

Volume 11 • Issue 1
Feb - April 2023



**CONEXPO
CON / AGG**

SHOW ISSUE 2023

PROFESSIONAL DEMOLITION AMERICAS

Your Gateway to North, Central and South America

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ISSN Registration:
ISSN 1650-979X

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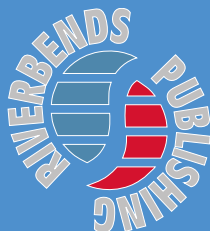
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Publisher
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Cover Picture:
Kemroc.

The magazine Pda, Professional Demolition Americas is published four times per year in North and South America. The annual airmail subscription rate is US\$ 45. All subscription correspondence should be directed to: The subscription department, Riverbends Publishing, LLC, P.O. Box 552, Nokesville, VA 20182, USA. Or sent by e-mail to info@pdamericas.com. Pda is mailed by second class postage. ©Copyright Riverbends Publishing, LLC, 2013-2023. Printed in the US.



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The Way We Were

As we write this piece at the end of February, all trends point to a positive Conexpo 2023. Exhibit space is sold out, reasonable hotel rooms are at a premium, and—best of all—there’s no earth-upending event like a pandemic on the horizon.

Many trade show veterans—at least those who had timely outbound plane reservations—already speak of 2020’s mass exodus from Las Vegas with a glint of sentimentality, an experience shared with thousands of other industry professionals desperate to get home before the worst happen, even if we weren’t sure at the time what the “worst” would be. Well, we found that out pretty quickly, didn’t we?

Now, it seems mid-March will see a reverse migration from across North America and beyond with a similar shared goal—to take part in and enjoy a “normal,” largely restriction-free construction mega-show amidst the Las Vegas glitz that never goes out of style, but rather gets reinvented from time to time.

(I still thank the cable TV gods for running the original “Ocean’s 11,” “Diamonds Are Forever,” and “Casino” in the two weeks leading up to my first visit to Vegas many, many moons ago.)

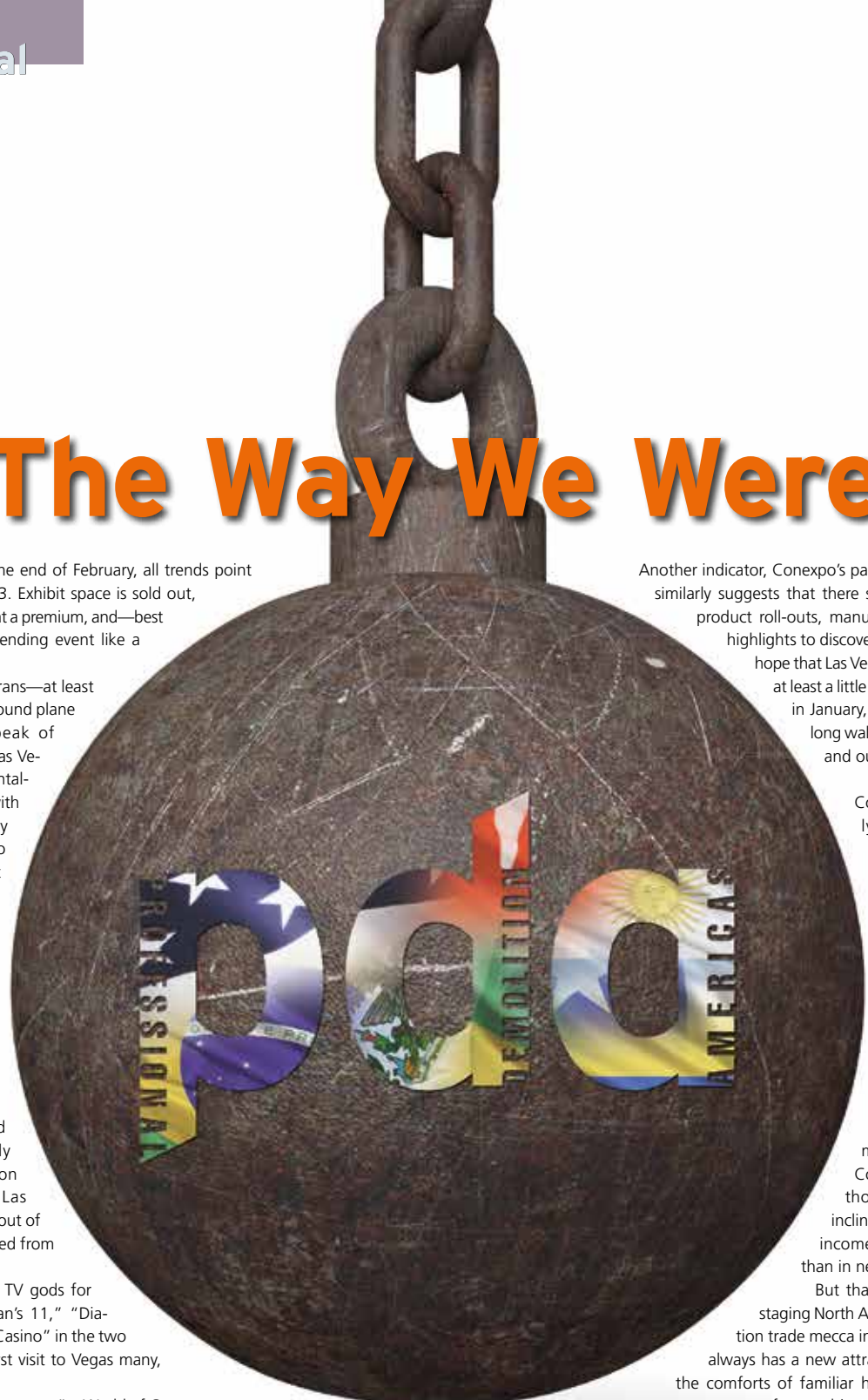
Conexpo 2023’s “warm-up act”—World of Concrete—came close enough to its pre-pandemic numbers to suggest a return to the way things used to be, before masking-up and social distancing became part of the daily lexicon. To be sure, the shows’ respective target audiences overlap only so far. But at least the idea of trekking to a crowded industry trade show appears near-universally appealing again.

Another indicator, Conexpo’s packed press event calendar, similarly suggests that there should be no shortage of product roll-outs, manufacturer news, and other highlights to discover amid the aisles. Let’s just hope that Las Vegas’s mid-March weather is at least a little more springlike than it was in January, as there’ll surely be some long walks through the exhibit halls and outdoor areas.

Could anything rain on Conexpo’s parade? Certainly. Some areas continue to struggle economically, while elevated costs and supply chain hiccups, though easing, are still very much with us, on and off the jobsite. It’s also the rare construction firm that isn’t contending with a staffing crunch. Any of these factors could depress those seeming rosy attendance numbers or dim the mood around the Las Vegas Convention Center, leading those who do attend more inclined to invest their disposal income at the gambling tables than in new equipment.

But that’s part of the wisdom of staging North America’s triennial construction trade mecca in Las Vegas. Just as the city always has a new attraction to offer along with the comforts of familiar haunts, Conexpo provides acre upon acre of gee-whiz construction innovation in the company of long-time dealer and manufacturer contacts, and thousands of other folks who have come for the see what there is to see. And have a good time doing it...just like old times.

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 Membership On the Rise

Congratulations to our new NDA President for 2023-2025—James Milburn of Milburn Demolition, Bellwood, Ill. James was elected at our most recent annual meeting of the members March 9. Under James’s leadership, NDA will implement its new strategic plan that presents opportunities to build on the successes from the previous years to meet the needs of the industry. Based on the 2022 member needs assessment, meetings with and the Executive Committee, and a growth session at our fall meeting, three themes emerged: membership, workforce, and safety. At the end of the growth session, there was consensus to recruit and retain top-tier demolition companies, launch chapter networks and member workforce recruiting and retention tools, credential 300 demolition supervisors by 2026, and develop laborer/field worker-level certification by 2025. The strategic plan was approved by the board at its February meeting. I would like to thank Past-President Scott Homrich for his dedication to the Association and all we accomplished under his leadership. The association grew by more than 70 members last year and just finished Demolition Phoenix Convention & Expo with nearly 1,100 attendees.

Here are some other accomplishments of the past two years:

- **Formalized our alliance with the US Occupational Safety and Health Administration** – This allowed us to expand existing relationships between NDA and OSHA’s regional and area offices to address industry health and safety issues; develop and disseminate materials and effective training aids aligned with current regulatory information, interpretations, and enforcement initiatives; and develop and review demolition best practices.
- **Developed the industry’s first certification** – This certification will complement our Foundation of Demolition Training Series. Our first certification testing is slated for this year.
- **Launched a dynamic membership directory** – The directory allows members to download primary contacts for member organizations. It also is excellent resource for members seeking products and services from trusted partners.
- **Created two guidance documents** – NDA’s Industry Committee undertook the task of creating *Guidance for Demolition of Power Plants and Guidance for Implosions*. Once complete, OSHA will provide these guidance documents to industry stake holders as a resource.
- **Launched the Demo on Demand digital offering** – This content hub is NDA’s online resource for sharing the intelligence of demolition contractors and equipment manufacturers, and delivering the forward-looking insights you need to succeed in an evolving industry.

There are many other recent accomplishments of which NDA can be proud, and are testament to our progress as an organization and industry.

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. 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 or apply for membership online at demolitionassociation.com.

Finally, as we get back to work after Demolition Phoenix, we hope you will make plans to join us at Demolition San Antonio, March 6-9, 2024, as NDA celebrates its 50th Anniversary.

Jeff Lambert
Executive Director

www.demolitionassociation.org

Durex Products Launches New Website

Durex Products, Inc. has launched a new website at durexproducts.com. Designed with a fresh, modern look; improved, more intuitive navigation; and enhanced functionality.

Durex took significant time in creating its new website to think through not only how the company itself does business, but also what information its customers would seek, and why. On the new website, Durex has categorized its products by both type and industry, allowing visitors to search in multiple ways to best find their desired solution.

A comprehensive overview from the home page leads to detailed information for each product. Through the use of 3D rendering imagery, Durex has created clear and precise visual representations of its products.

The company has added many new features and dynamic content to the site, including updated and more complete product section with improved navigation; the ability to search by industry; customer stories, news, and events; an improved dealer locator with map; and new product literature.

www.durexproducts.com



Yanmar CE and ASV Officially Join Forces to Become Yanmar Compact Equipment North America

Yanmar Compact Equipment North America (YCENA), encompassing the Yanmar Compact Equipment and ASV brands, has finalized its status as a single legal entity. The major milestone comes three years after the Yanmar Group acquired ASV Holdings, Inc. Now, the Yanmar Compact Equipment division in North America and ASV officially join to become YCENA.

Yanmar CE and ASV have operated as YCENA from a commercial standpoint since July 2020. The alignment as a single, legal entity allows for a better, more capable, and dedicated compact equipment entity focused on leadership in the North American compact equipment market. It will also allow

a wider range of compact equipment offerings long-term, offer a single way for compact equipment dealers to do business with YCENA and strengthen the global Yanmar Compact Equipment team.

The Yanmar CE and ASV brands will remain distinct under YCENA with each brand retaining its product lines and dealer networks. Currently, Yanmar Compact Equipment offers mini excavators, compact wheel loaders, and tracked carriers with a focus on commercial construction, residential construction, utility, and rental applications. ASV offers compact track loaders and skid steers popular in the landscaping and forestry markets.

www.yanmar.com

Yanmar Compact Equipment North America, encompassing the Yanmar Compact Equipment and ASV brands, finalizes its status as a single legal entity.



