bauma 2022. The machine is powered by a Cat 300V, 64kWh batter, with an estimated run time of up to six hours on a single charge. The company also plans to offer an off-board DC fast charging option. The Caterpillar designed batteries in these machines will also be available to power other industrial applications. Built on proven Caterpillar technology, the lithium-ion battery range features a modular design that offers flexible configurations across multiple applications. The batteries are engineered to be scalable to industry and customer performance needs and maximize sustainability throughout their lifecycle, including recycling and reuse at the end of life.

## Volvo upgrades L20, L25 electric compact wheel loaders

Upgrades to the zero-emissions, low-noise L20 and L25 electric compact wheel loaders have been introduced just as deliveries are starting in North America, meaning every customer here will get the new versions of the machines with enhanced uptime, versatility and

operator comfort. The updates include increasing the maximum speed to 12.4 mph (20kph), the option to fit a parallel linkage that delivers high breakout torque in various applications, additional operator-friendly features and improved charging.

The L25 Electric compact wheel loader was unveiled in 2019 and customer shipments began in Europe in the spring of 2020 and in North America this past summer. Volvo CE began accepting orders for the L20 Electric earlier this year, and North American deliveries start soon. Both models offer zero exhaust emissions, lower noise and comparable performance to diesel equivalents.

All

North American customers will receive the updated L25 and L20 Electric models. The upgrades include lower noise levels inside and outside the cab, due to a new hydraulic pump and the relocation of the main control valve from the cab to the front frame.

Additionally, operators in colder climates will appreciate the new programmable cab heater option, which allows them to easily choose the times and days of the week when they would like to arrive in a prewarmed and defrosted cab. Operator comfort also is enhanced, due to a more ergonomic joystick with the latest design on the market.

A new electric parking brake improves uptime with hill-hold functionality: a convenient automatic feature for operators working on inclines or rough terrain. And because the disc brake in the former model is now replaced by a spring-applied and hydraulic-released wet-disc brake, related maintenance requirements are removed, helping to cut costs and machine downtime.

The time it takes to achieve a full charge from zero is only six hours with the 6kW on-board charger if used with a 240V socket or level

2 public charging station. Speedier charging is available with optional off-board DC fast chargers at 11.5 kW or 17.3 kW. When this is combined with the newly launched electric machine management application, customers can further boost uptime by keeping track of charging status, battery level and location to help manage the charging process more efficiently. Volvo CE recently launched an online tool that allows customers to configure an electric machine to their liking and see the suggested retail price.

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

## Wacker Neuson's 3rd generation electric wheel loader unveiled at Bauma

The WL20e is the first exclusively electric-powered wheel loader by Wacker Neuson. Its performance characteristics correspond to those of a conventional diesel-powered machine. The installed 48V lithium-ion battery is optionally available in three power levels, so that running and charging times can be optimally matched to the work requirements. The WL20e works fully emissions-free on site and with significantly lower noise pollution. For the end user, this means greater flexibility in application, environmental protection and significant savings on operating

costs. Depending on the application and purpose, the appropriate battery size can be selected. A total of three maintenance-free lithium-ion batteries are available: Standard is 14.1 kWh, optionally available are 18.7kWh or 23.4kWh. A 3kW onboard charger is installed as standard. Optionally, a second 3 kW onboard charger can be selected to increase the charging power to a total of 6 kW, which is suitable for the medium and large battery to achieve a fast charging time. The lithium-ion battery comes with a standard warranty of 36 months or 900 charging cycles, with a minimum 80% remaining battery capacity.

The central loading flap is easily accessible from the outside on the right side of the machine. Behind it are the power socket, activation switch and charge level indicator. Flexibly selectable charging plugs enable fast and coordinated charging of the selected battery size. In combination with the built-in onboard charger, an efficient and safe charging process is guaranteed.

The cabin of the WL20e comfortably enables year-round use of the machine. It has been optimized to meet the needs of the operator, offers many new features, enables safe and comfortable working and provides sufficient space for the operator despite its compact design.





An innovative heating system ensures that the driver can work at a comfortable interior temperature even in cold outside temperatures. In summer, good ventilation is ensured even without air conditioning. The door can be locked on right and left for gap ventilation, door can be opened 180 degrees on right and left and rear window can be opened.

Low-slung windows and a shortened rear of the machine provide the best all-round visibility, the electrically heated front and rear windows ensure optimum visibility in all weather conditions, and the emergency stop switch under the joystick offers high safety.

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

### John Deere Unveils G-Tier Compact Wheel Loader Models

John Deere is building upon its line-up of compact equipment by expanding its performance tiering strategy with three new models of Compact Wheel Loaders. The new G-tier models, including the new 184 G-tier, and the 204 G-tier and 304 G-tier machines, were designed to include proven capabilities and are ideal for customers in need of a dependable machine to complete everyday tasks.

The G-tier models offer optimal performance with lower maintenance costs. With convenience and productivity top of mind, these easy-to-operate models come standard with limited slip differential, which automatically engages if one wheel loses traction, providing enhanced safety for the operator and the machine. The optional ride-control reduces spillage from the bucket when traveling over rough terrain, reducing job site clean-up, and improving ride quality for the operator and can also be set to engage and disengage at certain speeds.

Featured on all G-tier models, the forward-thinking cab design is offered in both a canopy or enclosed cab configuration, giving operators flexibility when working in a variety of different geographies. Built with operator visibility in mind, the redesigned enclosed cab features a frameless, fully glass door, floor-to-ceiling front windshield and remounted machine display, providing a clear line of sight to machine surroundings. The right-side full glass window also swings out 180 degrees to further enhance overall visibility for the operator. Additional features include an adjustable steering column, slip-resistant steps, and an optional LED lighting package. The spacious cab

includes amenities such as improved air conditioning systems and ergonomic low-effort controls to keep operators comfortable during a long shift.

All G-tier models offer enhanced serviceability features such as ground-level service and increased capacity fuel tanks to help simplify daily maintenance, keeping machines up and running on the job. This allows operators to spend more time completing the tasks at hand, rather than performing on-site repairs or maintenance. The strategically placed cooling package minimizes contamination from debris build-up, optimizing efficiency and reducing cleanout time.

The smaller G-tier models, including the 184 G-tier and 204 G-tier, were designed to provide customers with a rugged, compact design helping the operator maneuver within the tightest areas while maintaining complete control of the machine. The machines also are nimble enough to fit through smaller barn door openings or other smaller areas, making them an ideal solution for job sites of all sizes. The new 0.9-cu yd (0.7 m<sup>3</sup>) bucket is optimally sized that pairs with the 184 G-tier and 204 G-tier and can be attached to either a Quik-Tatch or hook-style coupler.

The largest of the three new models, the 304 G-tier, delivers productivity enhancements while also retaining many of its previous features that result in higher productivity, especially in applications such as site development, roadbuilding, and snow removal. In response to customer feedback, the travel speed of the 304 G-tier has increased to 18.6 mph (30 kph), allowing the machine to accomplish tasks and move around job sites in less time.

The design of the 304 G-tier offers improved operator visibility and overall machine stability with the increased machine size, which is now measured at 8.6 ft (2.6m) tall



with cab and 6.5 ft (1.9m) wide. The model also comes equipped with an optional Attachment Assist Package, including Proportional Mini-Joystick 3rd Function Control with Detent, Combined Creep Control & Throttle Lock, and Integrated Electrical Attachment Controls (3-Pin).

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

### Most Powerful Loaders from Bobcat's R-Series: S86 and T86

The new S86 R-Series Skid-Steer Loader and T86 R-Series compact track loader replace the previous 700 and 800 M-Series loaders and complete the current R-Series loader line-up. Delivering a higher engine and hydraulic output, the Bobcat S86 and T86 are the most powerful compact loaders the company has ever built. Both machines use a well-proven Stage V compliant 3.4 l Bobcat engine, producing 105 hp (78kW) at 2,600 rpm.

