FEBRUARY 14, 2022

EGUIPMENT NEWS. DELIVERED. SINCE 1966



FOCUS: COMPACT EQUIPMENT & CONCRETE Quality, See our other ad Sales, Rentals & MARCEL Reconditioned on Page A8 NORTH TORONTO **Rental Purchase** Equipment TION Since 1976 .С McDowell CAT 988H (2011) Monooka 14,765 Frame Hours 0 Hours on Rebuilt Engine Trans / Torque @ 9,653 Hrs • Trans Case / Park Brake @ 9,653 Hrs Pumps / Valves @ 9,653 Hrs CAT TA1 Inspection & Press Checks CAT Oil Samples AUCTIONS NLINE • NEW L-5 Re-Cap Tires • 10 CY Spade Bucket - Recent RBL Next Auction: Feb 25th @ 12pm & Feb 26th @ 9am All Needed Repairs Being Completed **Industrial Equipment, Repos, Government & Rec. Vehicles** • CALL for Price & Details We are the Largest MOROOKA Dealer in Ontario! "Post It-Sell It-Buy It-Get It"on: AUTO GAVEL Many models in stock to choose from to Rent or Buy Contact John or Mark at: SEE OUR AD ON PAGE A6 Google Play 705-566-8190 www.bmcdowell.com 1-800-265-5747 northtorontoauction.com www.marcelequipment.com 416-770-7706 sales@bmcdowell.com ONLINE HEAVY EQUIPMENT & TRANSPORTATION 1-844-933-4424 sales@cgequipment.com CGEQUIPMENTLCOM AUCTIONS INC AUCTIONS **- UPCOMING** AUCTIONS -Barrie, ON Barrie, ON February 15th, 2022 March 22, 2022 (1 of 2) 2018 Mack GU813 2021 CAEL Unused 1.5T DOOSAN Granite Wheel Loader Consign Today! Consignment Commission Capped For Sellers **DX50Z-7 THE NEXT GEN -7 SERIES EXCAVATORS** ATTACHMENTS Engine: 48.8 hp 1-888-376-3155 • AllStarAuctions.ca Operating Weight: 12,121 lb. Max Dig Depth: 11'5" 1.800.556.9452 amiattachments.com 🖻 🄰 🔘 in 🗗 44 Line 9 South, Oro-Medonte, ON LOL 1T0 SALES + PARTS + SERVICE 1-855-625-0941 CALL TODAY -877-640-2862 \square TOP LIFT 🖓 1-866-TOPLIFT sales@creightonrock.com CREIGHTON ENTERPRISES Serving Canada LIUGONG NORTH AMERICA **DXR** Demolition Dump Robots Carts All models fit All models designed for through a 32" opening tight spaces **The Electric Power House of** Demolition Tiltrotators • Hydraulic Breakers • Compactors • 回溯回 Multi-Quick Processors • Pulverizers • Static Pulverizers • Shears • Screening Buckets • Sorting Grapples Husovama **CRDCREIGHTON.com** www.magnumattachments.com SERVING CANADA TOPLIFT.COM











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2018 VOLVO L90H

1900 hrs



VOLVO



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\$225,000

\$27,900



2004 VOLVO L110E Stk#2022687 \$92,500 18,416 hrs



Stk#2021382 \$79,500



2013 VOLVO EC480DL 12,165 hrs

Stk#2021305 \$170,000



6,378 hrs



2017 VOLVO EC140EL Stk#2007064 \$167,000 1,812 hrs



Stk#2012907 \$145,000

134 hrs



2017 VOLVO EW60E 123 hrs













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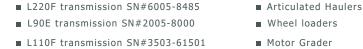
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McCloskey unveils new brand focused on recycling solutions



A guide to operating and maintaining a mini excavator thumb



Δ14

Toro showcases new battery-powered Ultra Buggy

A21



A1



ISSUE 2

February 14, 2022

Liebherr expands ^{B7} compact loader series

The new L 504 model becomes the smallest machine in the lineup and is available in the Speeder variant—allowing it to reach a top speed of 30 km/h.



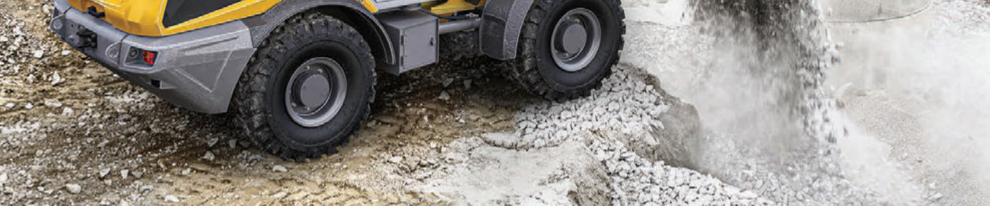
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B3





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LETTER FROM THE EDITOR

2022 iteration of the World

of Concrete trade show in

I met with some great

people and had a chance

many new products in the

heavy equipment industry.

it to the trade show at all, I

witnessed the deployment

of a truly remarkable fleet

The morning I was sched-

uled to fly out from Toronto

Pearson International Air-

member. In fact, as the storm

loomed, Toronto issued its

first blizzard warning since

I was able to make it to

the airport, but as my flight

grew closer, more and more

1978.

However, before I made

Las Vegas.

Editor Max Carrington

Last month, I was fortun- of the scheduling boards lowed, clearing anything that ate enough to attended the were painted red with CAN- the plows left behind and **CELLED** designations.

> Eventually, my flight was for later in the evening.

to observe and learn about in the terminal waiting, I looked on as the Pearson staff rushed to clear the runways and resuscitate the completely stalled operation of the airport.

By this point, Toronto had of equipment and operators. gotten 55 centimetres (22 in) of snow—its third largest snowfall since 1937.

port happened to be the riers and planes on the same day that southern On- runways, I saw hundreds tario was hit by the largest of snow tractors, sweepers, winter storm that I can re- blowers, plows, loaders and dump trucks.

wavs.

Sweepers and blowers fol- mountainous, piles.

finally exposing the blacktop.

Watching through the window as Pearson takes on a blizzard

After about ten hours at cancelled and rescheduled the airport, picking away at as much work as I could So, for the hours I was while I watched the organized chaos of the cleanup, my rescheduled flight got cancelled and rescheduled for the following morning. So, I made my way to a hotel, hoping to have better luck the next day.

By the time, I made it back to the airport, the crews had cleared the majority of the Instead of baggage-car- runways and I was finally able to get on a plane, anxious to get to the show.

During takeoff, I watched out the window as convoys of dump trucks, carried The tractors and plows overflowing loads of snow moved in organized, suc- away from the runways and cessive formations, pushing toward the outskirts of the snow to the sides of the run- airport, where they dumped them onto the existing,



editor@equipmentjournal.com

I found it to be reminiscent of the processions of trucks I have seen coming out of pits and quarries, carrying loads of sand and stone.

Pearson's response to this historic storm was fascinating, and somewhat exciting to witness.

However, I was happy to finally be in the air and on my way to a warmer climate and clear roads.



Sales Manager Tara Rosen

Creative Director/Creative Services Ryan Chuhaniuk

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in Equipment Journal

and the PC390LCi-11.

An excellent match for foot-

slope work, these excavators

with updated, factory-integrat-

ed systems, help to minimize

over-excavation and empower

operators to dig straight to

grade quickly and accurately.

With integrated machine

assists operators by aligning

the bucket parallel with the slope, so that finish grading

can be accomplished without

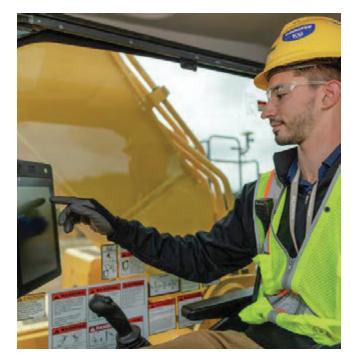
needing to align the machine

The new hold control for

with the target surface.

Quick and accurate

finish grading





Komatsu's proprietary Machine Control 2.0 promotes productivity in excavators

Productivity is the key to suc- input from leading construccess on the job site. The faster a crew can reach maximum productivity, the better.

As part of Komatsu's suite of construction excavators: the Smart Construction products, PC290LCi-11, PC360LCi-11 services and digital solutions, the company's intelligent Machine Control 2.0 (iMC 2.0) ing excavation, trenching and gives contractors the opportunity to take advantage of sophisticated, productivity-enhancing automation.

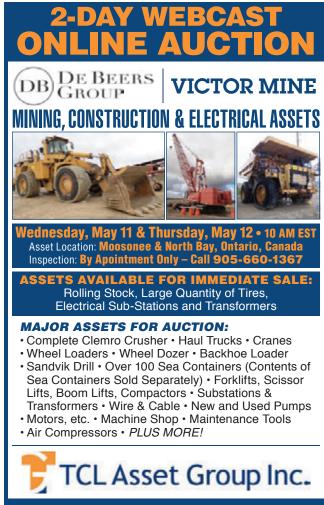
"Aimed to quickly lessen the skill gap between new and experienced operators-and improve the bottom line for Auto tilt bucket control contractors—our excavators with iMC 2.0 technology can control, auto tilt bucket control help contractors transform their construction job sites into highly efficient, highly productive operations," said Andrew Earing, senior product manager, tracked products, Komatsu.