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Event Calendar

CONEXPO-CON/AGG 2023

March 14-18, 2023
Las Vegas Convention Center,
Las Vegas, USA

www.conexpoconagg.com

CSDA ANNUAL CONVENTION & TECHFAIR 2023

March 29-31, 2023
Hamilton Princess Resort & Beach Club
Hamilton, Bermuda

www.csda.org

ISRI CONVENTION & EXPOSITION 2023

April 17-20, 2023
Music City Convention Center,
Nashville, TN, USA

www.isri2023.org

ARA Show

March 12-15, 2023
Orlando Convention Center
Orlando, FL, USA

www.arashow.org

SAMOTER 2023

May 3-7, 2023
Verona Exhibition Centre
Verona, Italy

www.samoter.it

CONCRETE SHOW BRAZIL 2023

August 8-10, 2023
Sao Paulo Expo, Sao Paulo
Brazil

www.concreteshow.com.br

IDA CONVENTION AND DEMTECH TRADESHOW

September 28-29, 2023
Bangalore, India
www.indiandemolition.org

www.demtech.in

EXPOCIHAC MEXICO 2023

October 11-13, 2023
Centro Citibanamex, Mexico City,
Mexico

www.expocihac.com

INTERMAT 2024

April 24-27, 2024
Villepinte, Paris Nord,
France

www.intermat.fr

DEMCON 2024

September 19-20, 2024
InfraCity, Stockholm,
Sweden

www.demcon.se

BAUMA CHINA 2024

November 26-29, 2024
Shanghai Exhibition Center,
Shanghai, China

www.bauma-china.com

WORLD OF CONCRETE 2024

January 23-24, 2024
Las Vegas Convention Center,
Las Vegas, USA

www.worldofconcrete.com

Erkat Moves Into New Production Facility

Drum cutter equipment manufacturer Erkat has moved into a new production facility. The new plant is located in the Thuringian town of Dermbach, Germany, not far from its old site. Erkat, part of the Epiroc Group, will significantly expand its production area for drum cutters at the new plant.

"We have a unique opportunity to expand our portfolio and help shape the future of Epiroc with our strong team," explains Martina Schierholz, General Manager of Erkat. "The innovative power and agility of our team is an important location factor, so moving to another country was out of the question. Our location is and will remain in



Thuringia, for products made in Germany."

Torsten Ahr, Vice President Marketing for Hydraulic Attachments at Epiroc, adds that Erkat's drum cutting technology will play an important role in Epiroc's future.

"The products from Thuringia are marketed under both Erkat and the Epiroc brands," he says. At the new site, we want to further optimize our production and continuously work on improving our portfolio. And we want to develop new products that are tailored precisely to the future challenges of our customers. That's what the Erkat team is known for worldwide."

Recently, with the help of the Erkat engineers, Epiroc became the first manufacturer to succeed in creating a V-shaped drum cutter that revolutionizes trench construction and delivers optimal results in many other application areas. A VC 2000 cutter will also be on display at Conexpo at Epiroc's stand in Hall C, booth 31348.

www.erkat.com
www.epiroc.com

DEVELON

DEVELON Debut Continues Live, and on Video

While many manufacturers will be bringing new equipment to Conexpo, Doosan will bring a new name, announcing in January that it has rebranded itself as DEVELON. According to the company, work began to identify a new brand name following the August 2021 sale of Doosan Infracore to HD Hyundai (formerly Hyundai Heavy Industries Holdings Co. HHIH). The name DEVELON was chosen to "convey the company's drive to develop onward to bring innovative solutions to the construction equipment industry through technological transformation and the development of exceptional equipment and services."

A new video, now available on the company's YouTube channel (still called Doosan Infracore, by the way), provides further details about the brand's new vision

and generate awareness for DEVELON. In addition to information about the company's long history in the construction industry, the video includes an interview with the CEO of Hyundai Doosan Infracore, Young-cheul Cho, who discusses the reasoning behind the new brand name and introduces the vision and purpose of the brand. "When coming up with a new name, we had many ideas that could represent our brand's direction and value," Cho says. "That is why we came up with the combination of the two words 'Develop' and 'Onwards'. We believe these words show the brand's purpose to advance the development of our world with new products and solutions."

The CEO of Hyundai Doosan Infracore, Seung Hyun Oh, will also be featured in the video and aims to assure DEVELON

customers of the company's continuous commitment to satisfaction and innovative solutions.

"I have witnessed all the changes our company has gone through," says Mr Oh. "From Daewoo to Doosan, and now DEVELON, even though the brand name changes, I can proudly say that our core value, to satisfy the needs of customers through endless product and technological innovation, hasn't changed."

Dedication to changing the future for customers and providing value beyond the product is of utmost importance for DEVELON, which is why the brand values will remain the same. DEVELON is excited about the opportunity to build a better future and continue to evolve with the shifting market. Conexpo visitors can get to know DEVELON at Conexpo stand F9153.

Simex Enters US Market at Conexpo



Simex announce the US launch of its entire range of cold planers and wheel saws for loaders and skid steer loaders at Conexpo 2023. Participating in North America's largest exhibition for the earthmoving sector will not only be an exhibition opportunity for the company, but it will also mark the beginning of a new strategic and commercial phase for Simex products in the US market.

The opening of the new US branch office in 2021 has resulted in a guaranteed stock of equipment and spare parts and, consequently, faster delivery times, prompt pre- and after-sales service, and on-site installations supervised by qualified staff. At the same time, the expansion of the sales and dealer network has provided valuable insights into the market's diverse needs.

For example, the entire range of PL asphalt cold planers and wheel saws from the RW and T range will be marketed in the US, opening up a new direction in the field of road maintenance and underground utilities with more than 30 models for loaders, compact loaders and excavators. Starting with the consolidated Simex milling technology, developed and fine-tuned in over 30 years in the business, the entire PL line will be guaranteed to American road maintenance operators, from 10 to 80 in (250 to 2000 mm) in width, and up to 14 in (350 mm) in depth.

Conexpo 2023 will also provide the ideal venue for the widest road cold planer in the attachment market, the PL 2000-80,

which, with its 80-in (200cm) drum, can reach 160 in (4m) in just two passes.

In the mini- and micro-trenching sector, the range of RW and RWA wheel saws will steal the show due to their unique features such as a self-levelling system, which adjusts to the surface; the segmented wheel that makes it possible to quickly change the trench width, while maintaining the same base wheel; and the hydraulic lateral tilt of the RWA 500 model, which keeps the cutting wheel vertical, even when the prime mover is not parallel to the road surface.

Simex also will present innovative skid steer equipment designed for roadworks applications at Conexpo, including the D-BLADE 200, a floor saw with diamond blade for cutting depths up to 8 in (200 mm). The D-BLADE range was created with the intention of incorporating asphalt diamond saw technology into skid steer loaders, ensuring increased safety for operators. The Simex asphalt saw is ideal for linear cuts on road surfaces, for concrete, and for creating expansion joints on continuous surfaces.

One of the most frequent uses of the D-BLADE is the removal of predefined sections of asphalt for subsequent restoration or for opening new road manholes; however, it is often used to make sharp cuts for laying fiber optic cables. The clean and burr-free cut produces minimal waste material and avoids trench deformation, facilitating the filling phase and ensuring restoration quality.

www.simex-na.com



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How to Diversify Your Pools with Intention and

By Julie Davis,
SHRM-CP, Sr. Director,
Workforce and Industry
Initiatives Association
of Equipment
Manufacturers (AEM)

If you feel like there are fewer workers to be found these days, rest assured, you are correct. A decrease in the rate of births, declining since the 1970s, coupled with decreasing labor market participation, more job openings, a shortfall of immigrants and a surge of retirements, is creating a workforce problem that is hard to ignore.

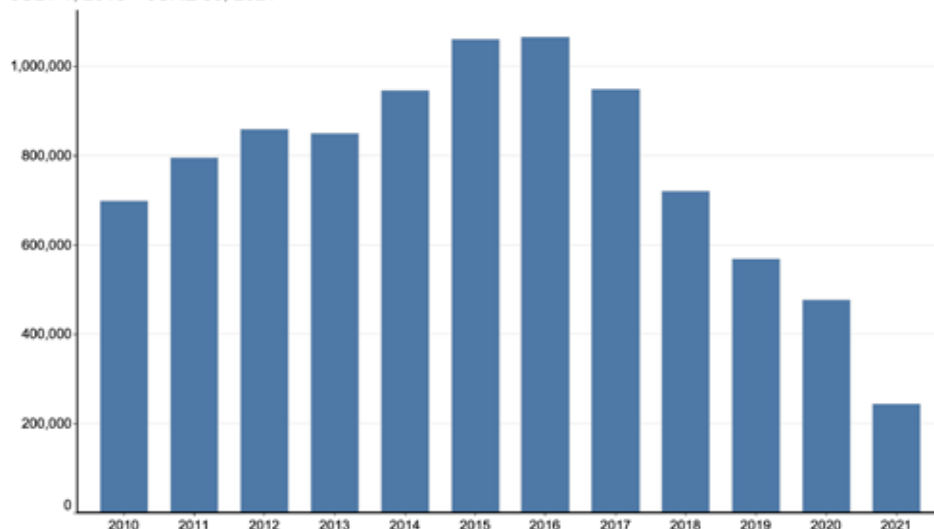
Although we continue to experience the challenge, many of us still cling to the flawed idea that continuing to do what we've always done will somehow, some way, finally yield positive results. So, for those of you who need a bit more convincing, let's take a look at the data, create some urgency around why you need to make some changes and then talk about potential new and effective approaches to recruiting.

The numbers don't lie

The U.S. needs more than 2 million more people in the

NET INTERNATIONAL MIGRATION

JULY 1, 2010 – JUNE 30, 2021



Source: U.S. Census Bureau, Vintage 2021 Population Estimates

Labor Force Participation Rate 2008 - Present
www.UnemploymentData.com
Updated: 12/2/2022



labor force to recover to the 63.4% labor force participation rate we had in February of 2020, just prior to the beginning of the COVID-19 pandemic. We also need 175 million more people in the labor force to just bring us back to the number of people who were working at

that time. (NOTE: The labor force participation rate is only a measure of currently employed individuals and people actively seeking work.)

Employment opportunities are plentiful

The job market is currently booming, with millions more jobs available than there were prior to COVID-19. As of early 2023, there are just over 10 million job openings, an increase of 3 million jobs from February of 2020. That means contractors with openings are not only competing with others in the industry, but also with all the interests, skills and talents one person has that overlap with every open position. There are many more opportunities to change career paths and just try something new. According to the U.S. Bureau of Labor Statistics, the average term workers stay with their respective job is four years. However, for those younger than 35, that average drops to 2.8 years.

Immigration may not be a long-term solution

Many companies are looking to immigration to help offset their labor challenges. It is a hedged bet, however, and one that may help only in the short run. Consider the fact that net international migration is decreasing. Birth rates in many of countries we get immigrant workers from are slowing, and unemployment there is low. The onset of COVID-19 and advancement of restrictive immigration policies resulted in a sudden

Workforce Talent and Maximize Results

drop in our immigration numbers. At the beginning of 2022, we were running 2 million immigrants short of the trend taking place prior to 2019, the restaffing of immigration offices has allowed us to make up much of the lost ground. However, the past two years has shown the fragility of planning on immigration to close workforce gaps.

Retirements can't be overlooked

The other workforce pressure we find ourselves experiencing is the growing retirement rates. Quite simply, it is something many of us knew was coming. However, it is also something for which many of us have not adequately prepared. The combined forces of fewer people, more jobs, uncertain immigration and a high level of retirements created a perfect environment for changing how we look at recruiting. After all, as we have learned, doing what we have always done is not

even getting us what we use to get.