One of the most exciting new aspects of the S86 and T86 is that both machines have for the first time three different auxiliary flow outputs. There is a standard flow configuration providing 23 gpm (87 lpm) for applications such as load and carry, or where low hydraulic flow attachments are used. Bobcat also offers two additional hydraulic performance functions using the new Electronic Displacement Control (EDC) Pump: a high-flow function giving 36.5 gpm (138 lpm) and a new,





industry unique super-flow function taking auxiliary flow to 15.6 gpm (159 lpm).

The super-flow function typically increases productivity with like-for-like attachments by 15 to 20%, and it has a new five-coupler connection block allowing the use of larger 2-in (19mm) quick coupler connectors and attachment hoses. This change also helps increase auxiliary hydraulic efficiency and performance.

### Mecalac introduces new MCL range

The new Mecalac MCL range includes 6 models, from 1.74 t to 2.85 t. The MCL2's small size and wheel motor transmission allow it to move with agility. Its modern and ergonomic operator's station protected by a canopy is also available in a cabbed version. The MCL4 offers an excellent compromise between compactness and lifting performance. With its 24.6-hp (18.4kW) engine, the MCL4 is also the ideal machine for rental fleets that want a durable and high-performance machine. Its low transport weight also allows the machine to be transported on a road trailer.

With even more power, MCL6's 48.2-hp (36kW) motor allows it to reach and maintain high speeds on the road. Its high hydraulic flow and its speed of execution allow it to considerably increase the productivity on worksites. Design of the MCL8 was guided by power, high dumping height, and lifting capacity are the key words that guided the design of this machine. It is at ease in all circumstances whether it is for loading, handling or driving hydraulic attachments. Short arm versions of two machines—MCL4+ and MCL6+—offer an increased tipping load to meet specific construction applications.

All the machines will be available in 3 versions: canopy, canopy with foldable top or cab version, and all with a wide selection of attachments. The new MCL loaders can be equipped with Mecalac's latest comfort and driver assistance technologies. A keypad with start-up digicode provides better control of the machine's use while M-Drive turns the machine into a speed-controlled tool carrier. MyMecalac Connected Services maximizes the use of machines thanks to op-

timized and accessible machine data, reduced downtimes, and better fleet management

### New loader models from Gehl

Specifically designed for construction on urban sites, the AL 320 H-C and AL 420 H-C also allow pallets of materials to be handled on urban sites, where there are space constraints. Both models are equipped with hydrostatic transmission for added performance.

Manitou Group has worked on the design of these new machines to create models that are more ergonomic and even more slim-line than previous ones, while still offering a very high level of performance. The engine hoods have been shortened and the engine is positioned lengthwise to the chassis to reduce the models' size. The minimum width is 3.6 ft (1.1m).

The chassis has also been revised to reduce the length of these products, allowing them to be maneuvered easily in tight spaces. A joystick makes them quick to master, by new and experienced users alike. In addition, optimal 360-degree visibility around the cab ensures a very high level of safety for users.

To facilitate the movement of these loaders between different work sites or farms, certain models are transportable on a 7,700-lb (3,500kg) trailer. The loaders are also equipped to send

information directly on the My Gehl and My Manitou smartphone applications, enabling users to monitor their activity and anticipate maintenance operations. Thanks to the EasyMANAGER web portal and mobile app, fleet managers can remotely monitor the activity of every machine and thereby optimize their fleet management. Simplified maintenance enables users to reduce their total cost of ownership.



# AUSA Launches Range of Fully-Electric vehicles

AUSA new electric vehicle range consists of the D151AEG dumper with a 1,500 kg payload, and the T164E telescopic handler with a 3,527-lb (1,600kg) payload and a maximum lift of 13 ft (4m). All of AUSA's electric vehicles have been designed with an operating range of at least one full working day. The li-ion battery pack is managed electronically to offer maximum power in a smooth way and all-terrain conditions that match diesel vehicles. Also, when the accelerator is released, the electric motor reduces the speed instantaneously while the energy is regenerated, extending its range.

All of AUSA's electric vehicles feature a charging cable, so they can be connected via a 110V, 230V, or 415 V socket with a fast charger whenever necessary. With these two new launches, AUSA has expanded the possible uses of its products, contributing vehicles to the market that will multiply the applications for users, enabling work in enclosed environments with no air circulation, environmentally protected spaces or work carried out at night, thanks to the drastic reduction in noise emissions.

At the same time, the safety of the operator also increases significantly, as the reduced noise levels also lead to less worker

fatigue, while making communication with other colleagues much more fluid.

## The D151AEG dumper

The new D151AEG is AUSA's first electric dumper with a 1,500 kg payload. A dumper with compact dimensions that is ideal for working in small spaces where good manoeuvrability is a must. It features a 7.6 kW electric motor with a maximum peak of 17.3 kW and permanent 4WD with excellent all-terrain capabilities, meaning its performance matches that of its diesel equivalent. The D151AEG has been designed with an operating range of at least one typical working day for a vehicle in its category, therefore it has a battery capacity of up to 12.3 kWh. The power delivery is managed electronically to obtain the best performance and smoothness with less consumption. The regeneration of the batteries when the accelerator is released or when driving downhill also allows its range to be extended.

Whenever necessary, it can be connected directly to the mains or a generator with the cable included in the vehicle. The batteries of the D151AEG electric dumper charge from 20 to 80% in just 2 hours when charging at 230 V.

## The T164E telescopic handler

The T164E is the first electric telescopic handler with a 1,600 kg payload on the market. With its all-terrain capabilities and a maximum lifting height of 4 metres, it is ideal for working in emission-free spaces such as greenhouses, enclosed spaces and even working at night, due to its minimal noise emissions.

AUSA's new telescopic handler has a power of 8.4 kW, with a peak of 21.2 kW, giving it strength and all-terrain capabilities for working on difficult surfaces and gradients of up to 32%. It can be charged by connecting the integrated cable to the mains or a generator, going from a charge of 20 to 80% in just 3.15 hours at a power of 230 V.

## AUSA at Bauma

The all-terrain compact vehicle brand participated again in the construction sector's leading trade show. On this occasion, AUSA displayed 13 all-terrain vehicles, with the highlight being its aforementioned new electric range, consisting of the D151AEG dumper and the T164E telescopic handler. It will also present the new T164H, the combustion engine version of the same electric telescopic handler, with a 1,600 kg payload and a maximum lifting capacity of 4 metres. Additionally AUSA will also showed its D301AHG dumper with a 3,000 kg payload, launched on the market in the first half of the year. The rest of the display consisted of other dumper, all-terrain forklift and telescopic handler units from the brand's current catalogue. Robust, compact and efficient products.

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



# Husqvarna Introduces H-Class Dust Extractors

During the past year, Husqvarna Construction has launched its new five-model range of versatile H-class dust extractors. Created to complement working with grinders, power cutters, drill motors and other light construction equipment, the five dust extractors in the range include two battery driven models and are designed to contribute to a healthier working environment while increasing productivity. Husqvarna's new versatile H-class dust extractors feature new e-flow technology that enables continuous high performance. A redesigned filter cleaning mechanism also ensures the cleaning process can be done by simply closing the inlet and pressing a button. Also, a cost-efficient, improved LONGOPAC® dust bag attachment system in combination with long-lasting HEPA 13 filters.