Built on Komatsu's intelligent machine control platform, and developed with

the bucket helps operators bucket angle to the design tion companies, iMC 2.0 offers additional new features on the quickly and with more accompany's mid-to large-size curacy.

It automatically holds the only arm input.

reach a finished grade more surface during arm operation, enabling operators to perform finish grading using



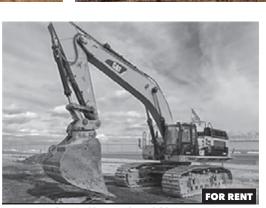
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CAT 12M GRADER - multiple units available.

KUBOTA SVL65 - bucket & blade available.

LINK-BELT 145 X4 - Aux. hyd, Q/C, blade, available w/rubber pads. HITACHI ZX135 also available

CONTACTS

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CAT D5T - grade control, A/C, 6 way blade, LGP.



CAT D6T - grade control, GPS ready - D6N also available.



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2018 KUBOTA KX080 - one owner, cab, A/C, blade, new rubber pads, approx. 2,400 hrs.



2018 HITACHI ZX245 - one owner, aux hydraulics, pin grabber, Q/C, pattern changer, approx. 4,250 hrs.



2017 BELL B45E - 6,200 hrs. - tailgate, box liner, serviced and ready to go! 2 to choose from.





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CAT 390FL (2016) - 8,210 Hours 32' Boom, 14'5" Stick, Coupler 41" Pads, Service and SOS record available. Very Clean & Straight.



CAT 972M (2019) - 3,285 Hours High Lift, Dealer Maintained, L-5 Tires, NEW 6.75 CYD GP Bucket, Coupler is Available, CAT Payload Monitoring, CAT Auto Grease System.



VOLVO A30F (2012) - 9,250 Hours 23.5R25 Tires, Tail-gate, Straight Truck, Arriving soon.



CAT 988H (2006) - 11,490 Hours Coming In Soon. Will be Inspected & All Needed Servicing & Repairs Completed.



CAT D7E (2012) - 3,554 Hours Differential Steer, 26" Pads, Semi U Blade, Choice of Winch, Ripper or Drawbar, Grade Control Joystick, Rear Camera. Exceptionally Clean Unit. Warranty.

SCALL

CAT 980M (2017) - 10,950 Hours Aggregate Arrangement, Choice of Buckets, Auto Grease, Payload Monitoring. All Servicing & Repairs Completed.





CAT D8T LGP (2017) 3685 Hours - Idle Hours: 1608, Auto Reverse Cooling Fan, 38" ES Track Pads, CAT SU Blade with Tilt, High Speed Oil Change. Warranty.



SCALL

CAT D8T LGP (2014) - 12,165 Hours 38" Pads, CAT SU Blade, Choice of Ripper or Winch, Good U/C, Nice Tractor.





CAT 980M (2017) - 5,500 Hours Aggregate Arrangement, Choice of Buckets, Auto Grease, All Servicing & Repairs Completed.

KOMATSU WA500-8 (2017) - 6,659 Hours Yard Loader Arrangement, 8.25 CY Bucket, 875/65R29 Tires, Very Good Well Maintained Loader.



RECONDITIONED CAT D6T XW (2013) 9,225 Hours, SU Blade, Complete New U/C, 30" Pads, Optional MS Ripper. Warranty.

High Lift, Dealer Maintained, GP Bucket With Side Guards, Steering Wheel, CAT Payload Monitoring, Auto-Dig Function, Axle Oil Coolers, CAT Auto Grease.



JOHN DEERE 872G (2013) - 5,840 Hours 6x6, Snow Wing, 17.5R25 Snow – Ice Tires, Front Lift Group, Frt & Rear Fenders, Work Ready.



JOHN DEERE 700K LGP PIPELAYER (2014) 1,953 Hours, Steer Wheel, 14' Blade, 17.5R25 Snow/Ice Tires, 6 Wheel Drive, Falls Snow Wing, Rear Ripper, Fenders.



CAT 773G (2014) - 15,245 Hours Dual Slope, Lined & Heated Body, Auto Grease, Rear Camera, All Needed Repairs & Servicing being Completed, Good Tires.



CAT 773G (2012) - 12,495 Hours Dual Slope, Lined & Heated Body, Auto Grease, Rear Camera, All Needed Repairs & Servicing has been Completed, Good Tires.

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Adcock places order for North America's highest capacity telehandler

telehandler dealer, Adcock Equipment, visited the Xtreme Manufacturing headquarplaced an order for North America's highest ters and production facility in Henderson, capacity telehandler, the Xtreme XR7038, at World of Concrete 2022.

Ordered via Ahern Canada, an official first Xtreme XR7038 telehandler for Adcock Equipment. It is due for delivery in Spring of 2022 and will be delivered by Adcock Equipment to a large mining contractor, who will use it with a custom attachment for moving and dumping rocks. The Xtreme XR7038 is the only telehandler on the market lection of both new and pre-owned aerial compatible with this attachment.

2014, and remains the largest capacity rough terrain telehandler produced in North America. Having won multiple awards for its capabilities and robust design, the unit is popular in mining, oil & gas, and infrastructure applications, as well as on large-scale construction projects.

The XR7038 is capable of lifting loads up to 70,000 lbs. (31,751kg), and has a max. lift height of up to 38 ft. 2 in. (11.6m) and a forward reach up to 22 ft. (6.7m). Weighing 115,000 lbs. (52,163kg), the Xtreme XR7038 is powered by a Cummins 9L 300hp Tier 4 Final engine.

The order for the Xtreme XR7038 was placed with Ahern Canada sales representative, Tom Bell, by Clark Adcock during World tament to their focus, determination and of Concrete 2022. During the visit to Las Vegas customer support."

Canadian aerial work platform and for the show, the Adcock Equipment team Nevada, where they saw their new machine at the first stages of the assembly process.

Adcock Equipment, Inc. is a family-owned Xtreme Manufacturing distributor. This is the business which started out as a pre-owned equipment dealer in Western Canada. The company operates two branches, one serving Edmonton, Alberta and surrounding areas, and one in Langley, BC, serving greater Vancouver.

Today, the company carries a large sework platforms and telehandlers, and is The Xtreme XR7038 was introduced in an authorized dealer for multiple leading brands, including Xtreme Manufacturing ment, said, "Over the past four years we have and Snorkel. Adcock Equipment also offers re-rent on specialty equipment.

> Speaking of this latest order, Tom Bell, sales representative for Ahern Canada, said, "Adcock Equipment is a great company and they are growing quickly. When they decided to start to sell new equipment, they placed an order with us for their very first piece, a Snorkel SR5719 compact rough terrain telehandler at The ARA Show 2020 in Orlando, Fl. This is the smallest telehandler available in the Snorkel range. In less than two years, they are now ordering the largest telehandler in the Xtreme range—and in North America-the XR7038. This is tes-



John Adcock, President, Adcock Equipworked incredibly hard to become a leading provider of telehandler and AWP solutions for Western Canada. Between Snorkel and Xtreme we have a wide range of equipment that we can customize to help solve our clients most complex access challenges."

Xtreme Manufacturing and Snorkel CEO, Matthew Elvin, added, "I would like to thank Adcock Equipment for this most recent order. We value our relationship and are delighted to have been part of these key milestones in their business development."





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CASE announces approval of B20 biodiesel for G Series wheel loaders

FPT Industrial announced today at the National Biodiesel Conference & Expo that it has approved B20 biodiesel for use in its NEF4, NEF6 and CURSOR Tier 4 Final diesel engines.

This announcement makes all CASE Construction Equipment G Series wheel loaders approved for use with B20 biodiesel directly from the factory.

Wheel loaders in these size classes are used extensively in construction, public works, road and bridge construction, concrete and asphalt proagriculture.



Dolan, vice president, North America, CASE Construction Equipment. "FPT has long been at the forefront of off-road diesel engine technology built to lower emissions and reduce the duction, aggregates and carbon footprint—and the fact that our diesel equip-This announcement ment that already features

NEXT GENERATION AUTOMATED LUBRICATION





comes after extensive testing these engines can help conby FPT where it was con- tractors, municipalities and firmed that these engines farms better achieve their performed comparably to renewable goals is a massive the same engines powered by off-road diesel.

wheel loaders.

resources and reducing the their machines. carbon footprint of heavy energy today," says Terry 2021.

step forward."

B20 biodiesel is the most The study highlighted prevalent blend of biodiesel no adverse effects to the available in North America. engines. This approval is Even with this announceinclusive of the NEF 4 (4.5L), ment, it is important that NEF 6 (6.7L) and CURSOR all owners of construction (8.7L) diesel engines already equipment consult with featured in CASE G Series their dealer and the warranty of their equipment "The push for renewable before using biodiesel in

This is the second major equipment will include renewable energy anmany technologies and nouncement from CASE approaches—biodiesel is for commercially available one of the fastest and most equipment—who delivered efficient ways that we can the first electric backhoe benefit from renewable loaders to customers in

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ACROSS NORTH AMERICA

Hilti and Trackunit announce partnership to consolidate tool and equipment data

Hilti and Trackunit have Trackunit devices, providannounced a strategic part- ing increased connectivity nership to advance digital transformation in the construction industry. The ogy. It enables the industry partnership is focused on to detect tags on smaller bringing global scale to the tools and equipment, captool and equipment connectivity domain.