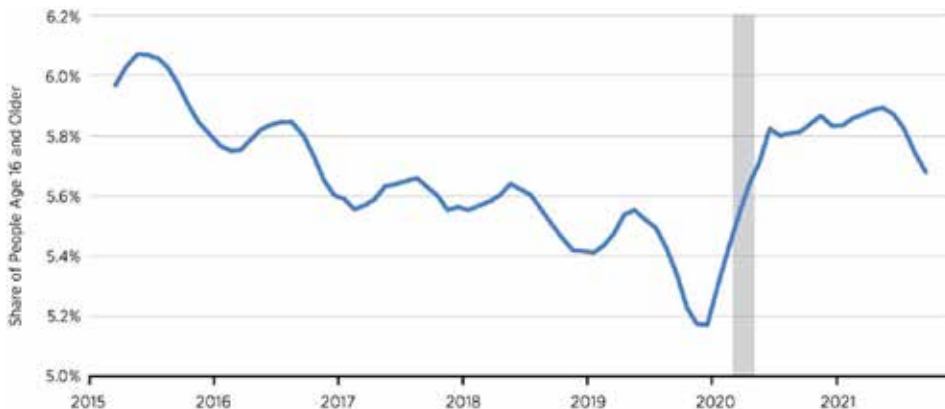
Recruitment efforts must change

Let's approach recruitment with two ideas in mind—who's available and willing to work, and of that group, who's not represented in our workforce. This can be easily done by segmenting the workforce into population pools and determining the availability of each of the population pools. If you recruit from the mainstream pools you always use, you recruit from the pool with maximum competition.

When reviewing the talent pools, a few things should be considered:



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- The largest most under-utilized talent pool with the highest rate of unemployment is the second-chance or ex-offender talent pool. Many correctional facilities have skills training programs that fit manufacturing needs. Approximately 650,000 second-chance citizens return to their communities annually. The chance of being a repeat offender drops significantly a person has a living-wage job. If you have not engaged with this audience before, now is the time. The chances are good that you have neighboring businesses that are hiring from this talent pool. They'll gladly testify that these employees are some of the most loyal you can find.
- Manufacturing needs to draw from the minority talent pool. Let's stop considering diversity optional and start finding creative ways to market to minority population pools. Think about where you're placing your ads, what your wording implies about your company culture, and ways that you can invite this talent pool in and make them feel welcome.

shows

Conexpo-Con/Agg



The Association of Equipment Manufacturers is organizing its biggest show ever March 14-18 in Las Vegas. The Covid pandemic has surely created a pent-up need to meet again.

CONEXPO-CON/AGG, better known simply as Conexpo, has officially sold all available exhibit space, guaranteeing that the 2023 edition of the show will be the biggest in history with more than 2,400 companies on hand.

"The addition of the new West Hall and Diamond

Lot at the Las Vegas Convention Center gave us, and our exhibitors, a number of new opportunities to show how we are taking the construction industry to the next level," says Show Director Dana Wuesthoff. "Now at 2.8 million square feet [260,000 m²] of exhibits, there's more for construction pros to see than ever before."

Despite being the largest Conexpo ever, recent additions to the Las Vegas Convention Center will make it the easiest to get around as well. The free underground Convention Center Loop transports convention attendees throughout the campus in under two minutes.

"We are excited to welcome Conexpo back to Las Vegas for another record-setting event," said Brian Yost, chief operating officer of the Las Vegas Convention and Visitors Authority, which owns and operates the LVCC. "The addition of the West Hall and the Convention Center Loop will only further enhance the 'Only Vegas' experience for attendees and exhibitors."

Construction pros are ready for the show to return as well. The current pace of attendee registration is nearly double what it was at this time for the 2020 show.

"This is the event that construction professionals,



shows

2023 Biggest Ever!



especially those making company-level decisions, and those needing professional development hours, can't miss," said AEM Show Chair and Caterpillar Senior Vice President Phil Kelliher. "Seeing the new equipment and techniques on a screen doesn't compare to seeing it all in person. At the show, you can see the equipment, ask questions of the manufacturers themselves, and really understand what the equipment and education can do for your career and business."

www.conexpoconagg.com



Some Quick Facts

Purpose

CONEXPO-CON/AGG (Conexpo) is the international gathering place every three years for the construction industries, focusing on construction, aggregates, and ready-mixed concrete. The event features exhibits of the latest technologies and innovations in equipment, products, and services, plus extensive industry-targeted education.

When

Held every three years, Conexpo is set for March 14-18, 2023, at the Las Vegas Convention Center. Conexpo co-locates with the International Fluid Power Expo (IFPE) for fluid power/motion control/power transmission.

Who

Conexpo is designed for everyone involved in all segments of the construction, aggregates, and ready mixed concrete industries, including contractors, materials producers, and government and institutional sector officials.

Exhibits

Conexpo exhibits showcase the latest technologies and innovations in equipment, products, and services for the construction industries. Product concentration areas and specialized exhibit pavilions make it easy for visitors to locate specific products, services, and exhibitors of interest.

Education

Conexpo offers a comprehensive education program during the five-day exposition, with seminars emphasizing industry issues and trends, management, and applied technology.

Industry Support

Leading industry organizations worldwide participate as Supporting Organizations, and leading industry publications/media worldwide participate as Supporting Publications/Media. Conexpo is recognized as a gathering place for the worldwide construction and construction materials industries. Hundreds of industry meetings, including annual conventions of industry associations, are held in conjunction with the show.

Show Sponsors and Producer

Principal sponsors are the Association of Equipment Manufacturers (also the show producer), the National Ready Mixed Concrete Association, and the National Stone, Sand & Gravel Association (NSSGA). Show sponsor is Associated General Contractors of America.



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Selected list of exhibitors at Conexpo-Con/Agg 2023

ALLU Group Inc	EPIROC	NPK Construction Equipment, Inc.
AMCAST	EPPICO RODMAN DRILL	OilQuick
Ammann America Inc.	Furukawa Rock Drill USA	Okada America, Inc.
Anaconda USA, Inc.	Geith International Ltd	Quick Attach
Antraquip Corporation	General Grind & Machine	Ramco Steels Pvt. Ltd.
Astec Industries, Inc.	Genesis Attachments	Rammer
Aquajet Systems	Geophysical Survey Systems, Inc.	REMU USA, Inc
AUSA US CORP	GrinderCrusherScreen Inc	Rock Tools Attachments, LLC
Avant Tecno USA	Hidromek A.S.	Rockbreaker Tools
Bell Equipment North America, Inc	Hinowa S.p.A.	Rockster Austria International GmbH
Bobcat Company North America	Hitachi Construction Machinery Americas Inc	Rockwheel Americas
BossTek	Hyundai Construction Equipment Americas	Rototilt Inc.
Brokk Inc	IDROMECCANICA ITALIANA	RUBBLE MASTER
Brunner & Lay	Inan Makina San.Ve Tic. A.S.	RubbleCrusher
Buffalo Turbine	INDECO North America Inc	Sandvik
CAMS AMERICA	IROCK Crushers LLC	SANY
Canycom USA Inc	ITALMAGNETI SRL	Sennebogen LLC
CASE Construction Equipment	Jetstream of Houston	ShearCore
CM Labs Simulations Inc.	John Deere Construction & Forestry Company/ Wirtgen Group	SIMEX
CORIMAG SRL	Kanga Loaders	Sinoboom Intelligent Equipment
Cormidi USA	Kinshofer	Soosan Heavy Industries Co., Ltd.
Cratos Equipment	KOBELCO Construction Machinery USA	SPRAYSTREAM
DAEMO Engineering Co., Ltd.	Komatsu	Stanley Infrastructure
DEVELON / Formerly Doosan Construction Equipment	Komplet America	Steelwrist Inc.
Diamond Blade Warehouse	Kubota Engine America Corporation	Superabrasive, Inc.
Diamond Mowers	Kubota Tractor Corporation	Takeuchi
Diamond Speed Products	Liebherr	Talbert Manufacturing Inc
Diamond Z – Screen Machine	Link-Belt Excavators	Teledyne Construction
Dougherty Forestry Mfg.	Lippmann	Toku America, Inc.
DOZCO (INDIA) PVT. LTD.	Magnum Attachments Inc	Trevi Benne SPA
Dynaset Oy	Mazio Attachments LLC	V.T.N. EUROPE S.p.A.
Eagle Crusher Company Inc	MB Crusher America Inc	Volvo Construction Equipment
Element Six	MCS North America, Inc	Wacker Neuson
Engcon North America	Metso Outotec	Wirtgen Group
Epec Oy	MobyDick	World Diamond Source
	Montabert	Xtreme Manufacturing
	Nakayama Iron Works, Ltd.	ZOOMLION



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CONEXPO-CON/AGG

STAND F8038
FESTIVAL GROUNDS

STAND N12563
NORTH HALL

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 MAGNET GENERATORS
 MAGNETS
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POWER WASHERS
 STREET WASHING UNITS
 PIPE CLEANING UNITS
 DUST SUPPRESSION
 DRILLING FLUID PUMPS
 FIRE FIGHTING SYSTEM

AIR COMPRESSORS
 BIN WASHING SYSTEM
 POWER BOOSTERS
 POWER TAKE-OFF
 VIBRAS
 ETC.



DYNASET.COM

Aqua Cutter 750V Takes Hydrodemolition to the Next Level

Aquajet's newest hydrodemolition robot, the Aqua Cutter 750V, features a first-of-its-kind "infinity" oscillation pattern, allowing the robot to remove more concrete in a single pass while still reducing shadowing, eliminating the risk of pipe holes and providing an ideal bonding surface. Like all Aqua Cutter Robots, the 750V cleans and descales rebar without causing microfracturing. It also maintains exceptional horizontal, vertical and overhead reach, making it suitable for a wide variety of concrete removal tasks, including renovation and infrastructure repair.

The Aqua Cutter 750V shares several similarities with Aquajet's innovative Ergo System. The infinity power head has Ergo style spring tensioned rollers and quick connection to the roller beam. It also uses absolute sensors, which means it automatically adjusts at the touch of a button. With a larger roller width and a new triangulated base frame for improved stability, the infinity power head contributes to precision while improving the hydrodemolition result.

As part of the revolutionary design, the Aqua Cutter 750V also includes an upgraded version of the Evolution Control System. First released in 2004, this innovative control system still features Aquajet's patented qual Distance System, as well as the ability to cut shapes and remove concrete at different depths in the same pass. The new version ratchets up its performance even more with an oscillation menu that automatically calculates optimal settings for the operator. This not only maximizes production from the machine, but also prevents miscalculations from manual adjustments.

Another key feature is remote control engine start-and-stop, making it possible for the operator to stop or start the robot from a safe distance and eliminating the need for the machine to run all day. In addition, the machine will automatically shut down if there's no activity for a certain amount of time, saving battery power.

www.aquajet.se

Aquajet's new Aqua Cutter 750V.



Raising the "Bar" With Boosters

For demanding applications, take your compressor's pressure levels to new heights and maximize productivity with high-pressure boosters. While the pressurized air supplied through a standard compressor is more than sufficient for many industrial processes, certain applications require pressure levels to be taken up a notch—or 10. In these instances, adding a high-pressure booster is the ideal solution – and carries with it an abundance of efficiency, safety and productivity benefits.

As the name suggests, a booster increases pressure levels of a primary feed air compressor, it works in tandem with the primary unit by taking the air and passing it through additional compression stages, creating up to 10 times more pressure. Atlas Copco, market-leader in compressed air solutions, offers boosters that can increase pressure from a standard unit to anywhere between 1,000 and 5,000 psi (69 and 345 bar).

Versatility and profitability

There are air, nitrogen and gas treatment booster solutions for all high-pressure applications, which are ready to be integrated into a wide range of industrial processes. Designed to suit the most demanding of operations, they are particularly useful for deep geothermal, exploration, and water well drilling, and pipeline testing. All Atlas Copco models are standard equipped with a lifting eye and forklift slots and weigh as low as 6,500 lb (2,948kg), meaning they can be transported to even the most remote offshore projects with ease.

Using a booster that offers versatility is also key to avoiding wasted energy. Atlas Copco's Xc4004 Smart air controller, for instance, enables users to easily define the booster's output pressure with a touch of the button. In a high-pressure drilling application, the drill speed can efficiently be increased, reducing the cost-per-foot drilled, thereby improving overall profitability. The modular design of the company's dual stage boosters also allows the user to change from dual to single stage, giving more control of the utilization rate of their investment.