At the same time, the machines offer compact design and smart features such as e-flow technology, improved HMI for easy on-site trouble shooting, fast hose connection, an integrated inlet cap and a smart dust cap that helps reduce exposure to dust. Lightweight yet robust construction, ease of maneuverability and lockable wheels make moving between sites and floors simpler and safer with less strain on the user—a focus that is a key characteristic of the new range.



The H-Class dust extractors includes two battery-driven models (PACE and i-series) that offer the same features as corded models and the extra convenience of cordless operation. As well as making them quick to set up and start using, no power grid connection is required, optimizing working time and versatility.

The sturdy design of the Husqvarna PACE Battery System

enables usage in tough, heavy-duty conditions, indoors and outdoors. It is available in two battery sizes, both of which deliver high power and fast charging – and a job well done. The i-Series Battery system offer excellent run-time, high capacity-to-weight ratio, a 4-LED charge level indicator, all-weather operation and excellent cooling characteristics. They can also be recharged more than 1,500 times.





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



## Durex Products to Feature Full Product Lineup in Las Vegas

Durex Products, Inc., will display its screen media, liners, wear parts, and screen accessories at CONEXPO booth #C32567. Durex has offered premium screen media technologies since 1965, and has expended its offerings to include numerous innovative urethane, rubber, and wire options, which allow customers to fine-tune production and increase tons per hour, while keeping products in spec and lowering operating costs.

Some of the items to look for at CONEXPO include:

**Modular Urethane and Rubber Screens** — Available in modular snap-in, pin-style, knock-in, and bolt-in systems. These panels feature tapered openings that are wider at the bottom, which reduces plugging and increases throughput.

**Livewire® Screens** — A self-cleaning-type screen, featuring molded rubber strips that hold its high-strength wires in place, providing better screening action and greater open area.

**Armor® Screens** — A combination of high-grade woven-wire cloth with molded open-cast premium polyurethane, designed to increase throughput, as it reduces plugging and noise.

**Accuslot® Screens** — A self-cleaning-type screen that helps eliminate plugging and/or blinding, while minimizing the passing of slivers and chips.

**Vibraspan® Screens** — A self-cleaning-type screen featuring longitudinal slots and either straight or intercrimp wires for more open area, without sacrificing product size control.

**Vibraclean® Screens** — A self-cleaning-type screen with alternating crimped and straight wires, allowing increased load capacity, while maintaining self-cleaning benefits.

**Woven and Slotted Wire Screens** — Made of high-quality, XT, oil-tempered, stainless, or high-carbon steel. Woven-wire screen allows the use of lighter-gauge wire, while still providing excellent wear life. Long slot triple shoot screens are crimped to provide better screening accuracy and eliminate blinding and plugging.

**Wear Liners** — Including magnetic, plug-weldable, and bolt-on liners for screen boxes, crusher mainframes, feed boxes, chutes, flumes, and discharge openings.

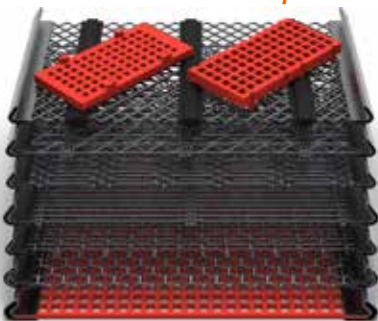
**Concrete Wear Liners** — Including urethane, urethane-ceramic, rubber-ceramic, and rubber solutions for concrete plants and concrete trucks.

**Wear Parts** — Including urethane and rubber, used in sizing and separating on screens, classifiers, dewatering screws, and various chutes and transfer areas.

**Screen Accessories** — Including, but not limited to, side-tension rails, J-bolts, U-bolts, donuts, stringers, and ferrules.

On Wednesday, March 15, from 1 p.m. to 5 p.m., Durex will host a Happy Hour in its booth, with two choices of beer poured into Durex-branded cups, some of which will have a sticker on the bottom that correlates with a prize, such as a Durex cooler or a Durex tumbler.

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



# EDGE Innovate Set to Showcase Next-Level Solutions at CONEXPO



EDGE Innovate will make its fifth appearance at CONEXPO-CON/AGG, welcoming visitors to its Silver Lot booth #S5066. The Irish manufacturer of bulk material handling and recycling equipment is extremely excited that EDGE customers will get to experience the company's newest machines, technology, and services.

From the largest mobile trommel on the market in the shape of the EDGE TRM831, to the EDGE FTS75 Mulch Master and the VS420 high torque shredder; the products to be displayed at CONEXPO 2023 are proven to meet customers demanding requirements when it comes to reliability, production capacity and cost of ownership.

EDGE's latest offering, the TRM831 Mobile Trommel, is one of the largest wheel-mounted trommels on the market and provides operators with unrivalled production rates. With extensive stockpiling capabilities thanks to its end discharge conveyor design, the TRM831 design prevents product cross-contamination and reduces the double handling of material. This is complimented by a remote operated, 180-degree radial fines conveyor as standard which has the capacity to stockpile up to 1,347yd<sup>3</sup> (1,030m<sup>3</sup>).

The EDGE TRM831 portable trommel is ideal for the high-capacity screening of various applications including topsoil, compost, sand, household waste and construction and demolition waste. With a wide range of different drum types and screening media available, the EDGE TRM831 can be customized to suit the customers exact application requirements.

The EDGE FTS Mulch Master is setting new standards in the turning, blending and stockpiling of organic material. Pioneered by EDGE Innovate; the FTS Mulch Master is a portable feed stacker that is specifically designed for processing lower density, organic materials such as mulch, compost, and soils. The unique hopper design from EDGE ensures 100% of

feed stock sees the turner — a process the company says is not possible with traditional windrow turners.

By combining the two methods of flipping, rotating and constant conveyor flow; the EDGE FTS75 Mulch Master prevents unwanted material friction and compaction. Material is untangled via the forward/reverse high-speed turning drum which allows the feed material to breath whilst allowing the material to remain cool, thus, reducing the risk of combustion and anaerobic or "sour" mulch

EDGE Innovate's VS420 twin shaft shredder launched at CONEXPO 2020 is quickly gaining a reputation as a world class shredder. With its high capacity, reliability and low running costs, the EDGE VS420 is proving to be an excellent shredding alternative to what is currently on the market.

EDGE's next generation shredder has been developed for ultimate versatility and high resistance to contaminants with a number of customizable shredding programs and chamber configurations available. An intelligent operating system which incorporates tramp metal protection provides the ultimate security from contaminants and prevents asset damage.

The VS420 offers operators a host of design features include hydraulic hopper extensions, a large automatic tipping hopper with remote functionality, hydraulic height adjustable twin pole magnet and a "One Point" service area. EDGE's VS Status Lighting system, which provides a quick and simple communication link between the machine and the operator. It allows the operator to know the status of the shredder, when to continuing loading material, when not to load or if there is a blockage thus ensuring maximum throughput while preventing material overload. EDGE Innovate's next generation shredder has been proven to achieve high-capacity throughputs, operational reliability, and offers low operational costs.

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# The Best of Both Worlds

How contractors can benefit from advances in floor stripping technology. We all love to get the most for our money. But while some multipurpose consumer products seem more like a novelty than a useful tool, in industrial applications, combining the capabilities of two systems can bring great return on investment. Connie Hardy, vice president of marketing at surface preparation equipment manufacturer National Flooring Equipment explores how the next generation of walk-behind flooring removal equipment can benefit contractors.