Together with Trackunit, an industry leader in fleet management services, Hilti **ON!Track solution.**

Trackunit platform will be leverage our joint expertise the ever-growing network of the near future—ultimately

RENT ME

around the globe through advanced Bluetooth technolture insights from tool and equipment data and offer an ambition to increase prointegrated customer experience across platforms.

"Connectivity is rapidis now able to strengthen its ly changing our industry. Through this unique part-At the same time, the nership, we are excited to ment. enriched with additional to also further connect tools, global market leader Hilti, tool-related data. The part- machinery and service vans nership also seeks to expand around construction sites in

providing customers with try. Together, we are uniquely said Soeren Brogaard, CEO innovative and integrated solutions that improve productivity and profitability," said Michael Neidow, EVP at Hilti and Head of the Tool Services Business Unit.

The partnership is a joint ductivity and eliminate downtime in the industry. It also marks a new digitalization frontier in construction focusing on tools and equip-

"By partnering with we can further realize the collective digital business transformation of our indus-

positioned to help customers unlock insights from light equipment and tools, prodecision-making, efficiency and continuous learning. The partnership goes way beyond standard ISO feeds and builds deep integration where data insights are real time. The integration network. will deliver a standardized experience out of the box eliminating the need for custom configuration and expensive IT integrations."

of Trackunit.

Hilti provides market reach to a well-established Trackuviding ample opportunity in nit solution and enlarges the global network. Trackunit Hilti expands its ON!Track serves some of the world's largest OEMs, rentals and contractors and with this strategic partnership Hilti brings access to the retrofit now being made available market and mid-market for across the two platforms in expanding the Bluetooth

With the data exchange and stronger customer model, Trackunit will also strengthen its offering to cover unpowered equipment and assets for their existing customers.

> Data insights are now being made available across the two platforms in real time, so tools registered in Hilti's ON!Track system can be viewed on the Trackunit months.

platform, and heavy machinery equipped with Trackunit hardware can be viewed in **ON!Track**.

With this partnership, solution beyond light equipment to also cover heavy machinery while creating a solution for van inventory management for all customer categories in the construction industry.

The companies believe that the partnership is a great fit because it will allow them to elevate the customer experience, making sure tool and data insights are accessible on both platforms.

According to the companies, further announcements about the partnership will be coming in the next 24



2020 LINK-BELT 300 X3 Weldco Beales 60' Long Reach, Isuzu diesel Tier IV eng. 207 net hp, stk# R160-1020



2022 LINK-BELT 3240 PROCESSOR, Isuzu 2022 LINK-BELT 3740 LOG LOADER, Isuzu 2022 LINK-BELT 380 X4, Isuzu Final Tier 4 Final Tier 4 diesel engine-160 hp, 20'2" boom, 11'arm, 36'5" reach, Waratah H424 processing head, stk #R160-3240



reach, 60" ditching bucket, 32" triple bar pads, stk# B160-82 27.5" pads, c/w dozer blade, multi-func-tion hyd., stk# B160-223 R160-1003/1006



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112 hp, 10' stick, heat & A/C, multi-function hyd., 36" & 42" heavy duty bucket, 34,000 lbs operating weight, stk# B160-224

38'4" reach, 85,033 lbs operating weight,

rear entry encl. cab, stk #R160-3740

Arriving South

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Just Arrived - 2021 LINK-BELT 160 X4, Just Arrived - 2022 LINK-BELT 210 X4, 160 hp, 9'8" stick, multi-function hyd. pattern changer, 42" heavy duty bucket, 48,900 lbs operating weight, stk #R160-225



Final Tier 4 diesel engine-177 hp, 20'10", diesel engine-268 hp, 29'7" boom, 22'1" arm, 50'5" reach, encl.cab w/hyd. cab riser, 20kw genset Baldor/Hubbell, stk #R160-3804



2009 LINK-BELT 290 X2, 60' Pierce long 2021 LINK-BELT 145 X4 DZ, 9'11" stick, 2018 LINK-BELT 290 X2 & 240 X2, Isuzu



Topcon announces GTL-1200 scanning robotic total station

Topcon Positioning Group has announced its latest scanning robotic total station-the GTL-1200.

The GTL-1200 solution combines the power of a robotic total station with a best-in-class laser scanner, enabling users to perform digital layout and capture high-resolution 3D scans, all with a single setup.

This combined technology approach eliminates workflow steps for scanning applications and





2021 CAT 730, Cat C13 Acert diesel 375 hp, 31 ton payload, drive, stk# B145-180



block heater, heated mirrors, Fusion Q/C, forks, extendable jib arm available, snow pusher blade available, stk# R110-1001





2012 CAT D8T, Cat C15 Acert diesel engine, Accugrade ready, 4 BBL single shank ripper, good u/c, stk# B130-102

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MANY COMPACTORS TO CHOOSE FROM VISIT BMCDOWELL.COM

2012 & 2018 AMMANN ASC110 & ASC130, 84" smooth and padfoot, Cummins, 25,289 & 27,820 lbs.

greatly reduces the need for

post-processing because the captured scan data is already on survey control or job site coordinates.

In addition, the GTL-1200 workflow includes seamless integration with ClearEdge3D software for as-built and advanced construction QA workflows.

ClearEdge3DCollageSite and other new features

The GTL-1200 provides several additional features and improvements as compared to its predecessor.

The introduction of Collage Site offers field-centric workflows that eliminate extra data management steps traditionally performed in planning. the office.

The GTL-1200 also features improved scanning resolution and adds Wi-Fi capability, enabling wireless data transfer to field-controller software.

"The GTL solution, which adds LiDAR scanning to a robotic total station, represents a next generation of total stations. The workflow solution helps reduce and eliminate errors and rework with near-real-time, construction-verification and documentation, allowing business owners to better manage risk, while protecting project schedules and budgets," said Ray Kerwin, director of global product

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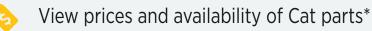
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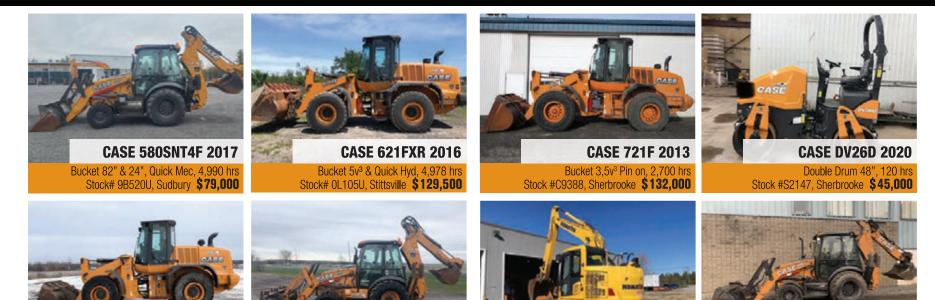


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McCloskey unveils new brand identity focused on recycling and environmental solutions

Due to a dynamic expan- manufacturing industry lead- development has led us to sion and the realignment of its recycling capabilities, McCloskey International has announced a new brand the evolution of this business unit and reinforce its commitment to the waste recycling sector worldwide. The business will move forward under the new brand of McCloskey Environmental (MCE).

The world is facing some major challenges. Climate change combined with the ever-rising demand for energy and raw materials are all placing the environment under increasing strain. To prevent these challenges from resulting in a hopeless situation, long-term solutions are required. The primary task positive contribution to meet these challenges.

McCloskey has assisted in diverting millions of tonnes of waste from landfill with its 35+ years of designing and

ing crushers, screeners and invest significantly in the stackers working in a variety of applications.

identity that will support division is built on partner- high-quality recycling equipship with companies that ment. The products produced have the expertise to deliver solutions that maximise will deliver significant advanprofit and deliver exceptional performance. Together with lower cost of ownership, lower these companies McCloskey Environmental will design and manufacture a full range of environmental products in- Manager, McCloskey Environcluding shredders, trommels, and stackers.

The new design and colour scheme pays homage to McCloskey's brand equity and reflects the maturation and evolution of an industry leader with a dedicated and committed global network.

Speaking about the launch, of McCloskey is to make a McCloskey Product Line Director, Ben Frettsome, said: "Our customers are always seeking modern, flexible and cost-effective waste processing solutions. Our customer driven approach to product

establishment of this new business unit, focused on the The strategy for the new design and manufacture of by McCloskey Environmental tages to customers, including cost of production, and ease of operation and maintenance."

Fergal Mallon, Product Line mental said: "McCloskey is leveraging their engineering experience to develop new

equipment for the global recycling sector at a key time. It's time for a smarter approach to waste processing and to collaborate with customers."