Maximum safety, minimum maintenance

The ease and speed of a booster's maintenance and servicing is impacted by the quality of its components, the tools needed, and the accessibility of maintenance-prone components (such as the pumper block or the drain points). Atlas Copco boosters can be maintained by one service technician within four hours, as the standard components are easily accessible and do not require a crane or special tools.

Boosters should also include all necessary safety mechanisms – both visual and auditory – that adhere to legislative requirements. Atlas Copco's state-of-the-art Xc4004 controller continuously monitors all vital parameters of the booster, and in case of pending failure, will protect the user's investment by automatically shutting the unit down to avoid damaging core components. The technology even indicates when preventive maintenance is required, maximizing uptime.

These high-pressure, ingenious machines are ultimately much more than just a booster. And with a broad range of both standard and custom-designed models available on the market, any demanding application can reap the benefits of integrating boosters into their compressed air packages, no matter how unique or tough the conditions.

www.atlascopco.com



AUSA Products on Display at Conexpo



AUSA will be located at Conexpo stand F9576 to showcase machines from across its product lines—dumpers, rough terrain forklifts, and telehandlers. The dumper, AUSA's flagship product, improves profitability for worksites as it is able to carry out earthwork much faster than a buggy. When combined with a mini-excavator, this makes for a winning pair compared to skid steer or backhoe loaders, which are much slower due to the large number of tasks they have to perform.

AUSA will be presenting its recently launched D151AEG electric dumper at the 2023 edition, with a 3,300-lb (1,500kg) payload and swivel-skip. Its new 100% electric technology provides sufficient range for a complete and intense shift, and it can be charged directly via 110 V or 230 V sockets, taking just two hours to charge from 20% to 80% (230 V). The DR601AHG reversible drive dumper will also be on show, presenting its 13,200-lb (5,987kg) capacity and swivel-skip, along with its reversible driver's seat, meaning the vehicle can always be driven forwards for better visibility and safety.

In addition, AUSA will also present its 7,700-lb (3,490kg) capacity D350AHG dumper; the C251H and C501H



rough terrain forklifts with 5,000-lb (2,268kg) and 11,000-lb (4,990kg) capacity, respectively; and the T235H telehandler, with

a 5,000-lb (2,268kg) payload and a maximum lift of 16.4 ft (5m).

www.ausa.com

Genesis Attachments Showcases New GDT 890 for Large, High-Reach Projects

Genesis Attachments has formally unveiled the new GDT 890, the largest Razer Demolition Tool available. Fitting 905 and larger excavators, the GDT 890 features an industry-leading 64-in (162.5cm) jaw opening with a 62-in (157.5cm) jaw depth and over 13-ft (4m) reach, making it ideal for large, high-reach demolition projects.

Available in five models, the GDT a versatile tool for jobs of different sizes and applications, including general and bridge demolition, concrete recycling, and construction and demolition processing, thanks to its short, flat-top head with bolt-on bracket that simplifies installation and switching between excavators.

Customers can also select from several arrangements of reversible crushing teeth to further configure their GDT for optimal material processing. The new

GDT 890 Razer will be prominently featured at ConExpo booth C30034.



www.genesisattachments.com

www.pdamericas.com • Issue 1-2023 • February • April • Professional Demolition Americas

Fat Truck Pushes the Limits with New 8x8 Vehicle

Zeal Motor Inc. the manufacturer of the famous Fat Truck® is proud to announce the official production launch of its new Fat Truck® 8X8, designed to answer the specific need to transport heavier payload or additional crew in the harshest terrains.

Available in two variations, the Fat Truck® 8X8 answers the market demand of having an amphibious vehicle that can carry a high payload of 5,000 lb (2,262 kg) or a crew of 16 workers. The vehicle is capable of traveling at 25 mph (40 kph) on land, 3mph (5kph) on water, and safely climbing steep muddy hills with grades up to 75%.

The 8x8's footprint is 1.9 psi at its maximum payload-five times less than a human. The innovative articulation allows the vehicle to climb vertical walls of 4 ft (1.22m) effortlessly. The Fat Truck® 8X8 will debut at Conexpo in booth S63729.

www.fattruck.com



HydroRam HK45 Hydraulic Hammer with Skid Steer/Mini Combo Bracket

RJB Hydraulic Hammers has introduced the HK45, a dual-function bracket that works with both a skid steer and mini excavator, allowing rental yards and dealers to offer customers a single hammer with both types of machines. Having the ability to instantly exchange brackets to meet customers' specific needs allows rental yards and dealers greater flexibility in their hydraulic hammer offerings.

The choice to create a combo bracket for the HK45 was based on feedback from rental yards that already carry HydroRam hydraulic hammers. The HK45 is a 1,000-lbf (1,356 Nm) impact class hydraulic hammer, designed to work with most skid steers, small loader backhoes, and medium-sized mini-excavators. This particular model is a solid, versatile hydraulic hammer that makes easy work of larger concrete jobs. This tough model has been very popular model, especially since it comes with a nearly 3-in (76.2 mm) tool diameter.

While the price of the Combo bracket is more than buying a skid steer plate and top bracket separately, the cost savings become apparent with the labor savings over time. Switching out a skid steer plate for a top bracket and pins can be a time-consuming effort. With the skid steer/mini-excavator combo bracket the operator can simply detach the skid steer plate by pulling out the pin set in less than five minutes. Reinstalling the skid steer plate is just as easy as



when it was taken off. Customers who have a solo bracket and wish to upgrade can simply purchase the combo bracket and utilize their existing pin set for their mini excavator. Just like a universal top bracket, the combo bracket will align to

most min-excavators. The hole pattern on the top bracket portion of the combo bracket allows for a large combination of pin sets to use with this configuration.

www.besthammers.com

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Mazio Attachments Ensure the Right Tool for Every Job



The complete line of demolition attachments from Mazio Attachments offers contractors the tools they need to complete any demolition job, from primary and secondary crushers to multiprocessors, pulverizers, and grapples. Mazio offers six main attachment models, designed to fit 1t to 130t excavators.

With two hydraulic cylinders providing high strength for primary crushing, the RS Series crushers are ideal for crushing concrete, while reducing noise and vibrations. The RS offers a full 360° of rotation for accurate positioning, Hardox®/Weldox® structure, reversed cylinders to protect the cylinder rods, pressure relief valve, and interchangeable teeth and blades. The RV Series hydraulic rotating crusher works well in both primary and secondary demolition. Featuring a regenerative circuit for quick jaw opening and closing and a hydraulic rotation of 360°, the RV Series provides precise positioning of the crusher in every working condition. The RV features a Hardox 400 structure, reversed cylinders to protect the cylinder rods, pressure relief valve, and interchangeable teeth and blades.

The functional and versatile MC Series multiprocessor with interchangeable jaw system is ideal for the contractor who works in both primary and secondary demolition. A fitting kit allows the jaw to be changed for demolition, recycling, and scrap applications. The MC Series has a Hardox/Weldox structure, dual reversed cylinders to protect the cylinder rods, pressure relief valve, and multiple jaw kits. Mazio FPV Series pulverizers for secondary demolition and recycling needs feature a 100% Hardox steel structure, reversed cylinder to protect the rod, interchangeable teeth and blades, and a pressure relief valve.

The MP Series of mechanical pulverizers provide speed and strength in pulverizing a variety of material on the demolition site, while also separating reinforcing rods from concrete. The MP Series requires no hydraulic installation because they utilize the piston pushing force of the excavator's penetrating arm to operate. Mazio's GR Series selection grabbers are built from wear-resistant steel and are designed to nimbly grab demolition materials for sorting and loading.

In addition to its comprehensive product line, Mazio's demolition experts work in tandem with its dealers to provide contractors with guidance on ways to increase their produc-



tivity and profits, ensuring success. All Mazio demolition tools come with a 12-month warranty with no operating hour limitations.

www.mazio.us

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Tramac, Montabert to Co-Brand at Conexpo

Visitors at the Montabert® Conexpo booth W42229 will have the opportunity to learn about the company's recent acquisition of Tramac, a long-time distributor of Montabert breakers branded under the Tramac name. Tramac is also a manufacturer of quality rock breaker booms.

Two stationary Tramac booms will be on display in the co-branded booth, as part of the companies' full product lineup of rock breaking and demolition tools.

In February 2022, Montabert acquired 100 percent of Tramac's US and Canadian businesses. For more than 50 years, Tramac has been a top global Montabert distributor, with its own boom-manufacturing facilities located just outside of Montreal, Canada.

"Many people may have been unaware that Tramac hammers are actually manufactured by Montabert, and these hammers are highly regarded because of Montabert's renowned performance and quality," notes Aaron Scarfia, General Manager for Montabert USA. "With the acquisition, we are on track to further product development and expand our rock breaker business globally. The co-branding and display of Tramac booms in our booth offer visitors the chance to see how our collective expertise will improve their business." In addition to the Tramac booms, Montabert's product highlights



at Conexpo include the SD Compact Breaker for rock breaking. The SD line is designed to fit compact carriers such as mini-excavators and skid steers. Additionally, Montabert's new line of Silent Demolition Tools, including grapples, processors, fixed and rotating pulverizers, and scrap shears offer contractors multiple options for demolition and recycling applications.

New LAVINA Grinders from Superabrasive

Superabrasive is excited to launch the all-new LAVINA S7 Grinders. The S7 machines have a completely new design and features that will make contractors' work easier and more efficient than ever. The grinding head is now completely sealed and dust-proof for longer service life and less maintenance. Redesigned chain-driven planetary drive, new stronger timing belt, upgraded shafts and pulleys are just some of the changes that take these grinders to the next level of operability and reliability. The new frame design with upgraded weights and handle allows for better control, easier tool changes, and fewer vibrations. The first S7 machines, 25- and 30-in (635- and 762-mm) in both propane and electric models, will be available in the 2nd quarter of 2023, with more sizes to follow later in the year.

www.superabrasive.com



Tyrolit's New WSL-ULTRA FAST CUT Blad is "Ultimate Solution" for Challenging Concrete Walls



When it comes to wall sawing, Tyrolit has been the first choice for concrete drilling and sawing professionals for decades. Within the broad assortment for wall sawing, users find a wide range of machines and tools for various applications and concrete aggregates.

In order to extend this range, Tyrolit recently launched the WSL-ULTRA FAST CUT wall saw blade, a tool specially developed for the fast cutting of concrete with a very high degree of reinforcement and low-abrasive aggregates. The blade is recommended for normal feed depths and is available in diameters ranging from 23.5 to 47.2 in (600 to 1200 mm). Laser-welded segments in TGD® Technology ensure consistently fast, yet smooth cutting.

The WSL-ULTRA FAST CUT wall saw blade is the perfect companion for Tyrolit's best-selling WSE1621 wall saw, but it can also be used with other electric and hydraulic machines of up to 27 hp (20 kW).

www.tyrolit.com

The WSL-ULTRA FAST CUT wall saw blade is the ultimate blade for the fast cutting of concrete with a very high degree of reinforcement.



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Retail Space Rings Up Customers Throughout Renovations

The major challenge when renovating floors in large retail areas is to disrupt ongoing sales operations as little as possible. In furniture stores in particular, there is also the major challenge of working with as little dust as possible.

For that reason, Schwamborn, one of the leading manufacturers of state-of-the-art floor grinding machines, was the first choice for the renovation of a 64,583 ft² (6,000 m²) furniture store sales area in Offenburg, Germany.

In the first step, the floor covering consisting of PVC, linoleum, and carpet was removed with a ride-on floor stripper. A Schwamborn DSM 800RC, a three-disc grinding machine that can be operated with remote control, then carried out the heavy work of removing the remaining filler and epoxy resin coating.