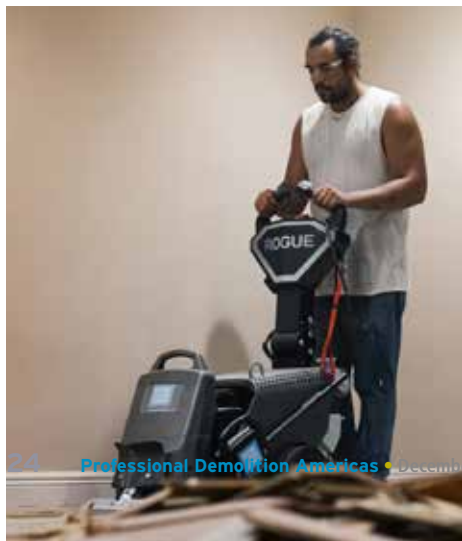
Before installing a floor during a renovation project, contractors must first remove the existing flooring and prepare what's underneath. Choosing the right floor stripper is integral to effectively preparing the substrate ready for new flooring, so contractors must take the time to choose what equipment, or combination of equipment, will work best for the job at hand.

## Choosing a floor stripper

Existing floor covering, power availability and site size and layout are some of the parameters to consider when selecting a floor stripper. In most instances, equipment distributors will recommend using a ride-on stripper to remove hard goods, such as hardwood and ceramic tile and for sites with a large and open square footage. To remove carpet and other soft materials, work in smaller spaces, or to prepare floors where there are weight limitations, walk-behinds work best. There are always exceptions to the rule, of course. For example, if contractors discover from the client that the space has a large square footage, they may assume that a ride-on stripper would provide the best production rate. However, if the space is divided into small units, the doorway is small, or the space is on a higher floor with no access to a lift, a ride on machine might become impractical. In these instances, contractors can look at using a more compact walk-behind stripper. However, if they usually operate ride-ons, they might experience some differences.

## Walk-behind limitations

Unlike all-electric ride-on strippers, legacy self-propelled walk-behind machines are controlled using hydraulics, making the equipment heavy and sometimes difficult to steer. This makes it particularly difficult to effectively remove hard goods, where contractors need a powerful machine. To overcome this, an operator might push his or her whole weight into a walk-behind to remove the covering, which can be tiring, time-consuming, and lead to operators digging into the substrate. Contractors often choose walk-behinds for floor removal jobs on higher stories. Before starting work, contractors can visit the site to see how they can access these higher stories. Is there a lift?



# Schwamborn Presents Innovative Solutions for Efficiency, Health

Regardless of specialty, contractors face the same pressures. The work has to be faster, more efficient and, above all, constantly improved in terms of ergonomics and health protection. Outstanding area performance, especially for large areas, with significantly improved ergonomics are the guidelines on which Schwamborn's latest innovations are based.

## Remote controlled milling machine

The new BEF 400RC milling machine features a 15.7-in (400mm) working width, remote control, traction drive both via cable and battery, an extremely even milling pattern, maximized manoeuvrability thanks to front wheel steering and significantly improved dust extraction. The range of accessories and tools for machine has been expanded to include concrete saws (or cutting discs) in addition to the eight-point carbide milling cutters. With this milling machine it is also possible to cut expansion joints or to prepare the floor for an even greater depth removal by means of deep and even sawing or cutting. The function of setting the milling depth independently on the right and left increases the area of carbide application of the milling machine, which can be controlled ergonomically with the remote control.



## Good news for the demolition industry

Winner of several innovation awards, the WDS 530 wall and ceiling grinding machine can now also be used with excavators. In combination with a quick coupler with swivel rotor, de-coating is now possible in all conceivable angular positions, even when dealing with contaminated material. With the help of optimised dust extraction, the disposal volume can be reduced to a minimum. The WDS 530 not only accelerates the work that is hazardous but also helps to reduce long-term disposal costs. For smaller spaces, Schwamborn's recently introduced WDS 250 offers considerable manoeuvrability, and can be operated with a mini excavator with an electric drive. This new WDS 250 works with a grinding radius of 9.8 in (250mm) and can be fitted with grinding and de-coating diamond tools.



## New generation of diamond tools

For de-coating, subsoil preparation and renovation for the production of concrete floors, Schwamborn offers special tools that are perfectly matched to each other. Gaining ground is the central quality feature here and that is why the new generation of diamond tools has been given the name "Giants." For example, the Giants "Center" clears even the strongest concrete, while the "Wide Receiver Superflex" pads provide the finishing touches at high speed. The diamond tools are available in grades AAA, AA+ and AA. Excellent results are guaranteed by the company with gradation being based

exclusively on the size of the area to be processed in order to enable economic use.

## Focus on dust pollution

The industry has a problem. There are fewer and fewer workers who want to expose themselves to the traditionally high levels of dust and physically demanding work. This means it is all the more important to develop machines, tools and industrial vacuum cleaners that bring lasting improvements in ergonomics and health protection. Schwamborn states that it has already set milestones here in recent years. Remote controlled machines, which no longer expose the workers directly to dust pollution, are just as much a part of the solution to these problems as a perfected and coordinated system for dust reduction. An H-certification of the industrial vacuum cleaners are just as self-evident as the connection between the machine and the vacuum cleaner, which is still often identified as a weak point. Schwamborn's machine adapter suction system, which has now been further enhanced, and is constantly being improved, ensures a significant reduction in construction site dust.





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# New Hilti Wire Saw Cuts Four Bridge Abutments in SW Canada

Canadian Cutting & Coring was hired by Hanna Infrastructure to wire saw four bridge abutments on Highway 3 outside the small town of Hope, BC, approximately 90 miles east of Vancouver. Andreas Kuelz, the company's estimation and operations manager decided to purchase another wire saw, particularly since the existing Plattner saw needed a major overhaul. The choice was a new Hilti DSW 1510-CA.

"Hilti managed to deliver the new saw to the job in just 10 days, which is quite impressive given the supply chain delays we are experiencing in these days," adds Kuelz.

Crew members Chris Beaudoin and Giacomo Ceccolini mobilized to the site on a Monday and cored the holes required for the wire. Each abutment measured 36 ft (11m) long and just over 4 ft (1.3m) deep.

On Tuesday morning, Hilti's Heavy Diamond specialists Rick Russel and Diana Surwilo joined the team to show them the new features on the wire saw. Hilti spent the day onsite with the Canadian Cutting & Coring crew to make sure every detail had been covered.

Kuelz says that for him it was very helpful to learn about the new equipment from Hilti directly on a site.

"On sites like this everything must run very smoothly," he explains. "There is no cell phone reception in a remote place like this. One satellite phone for emergency calls and deliveries to site turns out to be costly due to the remote locations."

The Canadian Cutting & Coring crew finished the four abutments on the following Saturday afternoon. Each abutment was also cut into three sections at a 20-degree angle to the end client's great satisfaction.

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# "Everything For the G

**"Our goal is to create value for our customers and to be a trusted business partner who takes overall responsibility. We are not just a manufacturer that supplies machines and tools,"**

So says Karin Falk who has led Husqvarna's Construction Division since September 2020. Falk following the retirement of Anders Ströby. Falk is also part of the Husqvarna Group Management Team. At the Bauma tradeshow in Munich in October, Falk sat down with PDA's editor-in-chief Jan Hermansson to share some thoughts about the company and the unprecedented nature of today's construction industry.

## **Sustainable growth**

What started off as a side business in the 80's is today a global division with what is probably the widest offering for professionals in the light construction industry. Husqvarna is a leading brand in construction and natural stone processing, with innovative equipment, diamond tools

and services to support its customers in almost every corner of the world, with its growth journey continuing to this day. In the last few years, several acquisitions have been completed that have raised eyebrows in the industry and amongst competitors. Some examples are the 2018 acquisitions of HTC and Pullman Ermator, and more recently, Blastrac and Heger.

"They have all brought us new colleagues with application know how, and strengthened our product offering and our go to market," Falk said

But what drives Husqvarna Construction to continue growing organically and through acquisitions?