Global requirements are becoming more stringent, and McCloskey 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 for the sector.

Mallon added: "Looking ahead, we are very optimistic about the future of this division and the strong position we are in going into 2022. We have an exciting list of product introductions and strong partnership announcements in the coming months."



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Brandt set to host job fairs, fill 1500 new positions

Following a year of sub- tor locations across Canada, stantial growth in which it Australia, and New Zealand. added almost 2000 people Another 40% of the positions to its workforce, the Brandt will be focused on boosting Group of Companies has manufacturing in Regina, announced plans to create Saskatoon and Illinois. The a further 1500 new positions in 2022.

Brandt. We saw many market challenges, but our employees join a private, family-owned

remainder will be in corporate support roles in the "2021 was a record year for company's Regina locations. "For anyone looking to

rose to the occasion and drove our company to new heights," says Brandt CEO, Shaun Semple. "This success has created many more opportunities, resulting in another 1500 new positions being created across Brandt in 2022."

With this new goal, Brandt's total workforce is projected to deliver an impressive growth rate of over 100% in just two years, which, according to projections, will result in a total employee count of over 6600 by the end of 2022.

These staffing additions will be spread across the company's operations in Canada, the United States, Australia and New Zealand.

About half of the projected the company's Brandt Trac- at Brandt's website.

business where they're truly valued, Brandt has opportunities for skilled trades-people, business professionals, and new grads too," adds Semple. "With the addition of our large new training center in Regina, we can offer motivated individuals the training they need to build a dynamic career here at Brandt."

Brandt is hosting career fairs across Canada and the US in support of its hiring efforts, with the next event planned today in Regina, SK. Another event is scheduled for February 17th in Saskatoon, SK.

Any potential applicants can view a full listing of the company's career fairs and all new positions will support new job opportunities online **Ontario office:** (613) 542-1500 28 Steve Fonyo Dr., Kingston, ON K7M 8N9

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Vanguard showcases swappable battery packs and engine lineup

At World of Concrete 2022, Briggs and Stratton showed off the current lineup of Vanguard power solutions.

Vanguard's booth featured its new 1.5kWh swappable battery technology, new single-cylinder Vanguard 400 engine, Vanguard Commercial lithium-ion battery packs and the full lineup of single-cylinder horizontal shaft engines.

"Our customers' needs are ever-changing, so Vanguard has designed a product lineup to meet the growing demand for diverse power solutions," said Amy West, Briggs & Stratton Marketing Manager, Commercial Power.

Engines on display

The new single-cylinder Vanguard 400 14.0 gross hp engine is launching in March of 2022. This is the latest Vanguard model to incorporate electronic fuel injection (EFI) and electronic throttle control (ETC) technology, which improves performance and load acceptance as well as offers better fuel efficiency and easy all-weather choke-less starting.

The Vanguard lineup of single-cylinder horizontal shaft revolutionizing the power ap-

Since 1979

on display, which includes the proud to play a significant role battery models, as well as our Vanguard 400, a 14.0 gross hp in that process," said West. "In- new swappable battery pack, engine, Vanguard 200, a 6.5 novation in power application continue to show the industry gross hp engine and Vanguard is more important than ever, that Vanguard is leading the 160, a 5.0 gross hp engine.

This family of engines, designed using customer research, provides proven power with superior starting and less maintenance.

Also, these models feature the patented, Vanguard-exclusive, TransportGuard technology and fully integrated cyclonic air cleaner with advanced AutoShed technology.

Swappable battery pack

the Vanguard lithium-ion 1.5kWh swappable battery pack is designed to provide users with an efficient, versatile and reliable battery power option.

The battery features an exchangeable design, allowing customers to easily remove and replace the battery as needed and like the currently available Vanguard Lithium-Ion Battery Packs, the swappable battery can be used in tandem with other packs to make sure larger power needs can be met.

"Electrification is quickly



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and our current Lithium-Ion industry forward."



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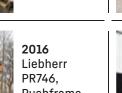


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2018 Liebherr R966, Central lubrication, Boom 7.60M, Stick 3.40M, **Pipe fracture** safety valves

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The Thumb: A Powerful Appendage

A guide to mini excavator thumb options, operations and maintenance

By Rena Sletten, Strategic Communications Provided by Doosan Infracore North America

Mini excavators are powerful and versatile machines. And they fuel your productivity. Attachments play an important role in how well your excavator works for you. Knowing your options is crucial to your success.

Excavators can complete many different tasks, depending on the attachments paired with them. A thumb on a mini excavator can make it a versatile tool in construction, landscaping or recycling.

A thumb, also known as a clamp, is a vital excavator What are my choices? attachment that can add productivity and flexibility. You should know when—and how—to use it properly.

Attachments hold the power of deciding how effective your mini excavator will be at a certain job. It is essential to understand what thumb options you have and how to make the right decision.

When do you need to use a thumb?

While thumbs are a valuable excavator tool, they don't make sense for every circumstance. When preparing for a job, ask yourself whether you can do the task more efficiently with a thumb and ask your sales specialist about available options.

Thumbs are great for supplying extra grip, securing material and moving it. There are a lot of tasks where they can be useful. If you think how often your own thumbs come in "handy," then you can start to get a feel for how helpful these tools can be.

"If you think about thumbs in terms of your hand, it adds Kleingartner, dealer and product marketing manager at Doosan Infracore North America. "It'd be very hard to general term thumb comes from for this attachment. It's the ability to grab and hold something.

"Opposable thumbs for humans and animals change how they interact with their environment. The ability to use a thumb on an excavator changes your ability to interact with your jobsite."

"Anytime you need an attachment to grab something that doesn't fit in the bucket," Kleingartner says. "The thumb is an extra resource for you to help secure that material. Or to maintain a grip so you don't lose it as you're working with to make it work. the machine. So, if you're working in scrap or recycling, a thumb is a fantastic addition to the machine."

Thumbs are also effective in construction, utility and landscaping applications. They are a worthwhile investment if you have jobs that call for an extra grip.

"If you're working in landscaping, you can use a thumb to retain mulch in the machine and help spread it on the jobsite," Kleingartner says. "You can grab a boulder and place it precisely in a hardscape environment. The thumb becomes very versatile in the use of the machine."

However, there are jobs that either don't require a thumb, or it makes little sense to use one. For example, if you are transporting fine material like sand that doesn't need the extra grip, it may not make sense to install a thumb on your machine.

Thumbs are a common attachment. They aren't hard to track down. Most-if not all-manufacturers have thumbs available for their mini excavator models. Your choices are available in two main categories: rigid or hydraulic.

"One of the biggest differences between a rigid and a hydraulic thumb is the versatility they provide," Kleingartner says.

An operator sets the position of a rigid thumb manually. This type is helpful if you frequently use other hydraulic attachments. Many mini excavators come with one set of auxiliary hydraulic lines installed on the arm. Owners can use a rigid thumb with an accompanying hydraulic attachment.

Despite that benefit, rigid thumbs tend to be the less popular option. Their shape makes their operation awkward sometimes as it may interfere with other tasks. New technology has led a majority of operators to favor hydraulic thumbs instead of rigid thumbs. According to Kleingartner, some manufacturers, including Doosan, no longer offer rigid thumbs for their machines from the factory.

A hydraulic thumb connects to the machine at the base a lot of versatility to grab and hold onto a cup," says Aaron of the arm and includes hydraulics to precisely control the adding a couple of steps to your maintenance routine. Perposition of the thumb.

"The hydraulic thumb has a much greater ability to grab hold onto a cup without your thumb. And that's where that different sizes of material," Kleingartner says. "It can move with the bucket if you articulate it. And it gives you better placement options and better pickup options than a rigid thumb."

> Since the hydraulic thumbs have a lot of upsides, there hydraulic lines. You can choose to install a second set of like a thumbs up to me. hydraulic lines or, with Doosan, owners can order diverter kits for the main line. So, even if a hydraulic thumb doesn't seem the best fit for your mini excavator, there are still ways

Where can I get one?

The next thing to think about is where to purchase the attachment. It is a good idea to buy a thumb from the same manufacturer of your bucket or paired attachment.





"They're designed to be able to mesh with the teeth of the excavator's buckets so that they overlap," Kleingartner says. "Each manufacturer has a design that incorporates the design of the bucket into the design of the thumb. The bucket and the thumb mesh and they work together, not against each other."

The other thing to consider is the added weight of the thumb. According to Kleingartner, the added weight of the thumb reduces the excavator's lifting capacity. While this shouldn't be a deterrent, it is an important factor to take into consideration.

Maintenance tips

Keep your thumb in good working condition. Consider form a daily check on the auxiliary hoses and the cylinder on the machine. Do a visual check to make sure there aren't any cracks or broken tines. Most of the attachment checks are visual and only add a few seconds to your routine machine inspections. Thumbs are a worthwhile attachment for your machine. Whether you choose a rigid or hydraulic excavator thumb, they can provide versatility and efficiency. are now more options for operators with only one set of And they don't require much extra upkeep. That sounds

SIDEBAR

INSTALLING A THUMB

A general overview of the most critical steps

- **Step 1:** Make sure you have all the pieces or hard ware that you will need. Look through your manual for a list and have the tools necessary handy.
- **Step 2:** Install the base or the thumb on the end of the arm pin.
- **Step 3:** Install the cylinder from the thumb to the arm of the machine.
- **Step 4:** Install the hoses to connect the thumb and mini excavator controls.