The DSM 800RC was equipped with new Schwamborn Giants 20-grain C-SSC tooling. These powerful AAA-class grinding diamonds impress with their durability and thoroughness on large surfaces. A set of grinding diamonds, each with a tool life of 12,916 ft² (1,200 m²) carried out the preparation of the substrate, including the removal of filler and epoxy resin so efficiently in one grinding operation that the floor was prepared to mineral purity at the same time. This allowed fast sectional installation of a new polyolefin floor covering while operations continued.

The full strength of the Schwamborn system is particularly evident in furniture stores with dust-sensitive exhibits, in which machines, diamond tools and the integrated dust



Removal of filler and epoxy resin down to mineral cleanliness of the concrete subsoil with the DSM 800RC



The soil after stripping.

extraction system are so perfectly coordinated that not only the floor can be renovated extremely efficiently, but also keep the environment dust-free. Thanks to high-performance dust separators, such as the STA 550 in this case in combination with the Schwamborn STS 750 industrial vacuum cleaner, this can be disposed of cleanly and without any problems with the least possible amount of waste.

After the grinding, the floor was primed and the cracks in the subsoil were repaired with epoxy resin in accordance with the standards. The furniture store was able to enjoy a new, attractive, and durable floor on its large sales area in a very short time.

www.schwamborn.com



The grinding discs of the DSM 800RC were equipped with the new Giants SSC tooling.



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every obstacle,
shattered all doubts,
built our success.**



VTN Anniversary



vtneurope.com

Mecalac Adds Three Dealers, Expands US Coverage

Mecalac has added three new US dealers, including one specializing in railroad equipment, while existing dealers have expanded their coverage areas. Mecalac now has 22 dealers in North America. The new dealers include:

Columbus Equipment Company, which covers the state of Ohio. The company has more than 70 years of experience, offering heavy equipment sales, parts, service and rentals through nine branch locations.

Anderson Equipment Company, which serves West Virginia, western Pennsylvania, and most of New York state. Founded in 1935, Anderson Equipment Company offers earthmoving and mobile equipment to the construction, mining, roadbuilding, and specialty material handling industries.

Superior Sales & Service, headquartered in Plattsmouth, Nebraska, covers North America and specializes in railroad equipment. The dealer will offer Mecalac's full line of dedicated railroad excavators primarily to Class 1 Railroads and related contractors.

In addition, Global Machinery has extended Mecalac's reach in the western US by adding Arizona and Utah. Founded

in 1994, the dealer provides specialized equipment solutions for several branches of the construction industry. EquipmentShare acquired six Trekker Tractor locations in Florida, and introduces its construction

equipment sales and service operations for Mecalac machinery as Case Power & Equipment of Florida. The dealer bolsters Mecalac's presence in the state, offering statewide coverage outside of Pensacola.

Mecalac dealers focus on three core product lines—the MCR Series of crawler skid excavators, the MWR Series of wheeled excavators, and the AS Series swing loaders.

www.mecalac.com





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Senya Micro Plant, Mobile Crushers Now Made in USA

Senya Crushers has established a Micro Crusher and Micro manufacturing plant in Raleigh, NC. Along with having these products entirely made in the US, the move has allowed Senya to make some important upgrades to the Micro Crusher lineup.

"The move will give us a greatly increased production capacity as we continue to have tremendous growth," says Senya founder and president Sun Jui. "It will also give us expanded service capacity as we will now inventory every single component that goes into our machines, giving immediate parts shipment and delivery."

Along with the move Senya has made a substantial commitment to carrying more inventory in its Micro Crusher lineup with the goal of always having Micro Plant machinery in stock all the times. In the event that the company's growth exceeds its production, it

will now take be a few short weeks to get back in stock versus earlier with months of sea cargo shipments from overseas.

"Senya Crushers continues to push the envelope as the world leader as we pioneer the micro crushing category in aggregate processing engineering only the most cutting-edge technology in the business," Jui says. "There is simply nothing in the world even close to the crushing power, portability, production and reduction rates, durability, convenience, efficiency, longevity, and profitability of our machines."

Jui encourages current and prospective customers to visit the new Raleigh facility and see the quality and service behind Senya Crushers. A MADE IN USA upgrade and webpage can also be found at Senya's website, senyacrushers.com.

www.senyacrushers.com



STIHL Inc. Names Auditorium in Former President's Honor

STIHL Inc. kicked off the new year paying homage to and dedicating its U.S. headquarters' auditorium to former President Fred J. Whyte. On Jan. 10, 2023, Whyte's wife, Karen Whyte, and STIHL Inc. President and CEO Terry Horan unveiled the newly named Fred J. Whyte auditorium during an afternoon ceremony at the company's administration building in Virginia Beach.

Whyte began his STIHL career in 1971 as a regional manager for STIHL American, the same company where his father had worked for nearly two decades. In 1982, the Stihl family asked him to establish Canadian operations for STIHL. After 10 years with STIHL Ltd. in Canada, he was named STIHL Inc. president in 1992, a role he held for 23 years.

Under Whyte's presidential tenure at STIHL Inc., the company experienced 22 years of annual increases in sales and

revenue and became the number-one-selling brand of gasoline-powered handheld outdoor power equipment in America. He retired from this position in December 2015, and served as sole director and chairman of the board of directors for STIHL Inc. In this advisory role, Whyte provided strategic counsel to the company's executive council and reported to STIHL International, where he worked closely with the Stihl family in Germany. Whyte passed away in July 2017 at age 70.

www.stihlusa.com



AIRTEC Ltd. - Industriestrasse 40
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Goldhofer's New Benchmarks in Innovation on Display at Conexpo

Goldhofer will present a variety of products at its Conexpo outdoor stand D2239. Here's a preview of what visitors will see:

STZ-VL lowboy trailer

Time is the key in the grueling everyday world of road transportation. In this context Goldhofer's STZ-VL double drop semitrailers are a convincing choice in all respects. They are designed for fast and easy front-end loading and, in spite of their low deadweight, will reliably handle very high payloads. An additional pin-on flip axle brings greater flexibility and payload as well as the adaptability to operate across state lines with differences in heavy haul regulations.

P12 PLUS

The ultimate in flexibility for a wide range of transportation operations is the new P12 PLUS highway trailer. It offers decisive advantages for successful operations with a modern fleet. The vehicle can be



adapted to handle the various loads that go with everyday heavy haul operations and thus ensures optimum fleet capacity utilization. In the 12-axle version, the P12 PLUS offers a maximum payload of up to 127 t, with a 12t axle load. It also has the flexibility to be operated in a 9- or 6-axle version. The vehicle's universal character is underscored by an extensive range of accessories including loading decks and turntables for transporting long and heavy loads using the steerable dolly.

The latest generation ADDRIVE

The ADDRIVE 2.0 is an intelligent solu-



tion that combines the advantages of a towed heavy-duty module with those of a self-propelled module. With its enormous driving force, it can support the tractor up to a speed of 31 mph (50 kph). The drive unit then disconnects automatically and can be reconnected at lower speeds without stopping. ADDRIVE 2.0 makes it possible to switch from the supporting function for road transportation to off-road operation as a self-propelled vehicle. This means savings in terms of time and costs, and greater efficiency and flexibility for every fleet.

The FTV 850 blade carrier

The FTV 850 is designed for maximum

safety and stability for wind turbine transports, building on Goldhofer's decade of experience in this area. Narrow passages in built-up areas, forests and winding roads present no problems to this maneuverable combination. The largest blade carrier to date can be used not only in the basic width of 9.8 ft (3 m) but also in split combinations with a width of up to over 13.1 ft (4 m). Depending on the configuration, the latest generation of wind turbine blades requiring a load moment of up to 850 megatons can be picked up and transported on a highly flexible basis.

www.goldhofer.com



TANA, Humdinger Equipment Team up for Conexpo



TANA North America and Humdinger Equipment will be exhibiting at Conexpo to showcase a variety of products to a global audience. One of the featured items will be the TANA Shark 440Dteco, a versatile mobile waste shredder with excellent capacity and productivity. TANA Shark shredders have multiple unique features, and offer better fuel efficiency and lower machine operating costs. Robust machines have been built to last and maximize uptime.

TANA shredder and TANA disc screen form an ideal machine chain, as they can process the same waste types at the same speed. With the disc screen's modular screening deck design, the machine can be easily configured for two or three fraction screening based on the customer's needs. With the TANA Disc Screen, the screening process can be easily optimized based on materials, feeding methods and



process requirements. Humdinger pull scrapers have a proven track-record in a variety of construction, mining, and agricultural applications against traditional self-propelled systems.

Visit TANA and Humdinger at Booth S5473 in the Silver Lot, and discuss the latest topics in waste management.

www.tananorthamerica.com

McCloskey Environmental Expands Product Offerings

One year after launching the brand, McCloskey Environmental's growth globally is driving its expansion into fast-developing markets, including North America. McCloskey Environmental partners with companies that have the expertise to deliver comprehensive and cost-effective solutions for their customers. Recent appointments for distributors across North America will ensure there is appropriate expertise and support for the full range of products including shredders, trommels, and stackers.

Products introduced in 2022, including the ES-250 and ESS-300 shredders, are already assisting in diverting millions of tonnes of waste from landfill, building on McCloskey's more than 35 years of designing and manufacturing industry leading trommels, crushers, screeners and stackers working in a variety of applications.

The products developed by McCloskey Environmental will deliver significant advantages to their operations, including lower cost of ownership, lower cost of production, and ease of operation and maintenance. These advantages are paired



with the need to meet the increasingly stringent regulations being introduced worldwide. McCloskey Environmental is in the perfect position to provide recycling products and solutions to assist customers in meeting these standards. Over the past

twelve months a team of highly skilled and experienced Design Engineers have developed an impressive range of smart solutions that achieve higher levels of efficiency than required.

www.mccloskeyenvironmental.com

Indoor Atomized Dust Control Creates Safer Workplaces

The compact DustBoss® DB-10 is the latest addition to Boss-Tek's line of atomized mist cannons. Engineered for enclosed working environments, the easily maneuverable unit provides excellent suppression in a compact, portable design. The outcome is effective airborne particle control with fewer emissions, less standing water and a safer, more compliant workplace.

The compact mist cannon is mounted on two wheels with a tall handle, making it light and easy to maneuver, while still offering industrial-level dust control. A 7-hp fan delivers 3335 CFM of airflow, powered by 120V current. Mounted on the front of the cannon is a circular manifold with twelve atomizing nozzles that fracture pressurized water into a fine mist. About as loud as a hand-held hair dryer, the fan forces air through the barrel then pushes millions of tiny droplets in a cone-shaped pattern up to 30 ft (10 m). Using the 0-50° vertical adjustment, the mist can reach into the rafters of warehouses or be directed at specific emission zones.

The DB 10 is offered with a standard wheeled carriage, but can be specified with alternate mounting as needed.

Atomized Mist

Beyond space constraints, the DB-10 solves several issues associated with dusty indoor operations. During indoor demolition, for example, harmful dust can fill the area and drift across the site line, creating a violation, but atomized droplets stop dust at the point of emission. Workers are often assigned to use hoses for small-scale dust suppression, which adds to the labor cost, whereas the DB-10 requires no labor to run. Moreover, being in proximity of large machinery and falling material can be hazardous to personnel.

One driver of the new design is the fact that hoses create droplets up to 100x larger than atomized mist, far too large to capture airborne particulates. They can use up to 100 gpm (378 lpm) of water, causing excessive standing water and runoff, a potential hazard. The DB-10 addresses all these issues.

The DB-10 produces droplet sizes of 50-95 microns



The reduction in dust reduces dust intake improved equipment life.

in size, roughly the same as the cross-section of a single human hair. This is important because regulators test for respirable dust 10 microns or less, like those found in indoor demolition. The slipstream created by droplets greater than 200 microns in size can deflect tiny respirable dust particles, rather than absorbing them. That's why hoses are generally not effective against airborne dust. Using less than 1/4 of the water volume of a handheld 1-in (25.4mm) hose, the DB-10 fills the area with a dust-trapping mist that stops particulates from remaining airborne or migrating away from the area. The wide area of distribution and gentle settling reduces the chance of pooling and runoff.