"We want to be a more complete business partner for all our customers," Falk added. "Our most important goal is to create value for customers, strengthen them in their business and empower them to explore new business opportunities by offering better solutions in additional application areas."

## **A broader offering from a solutions provider**

Falk explained that when Husqvarna started working with methods, tools, and machines for surface preparation, the company broadened this product area by also including products and services that were not traditionally part of its portfolio, such as compactors, rollers, and concrete placing equipment.

"Today, we basically cover the most important parts that have to do with surface preparation," Falk said citing the acquisition of Atlas Copco's light series of compactors and vibratory plates as well as trowels from Wacker Neuson.

"For us, it is important to constantly be one step ahead and lead development in all our product areas, which of course is a challenge," she said. "We want to give our customers the best support for them to be able to develop their businesses and services. We don't want to be only a supplier of equipment and tools. We want to be a partner to our customers and provide integrated value-added solutions that help them improve their business. And we are continuously monitoring where the market is going, to envision what challenges there are, so that our customers can get more out of their investments, both short and long term."

**Battery powered professional machines are some of Husqvarna's latest and most revolutionary products, including the new battery powered power cutter and a new dust extractor.**

## **Strong investment in electrification**

Clear examples of this approach can be found among the latest product developments. Implementing battery operation among higher power professional machines is a good example of being a partner for today and tomorrow. Today, Husqvarna has two main battery platforms: the BLi 36v battery system, and the Pace 94v battery system. The new K 1 battery power cutter was the first machine launched on the Pace platform and it has achieved great success, providing ergonomics and performance equivalent to gasoline-powered cutters but with all the operator convenience of a battery machine. Several other battery-powered machines have recently been introduced, such as, the innovative and high performing handheld 36v DM 540i core drill motor. A stationary battery drill motor in the Pace system will soon be launched along with the new H-class battery-powered dust extractors, and the all new 18v Knut rebar tyer.

## **Infrastructure projects present opportunities**

Husqvarna Construction is present in all global markets, but is particularly focused on where it is currently the strongest—Europe, North America, and Australia. Other important markets with great potential are the emerging markets. Falk says many countries' strong government investments in infrastructure and rebuilding, due to urbanization and economic development, are well suited to the company's products, which offer improved efficiency, ergonomics and safety.

"Within Husqvarna, we have created a broad product range with improved application efficiency and are well equipped and see good potential to grow further within products used in infrastructural projects," she said. "The investment in infrastructure also takes place within emerging markets, which is also a priority area for us."

Falk acknowledged that concerns remain with the ongoing pandemic, the war in Ukraine, high energy prices and continued supply chain disruptions. Falk says while this has been a challenge for the whole industry, but the greatest value Husqvarna can offer in such uncertain times is to be a reliable partner to its customers.

"We look at what challenges the market outlook present to us and our customers," she said, "and what they expect and need from us."

[husqvarnaconstruction.com](https://www.husqvarnaconstruction.com)





# Good of the Customer"

Karin Falk, president of Husqvarna's Construction Division since September 2020 was interviewed by PDI's editor in chief Jan Hermansson in connection with the bauma show in October.

# BACK IN B

## Technology and togetherness are recurring themes at Bauma 2022.

No one will ever mistake Munich, Germany, for Las Vegas, Nevada. The differences are fairly obvious—foothills of the Alps vs Mojave Desert, medieval cathedral spires vs high-rise casino hotels, and so on. What they do have in common, though, is their respective triennial role of host to the world's largest construction trade shows—Bauma and Conexpo-Con/Agg. And for the former event's most recent edition, there was a bit of gambling involved as well.

You probably already know that Bauma is typically held in April. But for 2022, the organizers moved the event back to October in the expectation/hope that the coronavirus pandemic would be six months further in the world's proverbial rearview mirror.

Well, COVID-19 receded, but high energy prices and economic uncertainty took its place, driven in large part by the war in Ukraine.

To be sure, the situation with the "hot war" just a

time zone away was far different in October than it had been in April. There was little doubt that \*some\* people would come. But how many, and from where? Bauma's organizers had rolled the dice; now it was time to see if they would cash in.

As it turned out, Bauma 2022 had the luck that denizens of Las Vegas's famed gambling dens can only dream of. Though announced attendance of just under a half-million visitors did fall short of the 627,000 recorded in 2019, you would have hardly noticed the difference given the enthusiastic crowds representing more than 200 countries milling through the exhibit halls and outdoor demonstration areas. And there was plenty to see, as the show's approximately 3,200 exhibitors presented equipment and products big and small, for all kinds of applications, including some one might never think of until the need arises.

That's another element that distinguishes Bauma—Conexpo is big, but even a somewhat "smaller" Bauma is still massive, almost to the point of overwhelming. And amid the cacophony of languages and accents complementing the wide variety of tools, machines, and vehicles, the show's lingua franca remains how to do things faster, better, and for less cost—particularly when there is so much more to do now, yet fewer people available to do it.

### What's the buzz

One of the recurring themes of Bauma 2022 was the continuing expansion of electric and alternative-fuel machines, particularly with new inroads into battery-powered mid-sized equipment. This trend is hardly surprising given that Europe is by and large further along the sustainability and conservation curves in both awareness and regulatory perspectives. But with manufacturers such as Cat and Komatsu poised to capitalize on what is sure to be increased emphasis on clean power and emissions reduction certain on the west side of the Atlantic, battery-powered offerings beyond the established compact equipment applications bear watching.

Still, there's plenty of room for expansion of battery-powered technology, as evidenced by the debut of Komatsu's fully-electric compact wheel loader prototype, developed in partnership with Moog Construction, an arm of motion-control specialist Moog, Inc., of East Aurora, NY., which has been involved with large-scale projects ranging from the movable roof at Wimbledon's Centre Court to the Mars Perseverance rover.

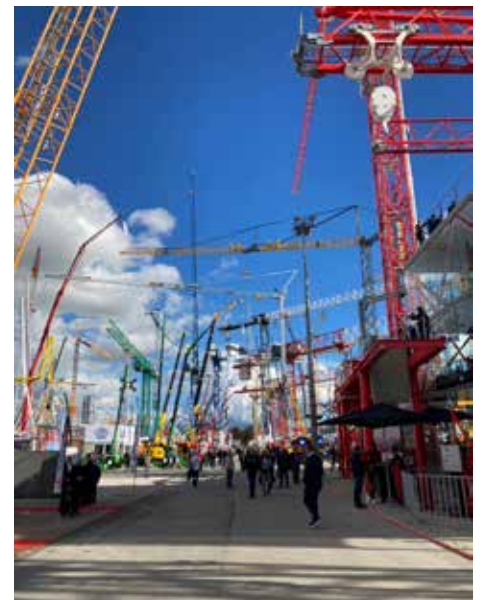
Moog Construction Director Dave Chaves explained that the company's technology replaces conventional hydraulics with a system that includes electric cylinders for the lift, tilt, and steering functions. Komatsu claims that the fully-electric steering system on this loader has made steering the machine much easier and more efficient than a hydraulically driven loader. Moog is now working on creating a version that can be scaled up in



production, which will set the stage for the machine to be commercially viable.

"That's where our experience with motion control and systems integration is really helpful," Chaves said. "We can design systems to achieve greater precision, and help operators get up to speed more quickly."

Moog has already played a role in other electric



**Moog Construction's Scott Scheffler (left) and Dave Chaves demonstrate the company's new high-performance work platform.**



# BUSINESS



construction machines, such as Bobcat's T7X compact track loader, and has developed a high-performance mobile work platform to specific user needs. The key to the patent-pending machine's versatility, explained Chaves, is counter pivot that provides smoother and

better ergonomics, plus the ability to get through doors and other narrow passages.