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Step 5: Final inspection. Make sure all the parts are secure and in the proper place before operating the machine.



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Teck and Caterpillar strike deal to deploy zero-emission large haul trucks

Teck Resources Limited has towards deploying 30 of Caterpillar's zero-emissions large haul trucks, like Catermining operations.

The Vancouver-based mining company maintains multiple operations and projects in both Canada and Chile, as well as single operand Peru.

According to the company, decarbonizing its vehicle fleet will represent a significant reduction in Scope 1 emissions, advancing their efforts in meeting sustainability goals Denise Johnson added, "We and priorities.

These major sustainability goals are to reduce the carbon intensity of its operations by 33% by 2030, to procure 50% of its electricity demands in Chile from clean energy by 2025—and 100% by 2030 and to accelerate its adoption of zero-emissions alternatives cing the equivalent of 1,000 internal combustion engine (ICE) vehicles by 2025.

Ultimately, Teck states its strategic priority as becoming a carbon-neutral operator by 2050.

"Teck is already one of the announced an agreement world's lowest carbon inwith Caterpillar Inc. to work tensity producers of copper, zinc and steelmaking coal, and now we are taking further action to develop and pillar's 794 ultra-class, at Teck implement the technology needed to reduce the carbon footprint of our operations and support global efforts to combat climate change," said Don Lindsay, President and CEO, Teck. "Decarbonations in the United States izing our haul truck fleet is a critical step forward on our road to carbon neutrality and we are pleased to collaborate with Caterpillar to advance this work."

> Caterpillar Group President look forward to working with Teck to support their climate goals and developing solutions to increase operational efficiency while substantially reducing emissions. We are excited to strengthen our collaboration and deliver results."

The companies plan for transportation by displa- to progress through a multi-phased approach together that includes early development, piloting and deployment of 30 Caterpillar zero-emission vehicles, including CAT 794 ultra-class trucks, beginning in 2027.

ploying zero-emissions trucks Columbia, Canada. The oper-making it an ideal location truck fleets, with options for at its Elk Valley steelmaking ations are already powered by to introduce one of Canada's trolley-assist technology.

Teck anticipates initially de- coal operations in British a 95% clean electricity grid, first zero-emissions large haul



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Volvo CE launches new digital service business for load out solutions

A new business entity, Global Load Out Solutions AB, has Out to improve work flow, boost profitability and reduce I'm excited to be back at Volvo but with the opportunity to been launched by Volvo Construction Equipment to expand the market for its load out solutions portfolio and enable more customers to transform the efficiency and sustainability of their operations.

to a wide range of customers who are looking to make use of tools such as Efficient Load Out and Connected Load



services to 30% by 2030.

Global Load Out Solutions will be a separate business Brand agnostic, this new digital service will be available entity led by Managing Director, Annika Nissen, who joins Volvo CE to take up the role.

> According to Volvo CE, the aim is to make it easier for customers to access and take full advantage of connectivity tools, which maximize the fill rate of construction trucks and therefore cut down on the amount of work cycles—loading the Board for the new company, says: "At Volvo CE, we are tools which form just one part of Volvo CE's connected solutions.

Annika, with the support of a small team, will be responsible for commercializing the existing load out solutions and growing the market for these with both existing and new Volvo customers. The new company will take ownership for both solutions and be responsible for the development plan, sales strategy and support.

including roles at Volvo Group, as well as small start-ups, so well as new ways of working.

environmental impact. Also, with this launch, Volvo CE work on a brand-new company, growing it from the ground looks to stay on track for its goal of doubling revenue from up, recruiting a small team, with sales and development competences and building up customer relationships", says Annika Nissen, Managing Director at Global Load Out Solutions.

> "The market for digital services is growing and we anticipate strong demand for this new solution from organizations looking to explore how new technologies can transform the way in which they work."

> Gunnar Thorud, Head of Productivity and chairman of always adapting to challenges and trends that drive our industry, such as digitalization and changing customer needs. We are proud to be launching this new company to build on our already impressive load out solutions and accelerate our ambition to support our customers to work more efficiently and sustainably now and in the future."

The new business entity will operate like a start-up company, with a small, entrepreneurial and autonomous team "I've spent much of my career in the automotive sector – that can react swiftly to market, and customer demands as

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1983 VOHL DV-4000, J.D. motor, telchute. \$44,500



1979 SMI 5250 GM-GM, single cab, good condition. \$39,000.



1990 SMI 5250A c/w 2 GM diesels, front & rear, 2000 T.P.H., very clean, low hrs. \$65,000.



1978 SMI 5250, GM - GM, low hours, fresh paint. \$39.500.



1979 SMI BM-2200 GM-453, low hours, ex-municipality \$23,500.



\$57,500.

1975 CAT 14G, good runner



1997 RPM TECH P-3500 dump blower. Cummins KT-450. \$59,000

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JLG offering Quad Tracks for 600S and 660SJ boom lifts

that it will now be offering over" effect. Quad Tracks for JLG 600S and 660SJ boom lifts.

measuring 34-in high by boom lift's standard wheel hubs, offering increased machine utilization and flexibility for working on a range of surfaces, including sand, mud, gravel, grass, paved streets with curbs, potholes and sharp transitions.

is low-profile and developed McClure, Marketing Manager to minimize impact on ride height, track width and maximum drive speed. These features provide the machine rutting at job sites, improved machine. This allows opertraction, greater comfort over a tors to cover a wide range

Also, when the work is done, the Quad Tracks can ability to switch between con-JLG are currently available 2-wheel steer models. Quad Tracks from JLG are be swapped out for regumade up of four triangular lar tires, or for use on other rubber-track systems, each applicable models. Moreover, the Quad Tracks do not re-54-in long by 18-in wide. quire additional wide load They bolt directly to the transport accommodations for machine shipping when properly loaded and tied down for transport.

"There are many considerations when selecting a boom lift for the work at hand. This can sometimes make it challenging to choose between The Quad Track's design tires or tracks," says Randi for JLG Boom Lifts. "When this happens, Quad Tracks offer an alternative solution: The ability to convert a noroperator with the benefit of mal, wheeled JLG boom lift excellent floatation, minimal into a highly capable, tracked

job sites with one machineand offers fleet managers the

wheels as needed."

JLG Industries has announced obstacles and no "break of applications on multiple tinuous tracks and traditional with new 600S and 660SJ machine orders, as well as compatibility with additional The new Quad Tracks from through aftermarket on select,

According to the company, models will be available in the near future. 🖬







Werk-Brau's new Grubber attachment slices roots and extracts brush

Werk-Brau has introduced its "Grubber" excavator attachment.

According to the company, this attachment slices roots and extracts brush in one easy motion. It is constructed with a heavy-duty upper channel, AR400 steel cutting edges and triple pass welds on the high stress areas.

Grubber models are available to fit most excavator sizes and classes, including mini excavators.



a replaceable bolt-on edge V-edge or straight edge.

The company claims that it is ideal for the select extraction of brush and various types of nuisance vegetation. Additionally, the Grubber

affords little ground disturbance, reduces erosion and promotes grass growth.

When paired with an appropriately-sized excavator, made in the USA, backed Werk-Brau claims that the by a two-year warranty

Also, it is available with removing the root ball, thus, reducing the chance of future propagation.

Eliminating nuisance vegetation can restore degraded rangeland, improve cattle and wildlife habitat, increase plant diversity and improve the hydrologic function of the land to make it more productive.

Werk-Brau Grubbers are Grubber can effectively and are available through



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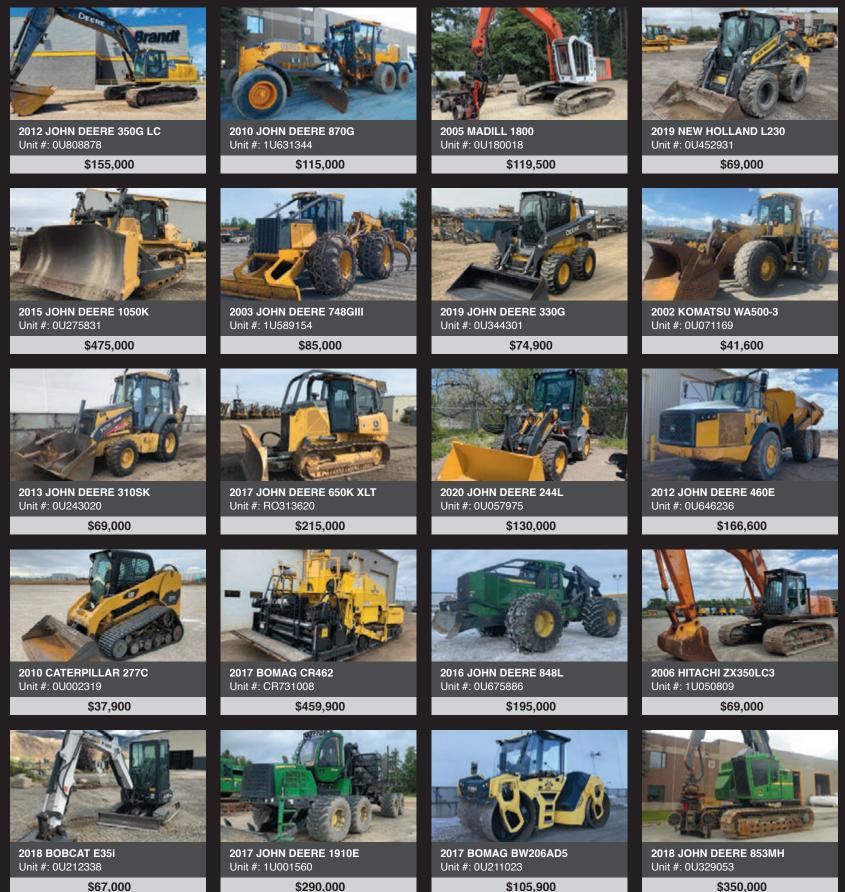
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JLG partners with RE2 to create robotic lifts for solar field construction system