The compact size allows the DB-10 to occupy small spaces where other units may not fit.

Easy to maneuver, the DB-10 can be located and set up in seconds by a single worker.



The DB-10 proved its mettle during a recent indoor demolition. The contractor found that disruption to storage piles of recycled material was causing airborne dust emissions. Although piles could be covered at night, activity during the day was causing particles to drift into neighboring communities. An onsite demonstration of the DB-10 showed the contractor that the atomized mist pulled the dust out of the air at the point of emission, preventing it from traveling across the site line. The fog cannon effectively controlled both airborne and ground-level particles with no runoff or puddling. As a result, the contractor purchased two machines for different projects.

bosstek.com

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World of Concrete 2023 offers a

The 2023 edition of World of Concrete might well have rank among the most anticipated events in show's 49-year history. On top of the usual curiosity about what new product offerings equipment manufacturers would debut for the new year, WoC's longstanding status as an early-calendar industry barometer for the U.S. construction market presented no shortage of questions.

Would, for example, the show sustain its post-pandemic rebound, especially in a Conexpo year? Would inflation concerns temper attendees' interest in adding to their equipment inventories? And would WoC's somewhat slimmer three-day exhibition schedule set an example other trade shows might follow in these digitally driven times? Numbers provided some largely positive answers to WoC's organizers, as the 2023 edition topped 48,000 registered attendees, up nearly 30% from last year's Omicron-shrouded event. That's also just 6,000 below the figure recorded in 2020 when Conexpo—and a few other things—loomed just a couple of months away. Generally crowded aisles and outdoor exhibits also seemed to suggest that for a few days at least, any economic worries were remained beyond the limits of the Las Vegas Convention Center.

"We've been surprisingly busy, something we weren't expecting in a Conexpo year," observed Vinny Vilela, managing director and chief technology officer for wastewater purification and filtration systems maker Matec America. "And we got some good, quality leads."



GOOD!

a welcome dose of normal times.





More battery-powered products are on the way from Husqvarna.

Buzzing about

The atmosphere at WoC 2023 was electric in other ways as well, with several manufacturers spotlighting their new or expanded lines of battery-powered tools.

For example, Husqvarna's expansive outdoor booth showcased additions to its PACE 94V equipment, including a preview of its DE 120 vacuum, scheduled for release later this year. Best powered by the B750X battery, the vacuum is designed for a wide variety of heavy-duty applications. Also on display were i-SERIES 36V products, including the DM 540i battery-powered drill and DE 110i battery powered dust extractor, both of which are designed for tasks with limited elbow room. Husqvarna also announced an update to its Vari-Cut blade range, designed to provide higher cutting speeds and longer blade life.

Hilti likewise continued the rollout of its 22V Nuron platform, announcing that 30 additional products will join the product line this year. Heading the list is the 38.4-lb (17.4kg) TE 2000-22 jackhammer, which the company says provides 28.2 lbf (38.2 Nm) of impact

energy and up to 1,800 blows per minute. A Bluetooth feature also allows users to activate a companion vacuum remotely.

Bosch also announced plans to more than 30 tools to its CORE 18V platform during 2023, with more than half to be rolled out by spring. Booth visitors could get their hands on many of the early arrivals, including the 15.4-lb (7kg) PROFACTOR 1-5/8-in (41.28mm) SDS-max and Bulldog SDS-plus 1-in (25.4mm) rotary hammers, which deliver 6.7 and 1.8 lbf (9 and 2.4 Nm), respectively. Both models also feature kickback control technology, brushless motor efficiency, and can be recharged to 80% in less than a half-hour using the Bosch turbocharger.

Other new 18V additions for concrete and masonry applications from Bosch include to 5-to 6-in (127- to 152.4mm) grinders—the PROFACTOR angle and X-Lock paddle switch, and SDS-max Hammer Dust Collection attachment for R-tec chisels that use an energy-diverting reflection element to increase material removal by 15%.



Paul Guth of iQ Power Tools shows a new masonry saw featuring an integrated dust collection chamber.

Steve Shepherd, vice president and general manager for Bosch Power Tools North America said that while the company is happy with its CORE platform, it continues to evaluate other technologies, including those being used by competing manufacturers.

"A lot of them are expensive," he said, "and we have to consider the needs of workers and power requirements, as well as the price point."

STIHL's latest entry in the battery-powered arena is the new 8.6-lb TSA 230 STIHL Cutquik® cut-off machine, which can be fitted with up to 9-in (228.6mm) blades for a maximum cut depth of 2.75 in (70mm). Run time is approximately 18 minutes per charge using the recently introduced A P500 S laminate cell battery system. More tools will be added to the platform in the coming years, company representatives said.

While many other types of battery-powered equipment to be found, DMI Tools stole the show with its electric mini dump truck. With an 8.34 ft³ (28,317 cm³) payload capacity for transporting loads of 1,100 lb (500kg) across open jobsites and through narrow



Ingvi's 32-in (813mm) HTG 820RC grinder made the rounds literally and figuratively by remote control.



World of Concrete visitors get their first look at a new propane-powered addition to Superabrasive's LAVINA grinder line.



A Bosch representative shows off the PROFACTOR 1-5/8-in (41.28mm) SDS-max rotary hammer, one of the newest additions to the company's 18V platform.



Makinex US President Amy Col (left) and Sales & Marketing VP Jim Wilson say the company is poised to take advantage of the trend toward electric- and battery-powered equipment.

passages, the whisper-quiet tiny truckster can run for up to eight hours on a single charge and operate at speeds up to 3 mph (5 kph).

To provide power all these electric gadgets on the jobsite, Makinex is looking to extend its presence in the on-site power market. In the next few months, the company says it will launch its 43-hp (32kW) 480v Power Generator. According to Makinex US President Amy Col, the 900-lb (408kg) generator will provide less than 3% harmonic distortion, no transients, or voltage spikes on load rejection, making it particularly attractive to the grinding and polishing segment. In addition to its multi-battery Charge Pod, Makinex is working on refreshing its Portable Power Box that made its US debut at the 2019 WoC.

"We're only ones with power and portability," Col said, "and our goal is to make our line even stronger and deeper."

By the way, if you're curious about the other end of the electric mobility spectrum, Mack Trucks President Jonathan Randall expects electric vehicles to make up

more than a third of his company's sales by the end of the decade.

"What we sell today, we will have an electric model for it 2030," he said. He added that interest in electrification is growing among users, particularly those pursuing projects with contractual incentives to use renewable power.

Other tasks, other tools

Batteries weren't the only power source in evidence at WoC 2023. Superabrasive debuted the latest addition to its LAVINA line of grinders with two 30-in (762mm) propane models—the 19-hp (14.2kW) L30GS7 and the 24-hp (17.9kW) L30GKS7. Both offer features such as a new frame design to facilitate better control and easier tool changes, a sealed and dust-proof head, and lighter timing pulleys for better power transformation.

Another interesting entry in the always crowded grinder market was Ingvi's 32-in (813mm) HTG 820RC, with a control system that includes an autopilot feature. Remote control is also available for Ingvi's 28-in

(711mm) HTG680A, and the Tank-1500 ride-on grinder with a grinding width of 61 in (1,549mm).

Among the wide range of saws seen around the show were US Saws' MC-800P "Joint Hog" milling machine/saw, developed as part of a new partnership with fellow Florida manufacturer Titan Saws. The MC-800P designed to remove concrete sections up to 4 in (101.6mm) wide and 1-3/4 in (44.5mm) deep to repair spalled joints. It can also be used for grooving, cutting inlays, and to prep for permanent line striping in floors.

Closer to home, figuratively speaking, Southern California's iQ Power Tools showed its iQ1550 21.5-in (546mm) Dry-Cut masonry saw featuring an integrated dust collection chamber that holds 75 lb (34kg) of dust. Later this year, the company plans to introduce a new rail saw to cut 48-in (1,219mm) lengths of 20mm porcelain tiles. Making its global trade show debut WoC was Lissmac's UNICUT 610 hydraulic deep cutter, with a towering 86-in (2,184mm) blade. The show also marked the Lissmac's first major US appearance since the German company forged a new partnership



The 38.4-lb (17.4kg) TE 2000-22 cordless jackhammer joins Hilti's 22V Nuron platform this year.

with New York-based diamond cutting manufacturer DDM Concut.

"So far, the partnership is working out well, and there's a lot to look forward to," said Lissmac National Sales Director Mitch Scott

Other WoC debuts could be found at DITEQ's booth, with a new line of diamond saw chains and bars to compete with Oregon, Toolgal, and Maxcut. Engineering Manager Mike Orzechowski says the Diteq Diamond Chain has a unique cage to minimize

stretching, while uniquely shaped segments expedite break-in to dress the chain on the initial cut. DITEQ's standard "S," chain has great speed and life for every-day cutting, Orzechowski added, while the Life, or "L," chain segments use the same kind of bond, albeit with a much higher diamond concentration.

"Therefore, it is a very fast-cutting life chain that can be used on heavy reinforced concrete," Orzechowski explained. "We will be launching more options soon pending successful testing results."



Lissmac National Sales Manager Mitch Scott shows off the Unicut 610, a newer model of the flagship ride-on 600. The 610 made its market debut at World of Concrete.



DMI's battery-powered mini dump truck arrived just in time to make a splash at World of Concrete.



DITEQ Engineering Manager Mike Orzechowski with some of the company's recently introduced diamond saw chains and bars.

DITEQ also launched a line of HEAVY DUTY, or "HD," vacuum-brazed chains to complement its standard vacuum brazed chain product line. Designed for heavy reinforced concrete or ductile iron pipes, the new line has multiple layers of vacuum brazed diamonds on the segments to extend the life. The focus is on heavy reinforce concrete or ductile iron pipes. Orzechowski noted that DITEQ's new Mascot bars have some unique sizes. Six lengths are available for the ICS 880/890 ranging from 10 to 36 in (254 to 914.4mm). Bars for the Hi-Cycle Prime/Weka/Dr Shultz come in four lengths ranging from 12- to 25-in (305- to 635mm). "We have some additional bars and chains for most of the other saws on the market as well," he said.

Looking ahead

To be sure, a productive trade show in January isn't

necessarily guarantee of a great business year. As recent experiences have taught us, something as small as a microscopic virus can upend the world in the blink of an eye, so it's easy to imagine what an intensifying conflict in Europe or protracted budget battle on Capitol Hill might do to the economy. Still, there's little doubt that the mood of most of those leaving Las Vegas was positive, and that there was more to look forward to than fear in the coming months. And if nothing else, WoC 2023 provided exhibitors and attendees alike with a much-welcome positivity about the US construction industry, plus set the stage for the show's golden anniversary next year.

"It's been great," said an enthusiastic Larry D'Angelo, Houston-area sales representative for Syntec Diamond Tools, in summing up the week. "World of Concrete is back!"

www.worldofconcrete.com

WORKS

What's New in Fully Automatic Quick Coupling systems

Here's the latest news in terms of fully automatic quick coupling systems for hydraulic excavator attachments. Efficiency, safety and the environment continue to be the major focus when it comes to handling demolition materials. Since the first quick coupling systems for hydraulic tools were launched in the early 1990s, the working day has been revolutionized for the machine contractor, with demolition contractors being fast to adopt quick connect systems. It's hard these days to find a demolition contractor that does not use hydraulic quick couplings to efficiently change their tools on the jobsite without having to leave the cab. PDA presents the latest news in this sector in its first issue of the year.