Moog is also active in another technological area, collaborating with Swiss heavy equipment automation specialist Gravis Robotics on systems that will allow



remote operations of construction equipment from well beyond the jobsite. Chaves says automation and tec

"We're in the demonstration phase now, and hope to have some pilot projects underway in 2023," he added.

Telematics, a more familiar form of technology that seems to have become a staple of mobile equipment and other large machines, has made its way into attachments as well. Italian hydraulic attachment maker Indeco used





its traditional Bauma press event to debut its new Indeconnect remote monitoring system.

Designed as the first step toward “the Internet of Tools” with the goals of preventing equipment obsolescence and maintaining high performance over time, Indeconnect uses 4G wireless technology to transmit operational data including location, hours of work performed, working position, even hydraulic oil and ambient temperatures.

### Global entry

Another US company, Road Widener LLC of Delafield, Wisc., made the long trek to Munich to feature their patented FH-R material placement attachment, which allows the operator of the host machine to precisely dispense topsoil, gravel, asphalt, limestone, and other material via remote control—all with an attachment compatible with common machines that contractors already own. The attachment includes most skid steers, compact track loaders, road graders and wheel loaders.

Road Widener’s stand also included the Offset Vibratory Roller attachment that now includes a spray bar system that aids in suppressing dust particles, compacting aggregates, and preventing clumping when rolling hot mix asphalt. The roller is designed easily compact slopes at angles that would tip a traditional compaction machine.

Even with CONEXPO just a few months away, Road Widener President Lynn Marsh said the opportunity to be part of Bauma’s unique global showcase was well worth the trek to Munich.

“Bauma is worldwide stage for brand awareness,” Marsh said. “Having sold several machines in Europe already, we know there’s an international market for the products. Being here enables us to meet with prospective distributors, which will help expand our footprint further.”

Marsh notes that the machines are already ready for the global market, noting that the FH-R is available in left, right, or dual dispensing configurations to take on



**Road Widener President Lynn Marsh and Business Development Manager Todd Dohnal (right) welcome the U.S. consul to their booth at Bauma.**

any roadway around the world. Both the FH-R and Offset Vibratory Roller fits easily on common-width trailers that can be towed by standard pickup trucks.

“Productivity, efficiency, and labor are worldwide industry issues,” Marsh added. “Contractors will embrace any viable solution, regardless of where they are or where the product comes from.”





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# DEMCON 2022, The Best Show in a Long Time



The European demolition show DEMCON 2022 was a complete success. Everyone, contractors and suppliers, was very happy to finally meet again. It was clearly noticeable. Among the 40 exhibitors and roughly 1,700 visitors, no direct concern was expressed that we are heading for tougher times.

On November 24-25, the Nordic countries' own demolition show, DEMCON, was held in Stockholm. Because the show had been postponed twice over four years due to the pandemic, there was a great deal of interest among exhibitors and visitors.

A total of 40 companies exhibited, representing more than 70 different brands in demolition, hydrodemolition, recycling of demolition debris, concrete cutting, diamond tools, surface preparation, software programs, and many others. Some of the famous brands exhibited were Husqvarna, Brokk, ICS, Tyrolit, Hilti, Pentrunder, Ehwa Diamond, Shinhan, OilQuick, Steelwrist, Rototilt, Milwaukee Tools, Simex, Scanmaskin, Pladdet, Trevi Benne, WLP, Hi Tech Diamond Tools, Lavina, Dustcontrol, and many, many more.

## High quality of visitors

Just over 1,700 people visited the show over the two days and the quality of the visitors was high. Mainly there were professional contractors who work in the



sectors covered by the show. The number of visitors to the show was fairly evenly distributed over the two days. It was clearly noticeable that it had been a long time since both entrepreneurs and manufacturers met in this way. Everyone had a lot to catch up on.



Most of the exhibitors are well known to the Nordic market, but some of the exhibitors were completely unknown on the Swedish market. These were two Indian diamond tool manufacturers, Dee Tec and Hi Tech Diamond Tools. The Swedish trade organization



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Byggnadsberedning, the trade associations IACDS and the European Demolition Association and the Indian Demolition Association were also present at the show.

The harvest of news and innovations may not have been gigantic, despite the fact that the fair had to be postponed twice due to the pandemic, but there was still a lot of news in the stands. On the first evening of the two show days a dinner held on the premises. During the dinner the Swedish Demolition Award ceremony took place where 13 winners were announced.

## DEMCON 2024

The next DEMCON is scheduled for September 19-20, 2024, barring unforeseen circumstances rivaling another pandemic.

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*2020 Attendee Britton Lawson,  
Veit and Company, Inc.*



Father and son, Mauro and Michele Vitulano, founders and owners of Indeco at the recent Bauma tradeshow in Munich, Germany.

# Indeco's Innovative Responses to a Continuously Changing Global Market

Since 2000, Indeco has consistently responded to a progressively differentiated market in search of increasingly specialized products, expanding its product portfolio to include new equipment enriched by the company's technological expertise gained in the manufacture of breakers. The company has since added other types of hydraulic attachments, including multi grabs and hydraulic mulching heads now being produced at US manufacturing facilities.

At Bauma, Indeco launched a number of new products and developments to complement its existing product lines. They include the ISS 8/13 shears, which can be used on excavators from 6t. The ISS 8/13 features a short and sturdy structure, low weight, balance, the design of the jaws modified to optimize the cutting power and increase maximum opening, the presence of four interchangeable and reversible knives and the latest generation piercing tip. A

As Indeco's shears get bigger, the company's multi grabs get smaller. The IMG 300 is compatible with small

excavators (starting from 3t), which has been increasingly requested by the market. Another user-driven innovation is a central greasing point for the Indeco Lube system, which is designed to automatically lubricate smaller hydraulic hammers such as Indeco's HP 200.

Many of the past year's product introductions were also on display. Indeco's new IRC series rail breakers are specially designed for cutting rails for heavy- and light-rail systems. The particular design of the jaws, combined with the efficiency of the hydraulic system and the robustness of the machine body allow the cutting of rails up to approximately 154 lb of mass per yd (70kg/m). Also in 2022, Indeco introduced its the new Indeconnect remote monitoring system, enabling users to see hours of work done, working position in space, hydraulic oil temperature, ambient temperature, GPS location, and other data. Users can monitor productivity, control operation, increase safety, predict and

plan maintenance, and manage any rented equipment.

## Double plate for double protection

Indeco states that the excellent results obtained, in terms of lengthening the tool's life through the insertion of an anti-wear plate on the mobile jaw of its IRP pulverizers, have pushed Indeco to adopt the same precaution also on the fixed jaw. The interchangeable plate will preserve the supporting structure of the pulverizer, allowing it to withstand strong pressures, abrasions and prolonged use in any type of application.

After recently undergoing radical restyling, the range of Indeco mulchers is now being further modified through a series of small but significant improvements in the transmission and placement on the drum of the interchangeable teeth, which are now equipped with a bite limiter that prevents maximum penetration into the



New Indeco rail cutter.

The Indeconnect remote monitoring system.





wood. In this way, it is possible to use the larger teeth of Indeco Cobras to obtain a finer mulching and a more fluid shredding action. This innovation reduces machine stress and increases productivity, making the most of the ratio between the weight of the equipment and the hydraulic capacity of the excavator. In addition to a number of fully owned subsidiaries worldwide, Indeco Indeco also boasts a series of commercial partnerships in countries such as India, where it is currently experiencing strong growth thanks to its collaboration with various local partners. In most emerging markets such as Africa and the Middle East, where Indeco, through its products and network of distributors, collaborates on some of the most important infrastructural works.