JLG Industries has announced a developmental partnership with RE2 Robotics, a the U.S. Department of Energy to develop leading developer of intelligent robotic a robotic solar field construction system for mobile manipulation systems.

The collaboration of these two market leading companies is intended to advance the integration of robotics with access equipment to deliver improved operator safety and enhanced productivity on job sites.

"Robotic technologies have long been used in a variety of industries," says Frank vice president and president, JLG Industries. "The productivity imperative, along with the COVID-19 pandemic have accelerated the need for and adoption of robotic technologies beyond the factory floor. In fact, a large focal area in construction and industrial applications today is remote operation of equipment that keeps workers out of harm's way."

Nerenhausen continues, "While JLG has been leveraging and developing robotics in specific areas of our business for quite some time, our focus has shifted to developing and incorporating solutions that integrate with our lifts to help offset labor shortages and provide assistive technologies to a now 5-generation workforce. The relationship with RE2 allows us to partner with an organization who has the same drive for excellence as JLG, enabling us to accelerate the integration of robotics across our product line to move the access industry forward."

RE2 was recently awarded a project by the outdoor autonomous manipulation of photovoltaic panels.

The RE2 Sapien 6M robotic arm, along with RE2 Detect and RE2 Intellect software are being integrated with a JLG aerial work platform to support the transfer, lifting and placement of the photovoltaic modules.

JLG is supplying engineering support dur-Nerenhausen, Oshkosh Corporation executive ing the technology development phase of the project.

> Joint work is being completed on the mechanical and control system interface between the robotic arm and the lift. The resulting and robots are working more closely together, remain agile and accelerate the development integration will provide the foundation for the robotic solar field construction system.

Skilled workers will supervise the robotic solar field construction system, which uses computer vision to autonomously retrieve solar panels from a delivery vehicle and precisely place the panels onto a racking system.

panel. The RE2 Sapien intelligent robotic arm offers a high strength-to-weight ratio, precise control and human-like dexterity to place the burden of the heavy lifting on the robotic system. This system is expected to significantly improve productivity and reduce the amount of time required to construct a solar field.

"The future of work is here," says Jorgen Pedersen, RE2's President and CEO. "Humans



and the construction industry is no exception. Our developmental partnership with JLG will enable us to apply our proven robotic technology to specific applications, including those that require working at height and repetitive lifting such as solar field construction."

"Developmental partnerships, acquisitions three core pillars of our growth philosophy. When combined, they facilitate our ability to

of the future technologies that will advance the construction industry," says Nerenhausen. "Our work with RE2 Robotics is an excellent example of how we are driving progress with companies who are experts and leaders in their respective fields."

According to Nerenhausen and Pedersen, An onsite worker then follows to secure the and organic product innovation serve as the a concept machine is forthcoming, with demonstrations planned to gather additional feedback in the near future.



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Toro showcases its new battery-powered Ultra Buggy

announced that its next renovation applications. exploration into the evolu-Ultra Buggy.

on Toro's popular line of material buggies by offering operators a battery-powered door to new job sites.

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After a decade in the the new Ultra Buggy is ideal carry up to 16 cubic feet or buggy business, Toro has for indoor construction and 2,500 lbs of material and

With a narrow width of tinuous runtime. tion of material handling 31.5-inches, it can fit through and features a zero-turn-ra-The new Ultra Buggy builds dius to navigate hard to access areas.

Built to be versatile and agile, it's equipped with a solution that will open the fold-up platform so operators can choose to stand on or walk behind the unit.

The Toro Ultra Buggy can

delivers eight hours of con-

Additionally, the mounted equipment is the new Toro a 3.0 door with a crash bar directional and dump switches ensure stable movement. The new Ultra Buggy will be available in Fall 2022. 🖬





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Trimble announces FieldLink MR app and advances compaction solutions

FieldLink MR app—a new mixed-reality solution for construction layout. Also, the company has announced the release of its next-gen Trimble Roadworks paving control platform for asphalt compactors and horizontal steering control functionality on the Trimble Earthworks out, enabling professionals

soil compactors.

Mixing realities, attracting & retaining skilled workers

Built on the Trimble Connect collaboration platform, Trimble FieldLink MR (Mixed MR, field crews can easi-Reality) offers a new way to perform construction lay-



www.jblservices.ca

Trimble has announced its grade control platform for to quickly navigate to tasks of layout in the field will be on the jobsite.

The app runs on the Trimble XR10 with HoloLens 2, a hardhat-integrated mixed-reality device.

With Trimble FieldLink ly visualize construction data without relying on a handheld controller for stepby-step navigation to locate each point.

Visual cues presented through the mixed-reality hardhat naturally lead workers directly to each point for them to physically lay out construction site.

Attracting and retaining skilled workers remains a key challenge for many contractors, reducing the complexity

essential to enable less experienced staff to deliver quality work the first time.

"Trimble's FieldLink solution enables users to precisely position digital construction information in the physical world. FieldLink MR is an extension of this application, which seamlessly integrates cutting edge mixed-reality technology to help construction professionals be more effective on site. This inteand intuitive workflows by making the layout process pertinent information on the more natural and contextual," said Martin Holmgren, gen-Solutions Division.

> part of the Trimble Connected Construction ecosystem, leveraging the Trimble Connect collaboration platform.

fabrication.

Field productivity solutions are driven directly by con- make it possible for constructible data, reducing the need for data conversions and the potential for error. Using constructible data and increased functionality in the real-time collaboration, project stakeholders can work fit from ongoing Roadworks together seamlessly, optimizing the design, build and operate lifecycle.



gration offers more efficient and can support a variety Trimble Earthworks grade of jobsite needs and specifications. Roadworks helps contractors save on fuel costs and reduce both machine eral manager for Trimble's wear and tear and operator Building Construction Field hours. In addition, asphalt temperature mapping pro-Trimble's layout and vides color-coded data to mixed-reality solutions are allow operators to compact at the correct temperature, reducing material waste and rework.

In addition to helping Contractors from differ- operators achieve greater ent trades and in all phases accuracy and efficiency, of the construction lifecycle Roadworks is available at can work together to enable various pricing levels to help more automated layout and meet the unique needs of zontal steering control each contractor.

> New compactor licenses tractors to pay for only the functionality they need, and office-only licenses provide office. Users can also beneplatform development.

"This release is particularly important because every day we're seeing more DOTs and private owners build technology requirements into their RFPs. We're expecting there to be an influx of projects over the coming months and years

as the result of increased

infrastructure funding," said

ager, Trimble Civil Specialty

Solutions. "The Trimble

Roadworks platform is spe-

to learn and use. Variable

pricing helps make this plat-

form even more accessible

and levels the playing field

for contractors of all types

Horizontal steering con-

and sizes."

control platform for soil compactors is the industry's first automatic steering control solution for soil compactors-and the next step toward the company's autonomous vision.

Horizontal steering control helps operators achieve higher quality surfaces and consistent compaction. Compatibility with all soil compactor makes and models enables contractors with mixed fleets to achieve a faster return on investment.

Furthermore, the horiautomatically steers a soil compactor using a 3D model or compaction pass line. This helps to improve compaction productivity and quality for operators of all skill levels by precisely controlling overlap between passes.

According to Trimble, automatic steering helps reduce operator fatigue while also minimizing over- and



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Next-gen paving control

This platform enables operators to accurately control the compaction process, while reducing unnecessary passes that can result in over compaction. This 3D paving control system is designed to Kevin Garcia, general manimprove the speed, accuracy and ease of asphalt compaction.

The system leverages cifically designed to be easy the highly intuitive Android-based Trimble Roadworks software to maximize ease of use, shortening training times and decreasing downtime for operators already familiar with the A step toward Trimble's Roadworks user interface. With the proper hardware autonomous vision and software configurations, the new system is flexible trol functionality on the

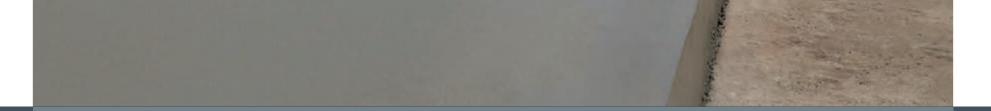
under-compaction, providing a more consistent sub surface for a higher quality, longer lasting finished product.