Arden Equipment

For a few years now, Arden Equipment has been very active in developing and manufacturing different types of quick couplers for a range of different applications. Arden has released the QA H Series 3, designed specifically to increase the safety of the operator and others in the



workplace. The Arden QA quick hitch system enables and simplifies the quick change of different attachments on a hydraulic excavator. These self-locking quick couplers fit all excavators from 0.8t to 12t and meet all current safety standards, with the QA05H and QA Series 3 being equipped with a safety pad on the front axle.

Arden says that advantages of its system are the dimensions and its compactness. It is compatible with reversible buckets and is equipped with lifting eyes. In terms of safety on the hydraulic QA coupler, the safety paddle serves as a locking indicator. QA Series 3 are also available with different options including integrated tongue hooks. The QA 05 H has a single effect hydraulic line and QA 13 H to QA 23 H has a double acting hydraulic line.

www.arden-equipment.com

OilQuick

The manufacturer that the industry historically associates with hydraulic quick coupling systems is, of course, OilQuick. The company continues to impress and holds the market in an iron grip continuing to launch innovations. Here are some of the recent developments designed for contractors working in demolition, recycling and scrap handling.

New OQTR-E09 tilt rotator

Last year, the company debuted the OQTR-E09, the smallest model in its range. Designed for a OilQuick OQ45 quick coupler system, the OQTR-309 is perfect for smaller excavation and planning work with smaller machines. Equipped with OilQuick sandwich solution, the OQTR-E09 allows the operator to tilt, rotate, and change the tiltrotator to a bucket or other hydraulic, electrical, or mechanical attachments under the tilt. This means maximum digging capacity, breaking force and function, and that the right attachment is used at every moment. Safe, quick and easy from inside the comfort of the cab. With the release of the smallest OQTR-E09, OilQuick now covers excavators from 6t to 33t

New 17-pin electrical connector

The increased demands on electrical cable glands in connection with proportionally controlled control systems for tilt rotators, machine control systems and other electrical functions have meant that, in many cases, two 10 pole electrical connections must be used. OilQuick's new V90/17 with a total of 17 poles can handle all

this with just one electrical connector. The electrical connector can be retrofitted to older OQ couplers and attachment sections. V90/17 is a robust 17 pole vertically connected electrical connector especially developed for use with OilQuick's fully automatic quick couplers and attachment sections. This replaces the previous 10-pole V90 connector.

The connection is stable and secure due to the homogeneous pins in the female coupling providing safe contact and function, being particularly suitable for CANbus traffic with weaker control currents. The pins have a larger contact surface and stronger springs provide increased contact. There are also two CANbus channels through the electrical connection that ensure that the control traffic to the tilt rotator can be kept separate from external CANbus traffic with machine control systems.

Other advantages are that V90/17 can withstand higher current strengths - 5A per pole and a total of 30A across the entire connector. The electrical connection is sealed against humidity and moisture when connected, and there are also fixed coupling holders on the attachment side which means there is no more need for the addition of shims in the male connector. The male part is available with connectors suitable for all machine control systems such as Leica, Trimble, and Topcon

OilQuick Americas starts US production during 2022

Last year, OilQuick and Exodus Global formed a new US-based joint venture called OilQuick Americas to manufacture OilQuick's automatic quick coupler systems for



Smart!

the North and South American markets. OQ Americas is currently investing in a new headquarters and state-of-the-art manufacturing in connection with the existing facility in Superior, Wisc. Full production is expected to begin in 2023.

“The team at Exodus Global is a perfect match for us, having the very same view of business, quality, and support for our customers,” says OilQuick CEO Henrik Sonerud. “We are very happy to start this new journey with them. This is also a necessary step for us in our global expansion, by doing this we release capacity for our growth in Europe and Asia, but more importantly we improve support for our customers in North America by shortening delivery times and increasing flexibility.”

More news to come in 2023

During 2023 OilQuick will release its largest suspended quick coupler, OQC90. There will be more on this at a later date. In addition, an updated touch display and interface for ‘OQLS’ will be released in 2023. This is an advanced, user friendly electronical driver support for safe and secure attachment switching on excavators.

Also in 2023, OilQuick will release a new slim touchscreen and a new digital interface. This simplifies managing attachment swaps when using a tilt rotator, which enables the operator to control both machine and tilt couplings from the same display. OQLS has been designed to be user friendly and

offers a clear coupling process via the intuitive touch display. There is a sensor detection of attachment pins and locking plungers. It provides an automatic activation of the machine’s hydraulics and fulfils all safety requirements on the market. OilQuick promises additional announcements later in the year.

www.oilquick.com

Steelwrist’s and Rototilt’s Open-S standard

Today there are quite a number of manufacturers of quick coupling systems, but Sweden should still be considered the Mecca for such equipment, with OilQuick, Rototilt, Steelwrist and Engcon, all being from Sweden. Steelwrist and Rototilt have a close working relationship and this resulted in the Open-S alliance, which received the Innovation Award at the Swedish Demolition Awards Ceremony in November last year.

The idea with the Open-S alliance is to strive to give machine operators and contractors around the world the freedom to combine quick couplers, tilt rotators and work tools from different manufacturers that follow the standard. With a common standard it is easier for industry manufacturers to continue competing with performance and functionality, and still offer customers’ compatibility. The standard also means that dealers can provide clearer information about which products fit together. Steelwrist’s fully automatic SQ quick coupler and Rototilt’s “QuickChange” systems are designed to be able to connect to other brands following the Open-S standard.

www.opens.org



Steelwrist

In May last year Steelwrist launched the new range of SQ50 quick couplers and tilt rotators. The new range is targeted toward 7t to 13t excavators. Steelwrist SQ is used in quick couplers and tilt rotators on excavators to connect hydraulic work tools. The company says that it provides outstanding flow characteristics and meets the specifications of the Open-S standard for fully automatic quick couplers. The SQ50 will be phased in on X12 and X14 tilt rotators which means that future S-type quick couplers and tilt rotators will be upgradeable to SQ type.

S50 and SQ50 quick couplers are steel cast and have the Steel wrist Front Pin Lock safety solution. This is a mechanical lock of the front shaft that significantly limits the risk of an unintended drop of work tools. The X12 and X14 tilt rotators are redesigned with a new top and attachment coupler in order to make it possible to upgrade from S50 to SQ50 at a later stage, even if the customer did not include SQ in the initial order.

An SQ on the top side/upper coupler of the tilt rotator for rapid change between tilt rotator and other work tools, and SQ on the bottom side (attachment coupler) of the tilt rotator will allow for rapid change between hydraulic work tools. By using SQ, tilt rotator work tools can be made less expensive as the rotation function is included in the tilt rotator.





“With the introduction of SQ50 fully automatic quick couplers and tilt rotators, we will change the game in the growing 10t excavator segment with low back pressure,” says Stefan Stockhaus, CEO of Steelwrist AB. “This allows for efficient use of high flow work tools also for mid-size excavators.”

High flow hydraulics and rotation sensor

With the introduction of SQ50, Qplus technology has been updated to allow for even higher flows, reportedly adding another 20% to flow capacity which allows users to run the high flow for work tools on mid-size excavators. With the introduction of SQ50, Steelwrist during 2022 also introduced a new Absolute Rotation Sensor in order to give higher accuracy to machine control systems. In October 2021 Steelwrist added SQ90 to the range of automatic quick couplers.

www.steelwrist.com

Rototilt

Rototilt did not launch any new quick coupler models during 2022, but there is other news. Rototilt has launched the new Rototilt Control product concept, promising better operability, improved energy efficiency and new technology in a cohesive system. The company has kept one of its new products under the radar to date, but the details of the new RC joysticks have now been revealed.

“RC Joysticks have been designed to meet our high standards as regards function and quality,” says Caroline Jonsson, product manager. “We consider it only natural to be able to deliver a complete system of tilt rotators and control systems from the same manufacturer, to satisfy the industry’s high demands in respect of safety and CE marking.”

Through field tests involving both male and female machine operators, as well as close collaboration with leading product designers in this area, Rototilt’s objective



has been to develop handles that are suitable for a wide range of hand sizes without compromising on fit. Thanks to a digital keypad, they also provide scope for future adaptations in relation to the machine. Rototilt has also now inaugurated its newly built distribution center north of Stockholm. The investment means shorter lead times, greater flexibility and availability. Orders placed at 4pm can be delivered the next day in the Nordics.

“This is a long-term investment in our aftermarket that is about offering the best possible service to our customers,” says Jan Karlsson, aftermarket manager. “We know how important it is to be able to keep our machines running.”

www.rototilt.com

Lehnhoff's SQ80 fully hydraulic quickcoupler pay off

Quickcouplers have become indispensable on modern construction sites, transforming every excavator into a Swiss army knife. The fully hydraulic SQ quickcouplers from Lehnhoff go one step further. They combine flexible use with a great performance.

For its excavator fleet, the construction company Van Loo Projects from Westmeerbeek invested in SQ80 quick couplers from the Belgian Lehnhoff dealer Steven Van Roy Bv. After all, the company, which is active in earthworks, road construction and, above all, demolition, relies above all on quality and efficiency in its work. Van Loo had its excavators uniformly equipped to the SQ80 size. Both on the CAT335 with short arm and on the CAT395 high-reach excavator. This means that all attachments can be used with each other. With the SQ system, the demolition specialists of Van Loo Projects quickly switch between concrete shears and sorting grabs, as well as all hydraulic attachments and buckets, without leaving the cabin. In this way, the demolition of old buildings progresses without long interruptions, no matter which tool is needed at the moment.

Symmetry makes the difference

Based on the open S industry standard, the Lehnhoff SQ quick couplers are completely symmetrical. The pick-up shafts, including the valve block, can be rotated by 180°. This means that even swing buckets and crusher buckets can be picked up in high bucket mode and operated hydraulically. This flexibility is by no means at the expense of performance. With up to 550 litres per minute, the SQ quick couplers from Lehnhoff offer the highest oil flow of all symmetrical couplers available. Even their hydraulic hammer can be operated by the demolition specialists from Van Loo Projects with the lowest pressure loss.

Particularly low maintenance

Customers who have opted for Lehnhoff SQ quick couplers



During demolition on the CAT395 HighReach, the Lehnhoff SQ80 system brings full power to the concrete shear.

A Job Needs a Work Tool, and a Work Tool Needs an Excavator - Not the Other Way Around

By Karl Serneberg
Vice President, Sales & Marketing
Steelwrist

With the demand for productivity constantly rising, the need for quick change of work tool is almost continuous means the importance of quick couplers is just increasing. And of course, it has to be done safely and efficiently.

All Steelwrist quick couplers are based on the S-Type (symmetrical) open standard. There are many reasons for this, but the compact design, light weight, and robustness of the S-type couplers are reasons for this. Compared with the "pin-grabber," there is no risk of picking up a work tool not designed for the specific coupler, which leads to increased safety. And, the total height of the S-Type coupler is significantly lower than the pin-grabber.

The Steelwrist SQ system is designed to be able to connect with other brands using the same type of oil connection systems, the Open-S standard. Machine operators and contractors can more easily choose quick couplers, tilt rotators and work tools from different manufacturers, and be confident that they will function together. With Steelwrist SQ technology, users can change between hydraulic powered work tools such as breaker, crusher, shear, and grapple as well as mechanical work tools in only seconds – all without leaving the cabin.

These features have been enhanced with Steelwrist Qplus, with higher flow, more uptime, and improved serviceability among the main benefits for the operator. With Steelwrist Qplus, the flow area measures up to 37% more compared to competitor products, depending on coupling size. Steelwrist Qplus sealing technology is completely new and significantly more durable, providing more hours in

operation before sealings have to be changed. Changing seals in Steelwrist Qplus couplings is done fast and easy without need for proprietary and complicated tools.



are particularly impressed by the ease of maintenance. "The pressureless unit in the valve block alone reduces the installation effort enormously," explains David Bodvin, Sales Manager at Steven Van Roy. If necessary, either the O-rings or the entire short-stroke valves installed in the valve

block can be replaced in a few minutes. With the special tool, this can be done directly on site. "This is really practical and prevents the excavator from breaking down completely that day," confirms David Bodvin.

www.steelwrist.com

www.lehnhoff.de



Sorting material is child's play with the Lehnhoff SQ80 quick-change system and sorting gripper.