[www.indeco.it](http://www.indeco.it)

Indeco IMH 28 mulcher.



Indeco IMG 300 multi grab.

IRP pulverisers has been inserted with an anti-wear plate.

Indeco Lube automatic lubrication system.

Indeco ISS 8/13 shear.



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# Brokk Launches My Brokk, a New Online Service Platform



My Brokk is a comprehensive online support platform that offers multiple services in a single resource. The My Brokk portal offers two new online services – a library of manuals and other technical documents along with a Webshop for ordering parts and attachments – as well as access to Brokk Connect, Brokk's robot and fleet management system. The new portal makes it easier than ever for Brokk customers to access essential services any time of day, from any device or location.

"My Brokk is the next step in Brokk's digital journey," says Brokk Group CEO Martin Krupicka. "Along with efficient equipment, customers also need efficient access to information and services to run their busi-

nesses and optimize their Brokk robots or fleets. My Brokk offers that and will continue to evolve with new services."

Through My Brokk, Brokk owners have online access to equipment manuals, technical data, CE markings and diagrams for the first time. The information is available through My Brokk's Documents module, allowing a customer to find and download accurate, up-to-date materials at any time. The documentation is available for all current Brokk models and attachments, as well as older models.

The Webshop also offers online purchasing for the first time, providing faster order processing and shortened delivery times. Users can view and order a full range of Brokk original spare parts and attachments, such as extra hydraulic breakers. Users can easily locate the correct parts for their robots and see prices listed in their local currency. The Webshop also includes parts for older Brokk models.

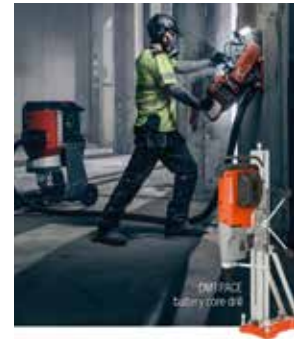
Brokk Connect also continues to evolve, providing real-time updates on machine run time, upcoming maintenance needs and machine location. Wi-Fi is new and optional in addition to the mobile network connection. If a robot loses connection to the mobile network, offline mode is activated. The offline mode saves machine data to be uploaded to the mobile network when the connection is reestablished.

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

**My Brokk is a comprehensive online support platform that combines fleet management capabilities, a document library plus parts and accessories ordering into a single resource.**



# Husqvarna Expands Battery Range



With the DM 1 PACE, Husqvarna expands its offerings to customers needing battery-powered products to do the heavy-duty jobs.

This includes the recently developed battery core drill, which is powered by Husqvarna's own PACE battery system.

"The demand for electrified equipment is growing in many of our segments and markets," says said Joe Taylor, Husqvarna's Sr. Director of Global Product & Service Management. "Our award-winning K 1 PACE high power cutter has paved the way, showing the capabilities we have to support our customers in the shift to a low carbon, resource- smart economy. It's been very well received by our customers."

Husqvarna showcased its proprietary battery solutions at Bauma 2022, along with the latest range of battery and corded machines. The DM 1 combined with the DE 120 dust extractor make the PACE system a strong alternative for customers who prefer to operate with the mobility of cordless equipment with a zero-emission mindset at a construction site.

Taylor says Husqvarna's new introductions at Bauma "reflect the societal challenges the construction industry at large is facing, with sustainability being an integral part in all our product development for a long time. Equally important is that we, as a total solutions provider and partner with local presence all over the world, can support a very wide range of our customer's present and future needs."

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

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# LSM 400 Laser Welding Machine Sets New Standards in Diamond Tool Production

**With the new LSM 400, saw blade laser welding machine Dr. Fritsch strengthens its position as the world market leader in the diamond tool industry.**

In 1989, when Dr. Fritsch launched the first laser welding machine LSM 800, the rather conservative industry was admittedly quite skeptical. Up to that point, brazing had been the common method of attaching segments to the blade. Dr. Fritsch, however, continuously developed the laser technology and launched the second generation of innovative laser welding machines in 1998. Almost 100 units of the LSM 240 were sold and many of them are still in daily use at our customers. The next development step was the LSM 300, introduced in 2009. This machine impressed the industry with its robustness and several new features.

Now, Dr. Fritsch's new LSM 400 saw blade laser welding machine replaces the previous LSM 300 generation and sets new standards throughout the industry in terms of increased productivity as well as process and cost efficiency. Combined with a line scanner, the LSM 400 ensures penetration depths

of up to .25 in (6 mm), resulting in a significantly better connection between segment and blade as well as a visually more attractive welding seam.

Inside the machine up to four cameras ensure precise monitoring of the machine interior. Two of them are used to check the welding seam on the screen. Set-up times are significantly reduced when changing over to other segment shapes. Accessibility of the machine is optimal in all areas, especially for segment feeding and blade loading at the front.

Developed in close cooperation with Diamond Tools Austria, the LSM 400 can accommodate blade diameters of up to 78.7 in (2,000mm), expanding segment heights and thicknesses as well. It's also possible to select a specific side clearance for each individual segment.

Thanks to the LSM 400's new and intelligent program-

ming, the operator saves valuable time during set-up. With optional motorized setting aids, infeed belts are controlled fully automatically, which saves time and prevents operator mistakes. The new programming also performs an automatic calculation of the helical welding path, suggests pre-set parameters, depending on tool dimensions, or assists with the parameter set creation. The graphic panel ensures maximum clarity of operation. Optimally placed protection and suction systems have reduced process-related dirt and fumes to a minimum. Other features include a modular design that enables Dr. Fritsch to respond to individual customer requirements and the energy efficiency of the fiber laser technology.

With the development of the LSM 400 and its advanced features Dr. Fritsch is well prepared to meet the requirements of the construction and stone industry.

[www.dr-fritsch.de](http://www.dr-fritsch.de)





# IDA Convention Trade Show Set

**If you're interested in combining construction equipment with exotic travel, consider next year's DEMTECH India on September 28-29 in Bangalore.**

To be held at the White Petals Palace Grounds, the two-day show coincides with the annual conference of the Indian Demolition Association (IDA), creating a variety of opportunities to exhibit and demonstrate products in both indoor and outdoor settings. The inaugural event in 2019, attracted more than 500 visitors. Although no show has been held the past two years due to COVID, organizers expect significantly more delegates from India, and around the world. The cost to attend for both days is \$75, and includes coffee, refreshments, and dinner.

Volvo has already been announced as the event's Headline Sponsor, but several other options are available.

## Affiliate Sponsor

Eight sponsor places are available at this level, each costing approximately \$12,600 (EUR12,000). The package includes a sponsor banner in all newsletters about the convention and DEMTECH; sponsor banner and logotype on the official website ([www.demtech.in](http://www.demtech.in)); company logotype on all mailings and other materials before and during the conference including leaflets, advertisements, mailings; tickets; and more.

Included during the conference are two rollups placed in a prominent place during the conference and show, a half-page ad in the conference program, three free tickets to the conference and the show, a free stand space of 97 ft<sup>2</sup> (9m<sup>2</sup>), the opportunity to place advertising and brochures in the bags that all delegates receive when they visit the fair and show, a presentation film on several LED screens during the conference, and one year of free membership in IDA.

## Platinum Sponsor

For this sponsor level there are a total of 10 sponsor places and the cost is \$6,311 (EUR6,000). This package includes company logo in all newsletters for the conference and the

trade show, logo on the DEMTECH website, and logo included in all documentation material sent out before the trade show and conference. During the conference, the company's logo is included in the conference program, two free tickets to the conference and the fair, 30% discount on equipment demonstration, and one year of free membership in IDA.