"We're committed to innovation and building solutions to meet our customers' needs no matter where they are on their journey to autonomy, both now and in the future. It's difficult to steer a soil compactor with accuracy and consistency, but overor under-compaction leads to wasted time and materials and less durable surfaces," said Scott Crozier, general manager of Trimble Civil Construction. "Horizontal steering control allows operators to focus on machine performance and safety and deliver a higher quality, more consistent surface."

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(L to R) Pierre LeDuc, sales specialist for Bobcat of Ottawa Valley and Andrew James, owner of K. James Construction. Bottom right photo, one of of their custom built homes.

Andrew James's parents started building crafted custom homes, including recreational and country homes in 1981 in the Perth and Rideau Lakes area. Andrew worked for them at a young age and had left to try other careers but found nothing compared to how rewarding it was to build a custom home for someone. Twelve-years ago, he bought his parent's business, K. James Construction and has never looked back, just up! Their motto is "The difference is in the details. It's the little things that set K. James Construction homes custom apart from the rest."



Andrew recalls his father buying a Bobcat® machine when they first started. "It never had any real problems, it never broke, it just needed oil changes and typical service. The best thing about Bobcat machines is they hold their value," stated Andrew. So, when Andrew was looking for new machines, he went right to his local Bobcat dealer, Bobcat of Ottawa Valley.

He bought a Bobcat T595 compact track loader specifically for backfilling, moving materials on-site, and grading. "Bobcat machines have come a long way with all the comforts and especially, technology. Bobcat track loaders are amazing! I also bought a Bobcat ZT2000 lawnmower. It has a zero-turn radius, it has thick steel on wheels and even with 6" grass, clips right out the side, cuts whatever. It's 10x stronger than it needs to be. My daughter won't let me use it. She volunteers to do chores!"

"Pierre LeDuc, sales specialist for Bobcat of Ottawa Valley really helped me out too. He wouldn't let me go until I was very happy with his package deal. Just like our motto, it's the little things that set Bobcat machines apart from the rest, as well as the customer service I have received, so I would be happy to recommend Bobcat of Ottawa Valley and of course, Bobcat machines for your next purchase."

Thanks, Andrew





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Kubota adds three new compact machines to its lineup

Kubota Canada Limited has ft. 4 in. and the U10-5 contracts to at Kooy Brothers in Toronto, Onannounced three new additions 2 ft. 6 in., then when the operator tario, one of Canada's highest-rated to its robust compact construction wants to widen the tracks, the tracks Kubota dealers. "There's a wide lineup—the K008-5 conventional widen out to 2 ft. 10 in. and 3 ft. 3 in., tail swing and U10-5 zero tail swing respectively. excavators as well as the SCL1000 stand-on track loader.

announcements lead the company's 2022 product rollouts, and while the range, but in a more compact frame **Additional features include:** K008-5 will replace the -3 model with minimal tail swing to be more with various upgrades, the U10-5 nimble and agile than ever before takes an all-new, in-demand spot for both residential and commercial in the U Series minimal tail swing work," Baker added. "The U10-5 lineup

spring.

"Our new excavators are ideal for tight, confined spaces, and with the tures surprisingly wide working and U10-5 being a minimal tail swing model and both excavators featuring frames. The K008-5 has a working retractable tracks, they are ready to range that includes a digging depth work in even the narrowest spaces of 5 ft. 8 in. and a bucket breakout on the job site," said Patrick Baker, force of 2,205 lbs. The U10-5 extends Kubota construction equipment product manager. "With the new K008-5 and U10-5, we now have a broad offering of 13 compact excav- ic control system offers smooth ator models across the 1-to-8-ton operation and an increase in digweight classes, and now feature ging productivity. The U10-5 also more flexibility among the conventional and minimal tail swing lines. All of our -5 generation models are other larger Kubota excavator offersolidly engineered and outfitted ings, with consistent joystick digging with more customization to keep controls. Both models offer clean, customers working efficiently and hose-free boom lines because the comfortably."

"The U10-5 is Kubota's answer to the rental or professional cus-These new construction product tomer, for example, who requires a compact excavator in the 0-1-ton provides superior flexibility when The U10-5 was previewed this working in tight spaces with very week on the showroom floor of minimal overhang at 0.6 of an inch World of Concrete, and the new over the tracks, ensuring excellent models will be available at author- balance, stability, and fast operation. ized Kubota dealerships early this It truly is the ideal model for working in compact spaces."

> Each new compact excavator feadigging ranges for their compact to a 5 ft. 11 in. digging depth with a bucket breakout force of 2,337 lbs. What's more, the U10-5's hydrauloffers the same side lever joystick The SCL1000 stand-on track loader operational controls found on the hydraulic hoses are uniquely hidden and protected inside the boom leading to less excavator downtime.

range of markets that can typically utilize these types of machines. Small landscape companies, utility companies, underground mines and even some inside demotion."

- Heavier frame for more solid positioning: Kubota has added weight to both new excavator models for more solid positioning in the operator station. The K008-5 sits at 2,315 lbs., while the U10-5 has a heavier frame at 2,646 lbs.
- Travel speed: The engine gross horsepower for both the K008-5 and U10-5 comes in at 10.3 HP offering travel speed at 2.5 miles per hour.
- Easy operation: Both new models are two-speed excavators. The two-speed travel pedal allows the operator to easily switch between high and low gear.





Versatility for rentals and professionals

single-level maneuverability with is a huge market for 1 ton mini exhydraulic adjustable track widths that quickly contract to fit through tight spaces easily - think doorways, fence gates, inside buildings, hallways, elevators and more. On the doors in various structures," ex-K008-5, the tracks adjust down to 2 plains Joel VanAndel, sales specialist turbocharged Kubota diesel engine

"With how tight everything is get-The K008-5 and U10-5 offer ting in larger municipalities, there cavators, especially when you can narrow the tracks and overall width of machine down to the 30 range to get between gates, or in between

Two-pattern control: Both models feature both ISO & SAE operational patterns which are easily changeable to the oper- with quiet operation, high altitude read machine monitoring. ator's preference.

The new SCL1000 features a wide 9.8-inch track that comes standard on the overall narrow 36-inch machine. The integrated track design is engineered for durability with the undercarriage welded to the mainframe of the body.

The grease track tension design includes seal oiled bath rollers for less maintenance and greater durability. Its wide track design, with a rating of 4.0 psi, is low impact, minimizing damage to grass and landscaping.

While compact, the SCL1000 boasts a powerful 24.8 horsepower

performance and no diesel particupump directly connected to the engine reduces maintenance.

The loader arms reach high and far with a hinge pin height of 84.7 inches and a reach of 25.9 inches at a 45-degree dump angle. It also boasts a best-in-class travel speed of 7.9 Km per hour.

Kubota's SCL1000 is engineered with cushioned loader boom cylinders and an adjustable platform suspension system that increase operator comfort for maximum productivity. The loader comes standard with a keyless start with passcode protection, 12-volt charging port and a 4.3 inch LCD colour dash monitor that provides easy-to-

"The SCL1000 has been somelate filter requirement. A hydraulic thing dealers have been asking about for quite some time. There are a lot of competitors in this market, but Kubota has come out with some great features on their machine that I think customers are going to love," says VanAndel. "This is going to be a very hot seller with landscapers, small construction projects and the rental market. Kubota dealers have been pushing for this, because our customers are wanting to add a machine like this to their fleet. We've always had the mini excavators, dumpers and larger skid steers for running material back and forth, but with the size of back yards and access, a stand on mini is a very handy machine to have in your arsenal."



Caterpillar expands CAT Command for Loading to skid steers and CTLs

Caterpillar has announced track loaders will be available steer or compact track loader the expansion of CAT Command for Loading to its D3-series skid steer and compact track loader line. Removing the operator from the machine, Command provides joystick-controlled remote operation of the skid steer and compact track loader models to increase safety and productivity when operating in challenging and potentially hazardous environments.

CAT Command for Load-

in two configurations—lineof-sight at the jobsite and non-line-of-sight operating via a remote station located machine from a safe location, Command maintains high machine productivity in difficult operating environments such as stevedoring, steel mill blast furnaces, industrial and waste, demolition, and site decommissioning.

A dealer-installed field ingforskid steer and compact kit makes any CAT D3 skid



model Command-ready. The line-of-sight system includes indicator lights, microphone, wireless receiver, and antenoff-site. By allowing the user nas installed on the cabin to comfortably control the roof with the Command activation switch mounted behind a lockable door with ground-level access. The non-line-of-sight system adds front, rear, and side cameras for 360° viewing. Since Command controls are integrated with machine electronics, users experience the same control response as they would operating inside the cab, allowing for productivity to be maintained from a distance.