The new SQ50 and X02 from Steelwrist

Steelwrist extends the quick coupler and tilt rotator offering with SQ50, a fully automatic high flow and Open-S compliant solution for mid-size excavators.

The new range of SQ50 quick couplers and tiltrotators is targeted toward 7t to 13t excavators. All models feature Steelwrist SQ, a high-performing fully automatic oil connection technology, used in quick couplers and tiltrotators on excavators to connect hydraulic work tools.

Outstanding flow characteristics and competitive building height and weight are significant advantages of the SQ50, which meets the specifications of the Open-S standard for fully automatic quick couplers.

With the introduction of SQ50, Steelwrist's Qplus technology has been updated to allow for even higher flows. Adding another 20% to flow capacity allows users to run high-flow work tools on mid-size excavators.



"The SQ50 fully automatic quick couplers and tiltrotators allows us to change the game in the growing 10-ton excavator segment," says Stefan Stockhaus, Steelwrist CEO.

In addition, Steelwrist has redesigned the X12 and X14 tiltrotators with a new top and attachment coupler, making it possible to upgrade from S50 to SQ50, even if the customer did not include SQ in the initial order. Installing SQ on the top and bottom sides of the tiltrotator will allow for rapid change between hydraulic work tools. By using SQ, tiltrotator work tools can be made less expensive.

The latest addition to Steelwrist's SQ line—the SQ90 quick coupler—will make its North American debut at Conexpo.

Open-S compatibility

All Steelwrist SQ products follow the global Open-S industry standard for fully automatic couplers for excavators, which gives machine operators and contractors around the world freedom to combine quick couplers, tiltrotators, and work tools from different manufacturers. The common standard also makes it easier for industry manufacturers to continue competing with performance and functionality, and still offer customers compatibility.

"The global Open-S industry standard is good for both the machine owner and the industry as a whole," Stockhaus says. "It strives to give the machine owner the freedom to choose what solution to buy and the manufacturers to focus on developing features that enhance performance and functionality of their products."

Steelwrist expands tiltrotator range with X02

The installation ratio for tiltrotators on the smallest exca-



vators is starting to grow globally. In response, Steelwrist is now introducing the new X02, a tiltrotator suitable for 1.5t to 2.5t machines. The X02 is accompanied by a complete range of work tools resulting in increased efficiency and versatility which also convert the smallest excavators into true tool carriers.

The X02 is positioned between the smallest TCX tilt coupler for machines below 2t, and the X04 tiltrotator for excavators from 2.5t to 4t. Again, the focus with X02 has been to make a fully casted product with best strength-weight ratio and low building height.

The X02 tiltrotator is accompanied by a complete set of Steelwrist S30 work tools, such as grading, digging, cable/trenching and v-ditch bucket, asphalt cutter, and ripper. Last fall, a multi grapple was added to turn the excavator into an efficient and versatile tool carrier that can perform work in a wide range of applications.

"The X02 is a fantastic combination of innovation and robustness which customers have been waiting for," Stockhaus says.

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CITY*DEM

Right in the heart of Weingarten, Germany, a new city quarter called “Martinshöfe” is being built. The 10-acre (4 hectare) site will include residential buildings with around 500 condominiums and rental apartments, green and open spaces, and a commercial area with restaurants and retail outlets. But before this building project could proceed, a former industrial complex had to be completely demolished followed by site preparation work.

In addition to the removal of more than 52,300 yd³ (40,000 m³) of concrete and reinforced concrete, demolition contractor CK Abbruch is also excavating nearly 157,000 yd³ (120,000 m³) of earth for the buildings.

Having demolished buildings above ground level, experts have been working on the removal of huge underground foundations left over from a former old forging company, with some elements reached nearly 1,692 yd³ (1,500 m³) in size. In some places, the concrete foundations contained a large number of heavy steel components, and had to be chiseled out or burned through and removed individually.

What’s more, CK Abbruch’s contract mandated that all work in the inner-city location had to be carried with the lowest noise and vibration levels possible.



Massive concrete structures have to be demolished before a new multi-purpose quarter can be built.



Drum cutter attachments are precise, low-noise and low-vibration. This meets the requirements of a low-emission approach.

Gentle milling and cutting

In view of these challenges, CK Abbruch decided to use a combined demolition and dismantling process. The machinery at the core of the process to be used at Weingarten consisted of two hydraulic excavators equipped with KEMROC attachments, a 45t machine with a DMW 220 cutter wheel and a KR 150 drum cutter, as well as a 60t machine with a DMW 220 HD cutter wheel and a KR 165 drum cutter.

“At peak times, we have five excavators with operating weights of up to 80t operating on this construction

site, as well as a mobile crushing plant and a mobile screen for high-quality processing of the resulting concrete residue,” says CK Abbruch CEO Markus Christadler. “The drum cutters and cutter wheels, our excavator attachments, play a decisive role in achieving low-emission, environmentally friendly and economical demolition.”

The DMW range of cutter wheels from KEMROC achieve high performance in hard rock and reinforced concrete. CK Abbruch uses the cutter wheels to economically cut down large-volume structures into smaller individual pieces. These are then broken down into a size

MOLITION



Drum cutter attachments used near buildings on the boundary. Unlike cutter wheels, they can work right up to the boundary.



45t and a 60t excavators with attachments from KEMROC play a major role at the project in Weingarten.

suitable for crushing using concrete cutters and shears.

"We can largely rule out the use of loud, high vibration equipment such as breakers in the steps prior to crushing," Christadler says. "The narrow tool profiles of the cutter wheels also help to minimize the production of worthless fine-grained material as well as keeping fuel consumption and tool wear low."

Similarly, KEMROC's KR range of drum cutters are robustly built and ideal attachments for tunnelling applications as well as for low-vibration and low-noise demolition of reinforced concrete, making them a perfect

complement to the KEMROC cutter wheels perfectly.

"We use the drum cutter attachments where, for certain reasons, we cannot use the cutter wheels," Christadler says. "At many places, foundations on our site meet or cross the boundary with public and private land. At these points, we are not allowed to cross our boundary into existing structures, so we use drum cutters because, unlike the cutter wheels, for technical reasons we can work without crossing the boundary."

Calculable parameters

By the end of November 2022, around 80 percent of the

demolition work at the Martinhöfe project in Weingarten had been completed. Christadler was confident that this part of the project would be completed by the end of March 2023 and that the concurrent earthworks would continue. Consumable costs to date are also in line with what he has experienced with other projects in the past.

"Overall, with this equipment, we can calculate our costs accurately, we can complete the work in an environmentally friendly manner, on time and within budget," Christadler says.

www.kemroc.com



Smart Cutting Technology from Kemroc at Conexpo

KEMROC excavator and backhoe attachments are commonly used in road building, excavation, foundation work, trenching, tunnelling, demolition, auger drilling and mining applications. These "Made in Germany" attachments combine high-performance with strength and reliability, allowing the company to succeed where other attachments fail on performance or economical grounds.

KEMROC's range of excavator and backhoe loader attachments are designed to cut through difficult materials such as hard rock, solid soil, reinforced concrete and even aircraft wings and bodies. KEMROC engineers review the latest technologies and innovations related to rock grinding and trenching on a continuous basis. The R&D department never stops developing new attachments to provide the most efficient and cost-effective solutions to clients in the construction and demolition industries.

It is KEMROC's mission to provide clients and dealers around the world with product using the best-cutting-edge technology available to cut or grind through rock, concrete, and other materials in a wide range of applications. In order to increase its level of awareness and presence on the US market, KEMROC has recently founded a subsidiary in Dallas, Texas, and is currently establishing a strong dealer network.

Standard Products, New Methods

At Conexpo, KEMROC will emphasize the unique capabilities of its EK range of chain cutters. With their patented, centrally located chain running between two cutter drums, these attachments are used to excavate narrow, deep trenches in soft to medium hard rock. KEMROC chain cutters provide some remarkable advantages compared to other cutting attachments for excavators and backhoes. They are the narrowest excavator attachments for trenching in the market – starting at 20 in (508mm) wide. They are the perfect trenching tool as they do exact size trenching from top to bottom without over-excavation, even in deeper applications.

In trenching applications, they provide up to four times the productivity of a conventional rock breaker and, 40% more productivity compared to a drum cutter. Users can even excavate crossings under utilities or pipelines. KEMROC chain cutters are safe to use near utilities as they operate with minimal vibration and low noise. Furthermore, they can work up to 100 ft (30m) underwater without any modifications and even deeper with compressed air. Last but not least, they provide better output material, which



can be used on-site as backfill, avoiding costs associated with transporting spoils to dumps and purchasing backfill material.

Conexpo will also provide the opportunity for KEMROC to showcase its new KEMSOLID division and its main product, the KSI injection excavator attachment, which a long sword with a cutting chain that can grind its way down through soils and rock. The attachment then mixes the broken material with a cement suspension pumped via hoses from a semi-mobile mixing plant. When hardened, the soil cement mixture produces a dense, structurally sound, impermeable structure. KSI stabilizing attachments form the core of a method for producing in-situ earth cement structures. The attachments are available in a range of sizes and sword lengths. KEMROC products will be on display at Conexpo in West Hall booth W42748, shared with AYA Inc. The KEMSOLID division and its large KSI injector will be shown in the outdoor exhibition area at Hammer & Steel Inc. booth D2227.

www.kemroc.com

Steelwrist at Conexpo-Con/Agg March 14-18, 2023

At Conexpo Steelwrist offers visitors the opportunity to meet the growing North American team and to experience demonstrations of how the tiltrotator and the SQ Fully Automatic Quick Coupler system increase excavator efficiency. In the interactive booth visitors will see several product news firsthand and as they make their way through the festival grounds Steelwrist products will be on display with several other major excavator manufacturers. Steelwrist SQ is a high performing fully automatic oil connection technology, used in quick couplers and tiltrotators on excavators to connect hydraulic work tools. Steelwrist booth: F8726.



Vikings and rogues visit CON EXPO

To provide contractors with the best tools for effective concrete preparation, surface preparation expert National Flooring Equipment will exhibit at CONEXPO-CON/AGG in Las Vegas, USA from March 14 to 18 2023. On booth D2926, visitors will have the opportunity to test drive a range of National Flooring Equipment's heavyweight floor scrapers, including the newest and most powerful machines — the Viking and Rogue.

Powered by a 49.5 HP turbo diesel Kubota engine, the Viking is a 2,586 kg ride-in scraper designed for heavy duty outdoor work on roadways, bridge decks, airport runways and more. Windshield wipers, headlights and a light curtain enable contractors to work safely in different weather conditions or during overnight roadworks. The cab also includes a range of features to improve operator comfort and safety, including cab air filtration and noise cancelling properties, as well as a cup holder, USB charger and spring-loaded seat.

National Flooring Equipment's stand will feature a range of its most popular ride on scrapers designed for large scale, outdoor applications. For smaller projects, National Flooring Equipment will also exhibit its latest walk-behind scraper, The Rogue — a fully electric, modular machine that features an adjustable blade and precision steering for enhanced manoeuvrability.

"The biggest names in construction head to Con Expo to demonstrate how contractors benefit from their equipment, and we're excited to do the same," explained Connie Hardy, vice president of marketing at National Flooring Equipment. "We often find that contractors aren't fully aware of the importance of proper surface preparation, so by attending Con Expo we plan to raise awareness and equip contractors with the tools needed to remove floor coverings and prepare concrete. We also hope to get feedback from contractors trying equipment on the booth, because it helps us ensure our products remain at the cutting edge of surface preparation technology.

National Flooring Equipment's experts will be at Diamond Lot D2926, demonstrating its equipment for every stage of floor preparation, answering questions and providing specialist advice on maximising machine performance.

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