## Gold Sponsor

For this sponsorship level, there are a total of 10 sponsor places and the cost is \$5,000 (EUR4,750). This package includes company logo in all newsletters for the conference and show, two free tickets to the conference and show, one year of free membership in IDA and a 20% discount on the demonstration of equipment at the show.

## Silver Sponsor

For this sponsorship level there are a total of 10 sponsor places and the cost is \$3,682 (EUR3,500). This package includes the company logo in all newsletters for the conference and show, two free tickets to the conference and the show, and one year of free membership in IDA.

## Exhibitor-only Options

Manufacturers also have the option of booking only one stand at the fair. There are a number of different booth sizes and locations available, so please contact [www.demtech.in](http://www.demtech.in) for additional information. There is also a "table-top" display option that includes a table, two chairs, and electrical outlet. Cost is \$1,683 (EUR1,600). (Note: Currency exchange rates are as of December 2022, and may vary widely between now and the event.)

DEMTECH is being organized jointly by IDA and Riverbends Publishing, LLC, publishers of PDa magazine, which will be the event's official publication along with sister publication PDI magazine. For more information about the event visit [www.ida.org](http://www.ida.org) or [www.demtech.in](http://www.demtech.in).





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## Visit Mazio Attachments at CONEXPO-CON/AGG 2023

Mazio Attachments will have its experts on hand in the West Hall, at booth # W43211. Visitors will learn how Mazio's innovative attachments will help them save time and money in the quarry and on the jobsite.

Mazio's newest innovation for 2023 is the Tilt-Rotator for excavators. Tilt-Rotators have seen great interest in Europe, and they are growing in popularity within the US. These supplemental attachments work with excavator tools, such as grapples, buckets, or shears, to provide more versatility and precision. In addition to rotating 360°, the attachment also tilts side-to-side by up to 55°. This reduces the need for the operator to move the excavator while performing tasks, increasing productivity and efficiency.

The Mazio Tilt-Rotator features a hydraulic quick coupler that allows the operator to remain in the cab while changing tools. This means maintenance-free operation with no grease points or cylinders, plus access to narrow spaces and on urban projects with large or small equipment.

Mazio will also feature its complete line of demolition tools; hydraulic breakers; and wear tips for grinders, breakers, shears, crushers, pulverizers, and processors.

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



## Visit Montabert at CONEXPO-CON/AGG

Visitors to CONEXPO-CON/AGG are encouraged to visit Montabert in West Hall booth #W42229 to learn about new developments in rock breaking and demolition tools.

New products to be highlighted at the show include the SD Compact Breaker for rock breaking. The SD line is designed to fit compact carriers such as mini-excavators, skid-steer and backhoe loaders, and mini-excavators, providing versatility and productivity to accomplish multiple tasks with a single carrier, a single operator, and a single attachment.

With fewer wear parts and no tie rods, the SD offers quick and easy maintenance in the field or the shop. Bushings, pins, and tools can easily be replaced in the field without removing the breaker from the carrier. The fully enclosed, soundproof cradle reduces vibrations and limits noise on the jobsite. Lightweight, yet heavy-duty housing protects working parts and hoses. A unique energy chamber acts as hydraulic shock absorber and reduces pressure variations in the hydraulic circuits to provide consistent energy to the breaker. The SD line includes seven models for compact carriers from 1t to 12t.

In addition, Montabert will showcase the Silent Demolition Tools line, offering a wide range of quality tools designed to provide contractors with an excellent price-performance ratio and low maintenance cost. The combination of ultra-wear-resistant steels and top-quality components makes Montabert Silent Demolition Tools versatile, efficient, and durable.

Grapples are designed for carriers from 5t to 100t, and feature 360° rotation, Hardox 400-450 jaws, and Hardox 500 exchangeable blades. Multiprocessor jaws for carriers weighing 8t to 65t include combi-, multifunction and scrap-metal jaws. They offer 360° rotation, speed valve cylinders, and exchangeable Hardox 600 crushing teeth.

In the pulverizer line, Montabert offers both a fixed model and a new 360° rotating model. All pulverizers feature Hardox 400 bodies, exchangeable/reversible blades, and exchangeable wear plates and teeth.

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



## Brokk Introduces 530 Surface Grinder

The new Brokk Surface Grinder 530 (BSG 530) attachment is designed for a wide range of material removal needs, such as paint and asbestos, surface preparation and polishing on walls, floors and ceilings in renovation and restoration applications. Compatible with the Brokk 170, 200, and 300 demolition machines the BSG 530 allows contractors to tackle a range of previously labor-intensive projects up to 10 times faster.

"The Brokk Surface Grinder addresses a gap in the surface grinding market where there is a long history of using handheld tools for ceilings and walls," says Brokk Group CEO Martin Krupicka. "It offers a faster, safer option than manual methods, especially when dealing with hazardous material. We see huge potential for concrete renovation in buildings from the 1970s when asbestos was often used for insulation and fire resistance."

The BSG 530 is fully remote-controlled through the Brokk control box, offering an automated method of stripping plaster, contaminated material, tile adhesive and paint from walls, ceilings and floors. The pairing efficiently removes material through constant contact and high pressure on the surface, resulting in a more even, consistent removal over large areas that is not possible with handheld grinding tools. The attachment can reach 517 lbf (2,300N) of grinding pressure for wall applications and 247 lbf (1,100N) of grinding pressure for ceiling applications. The BSG 530 also has a feature that continually adjusts the grinding pressure to keep it constant.

Along with substantial efficiency and quality gains, a Brokk robot and the surface grinder attachment offer greater operator safety and comfort than handheld tools. Thanks to the remote control, operators can position themselves a safe distance from the removal site, reducing the risk from falling debris and missteps on scaffolding or ladders. They can also distance themselves from dust, especially in decontamination applications.

With the addition of the optional tools, the BSG 530 also can be used for surface preparation, creating a texture ideal for bonding new material. Brokk also offers optional tools for polishing concrete and natural stone on walls, ceilings and floors.

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





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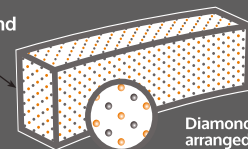
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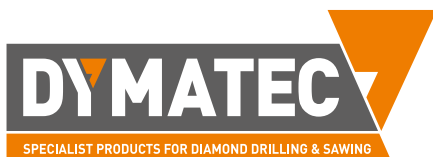
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# Twinca Dumpers a Shrewd Investment for Limited Access Projects

Jason Franken at Super City Concrete Cuttings states that the purchase of the Twinca ES-800 dumper has been a shrewd investment for limited access projects. The Twinca series, which are battery driven mini dumpers, has been developed and manufactured in Denmark but have become appreciated by Australian concrete cutters and demolition companies.

"Our Twinca dumpers are operator friendly and are easy to maneuver and operate," says Super City CEO Jason Franken. "Prior to purchasing the Twinca dumper this type of work was completed with wheelbarrows and a lot of manual labor."

The Twinca dumper has a load capacity of 1,763 lb (800kg) providing superior productivity to manual labor.

One contracted project that Franken shows as an example required the removal of 10 yd<sup>3</sup> (8m<sup>3</sup>) of soil and rock to expose a concrete footing at the base of a hospital wall. Pairing the battery-powered Twinca dumper with an electric Brokk 160 met the hospital's requirement for minimal noise and vibration during the excavation process. Because the 115-ft (35m) route from the excavation zone to the skip bin involved traversing a set of stairs, a temporary ramp was installed to allow the Twinca dumper to safely manage the incline when loaded.

The excavation and removal of the material was completed in six hours. The Twinca dumper started with a fully charged battery and at the end of the shift had 45% charge capacity remaining.

<https://supercity.com.au>





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

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