Flexible remote configurations

Line-of-sight Command for Loading operation comes complete with a lightweight, compact control console supported by a comfortable shoulder harness. Machine controls such as machine startup/shutdown, bucket rack/dump and lift/lower, rpm, horn, creep control, and auxiliary hydraulic functionality are easily accessed through the ergonomic Command console control layout.

Two different line-of-sight consoles will be available to meet customer need, each providing different levels of functionality and control with complex hydromechanical attachments. Operating range for both line-of-sight Command consoles extend up to 300 m (984 ft) to allow for convenient remote operation.

To ensure the user maintains machine control at all times, integrated CAT electronics activate several safety features to stop all machine movements if: the All-stop

switch is pressed; Command stop switch is activated; wireless communication is lost; a severe fault is detected; or the Command console is tilted more than 60 degrees from normal operating position.

Customized Command station

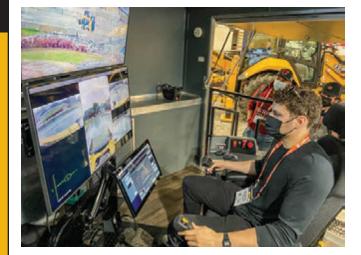
The non-line-of-sight Command for Loading solution includes a modular, customized Command station that positions users in a familiar and comfortable seated position that simulates traditional machine control. One user can connect to multiple machines from a single station, controlling one machine at a time. The station is also compatible with other Command offerings for CAT equipment, such as excavators, dozers, and small wheel loaders.

Station components include machine joystick and foot pedal controls for all the company's Command technology capable machines.

A touchscreen mount is incorporated in the station design for machine control, while universal screen mounts are included for camera displays of the skid steer or compact track loader.

Also, an emergency remote shutdown switch is located on the Command station to quickly halt all machine movements. At the jobsite, an optional remote All-stop switch control is available for site personnel working around non-line-of-sight Command skid steer or compact track loaders.

According to Caterpillar, the projected availability of Command for Loading for CAT D3 series skid steer and compact track loaders is third quarter of 2022.



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Doosan signs exclusive supply agreement with Tobroco-Giant

Doosan Infracore Europe has signed san Infracore is constantly looking at is a great fit for Tobroco-Giant. We are Netherlands-based Tobroco-Giant, a leading manufacturer of Compact Wheel Loaders for materials handling, construction, rental, agriculture and landscaping.

Under the new agreement, selected Compact Wheel Loader models will be manufactured by Tobroco-Giant in the orange colours of Doosan and will be the brand's European dealer network. in the growth of our company. Doo-

"We are delighted with our new partnership with Tobroco-Giant. Doo-

our customers have the most innovative and competitive solutions for their Toine Brock, CEO at Tobroco-Giant. needs. With Tobroco-Giant, we have a and a high-performing range of Compact Wheel Loaders," said Chris Jeong, CEO at Doosan Infracore Europe.

sold under the Doosan name through Infracore Europe is the next milestone er models, which will be distributed san is well known for their innovative Europe will also provide more details

an exclusive supply agreement with improving and extending the product looking forward to working with Doooffering from the company, to ensure san Infracore Europe to grow the market for Compact Wheel Loaders," explained

> Doosan Infracore Europe will intropartner with long-standing experience duce the first models to be supplied under the new agreement in the weight category from 3500 to 5000 kg in 2022.

> Overall, the new partnership covers "This new partnership with Doosan a total of five compact wheel loadacross all of Europe. Doosan Infracore products and customer service, which on attachments for the range in 2022.

KIOTI unveils new line of compact construction equipment

KIOTI Tractor welcomed in 2022." dealers from the United States, Canada and overseas to its annual meeting in Orlando.

as an opportunity to recognize KIOTI's dealer network, celebrate new product anindustry trends.

theme of "Next Level," marked a return to an in-person gathering after being held virtually in 2020.

"KIOTI's continuously across the globe is the backbone of our Pack and the driving force behind our new equipment, dealers were success across the compact able to submit their feedback equipment and turf care in real-time for each model. industries," said Peter Dong-Kyun Kim, president and CEO of Daedong-USA, Inc. KIOTI dealers were encouraged to Tractor Division. "We were excited to once again gather in person to celebrate their success, provide educational and training opportunities, and wants to ensuring that dealer prepare for the year ahead. We hope the experience empowered dealers to take their products are developed.

EQUIPMENT

JOURNAL

Nearing the end of 2021, businesses to the next level

Testing the new equipment

On the meeting's final day, dealers were among Each year, the event serves the first to see—and experience-many of KIOTI's new products.

At an off-road adventure nouncements and discuss park, dealers tested new products for themselves, This meeting, with the including KIOTI's all-new stand-on zero-turn-radius (ZTR) mower, K9 2400 Cab utility vehicle, and forthcoming diesel-powered ZTR and compact construction line, expanding dealer network consisting of a skid steer loader and compact track loader. In addition to operating the



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According to KIOTI, it feedback and customer needs are top-of-mind when new

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Topcon brings its machine control to compact equipment with MC-Mobile

Topcon Positioning Group has announced utilizes inertial measurement technology. its all-new MC-Mobile portable machine This technology is capable of measuring control solution for compact equipment. very fine movement, as well as pitch, roll Based on the Topcon MC-X machine con- and yaw. Inertial sensing uses predictive altrol platform, MC-Mobile offers the user gorithms to generate high-accuracy control experience and competitive performance to increase grading speed and precision. benefits of full-size machine control guidance solutions for compact excavators, nology is the sensor that recognizes the way skid steers and compact track loaders a cellphone is being held and subsequently, (CTL).

More than machine control

build and check functionalities and a feature-rich Topcon software experience. Operators can utilize modular components little black boxes are inertial motion unit for a wide range of applications, including sensors. That is really what powers this grade checking, creating designs on the fly, and self-performing site layouts without traditional staking.

Displays and other components are designed to be easily shared across numerous machines in owned or rental fleet prehensive machine control and site work environments. These pieces can also be solution for any contractor that uses commoved from grade checking/layout rover pact equipment," said Jamie Williamson, pole to machine and back.

tablet as a three-in-one solution. They can use, it's affordable, and it offers the same arrive on-site, back the mini excavator or competitive benefits of machine control compact track loader off the trailer, measure the area, use the tablet to design what's MC-Mobile enables contractors to get jobs supposed to be there and then actually done faster and more accurately-elimdo their own checks before they leave the inating costly rework and allowing them site," explained Oscar Cantu, Construction to reallocate resources to other tasks on Content Manager, Topcon. "So, MC-Mobile the job site. MC-Mobile simplifies many is a machine control solution for compact tasks, giving business owners more control equipment with three steps: measuring, design/grade, and validation."

Inertial measurement technology

Topcon's MC-Mobile portable machine available for purchase in April of 2022. control solution for compact equipment

A simplistic example of this type of techautomatically, adjusts the orientation.

Topcon takes this technology and applies it to more planes, allowing operators to MC-Mobile provides users with design, have an extensive understanding of the relation of their machines to a desired grade. "It doesn't look like much, but these

system," said Cantu.

Digitizing the construction site for contractors of all sizes

"MC-Mobile is a simplified, yet comexecutive vice president, Topcon Posi-"Somebody would use the laser, pole and tioning Group. "It's easy to set up and solutions designed for larger equipment. of their budgets and operations, creating downstream value and efficiency for operations of any size."

According to Topcon, MC-Mobile will be









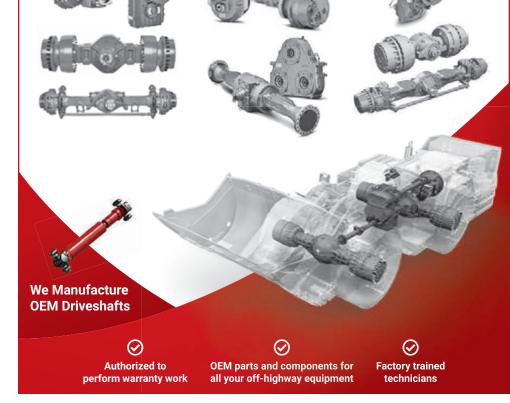
Takeuchi introduces TB20e electric compact excavator, ships 100 units to United Rentals

The first 100 units of the TB20e, Takeuchi's new electric compact excavator, will soon be available at select United Rentals locations in North America.

The TB20e is the first Takeuchi designed-and-built, battery-powered machine in what will be a full line of electric products developed to provide what today's customers want while meeting the manufacturer's own Environmental, Social and Governance (ESG) goals.

"The product and market development for the TB20e took place in North Amer-





ica, so it made sense to debut the machine here as well," said Clay Eubanks, director of global sales for Takeuchi. "We've partnered with United Rentals to introduce our first 100 units because of our long-standing relationship and our work together on current and future product needs. We're excited to see how their customers react to this new environmentally friendly excavator with all the power and feet and a primary auxiliary performance they've come to expect from Takeuchi." Similar in performance to imum digging depth is 7 Takeuchi's diesel-powered ft. 10.1 in. The TB20e also TB216 compact excavator, features a spacious and the TB20e is 100-percent comfortable operator's stabattery-powered with zero tion with a completely new



When fully charged, the TB20e offers a continuous working time ranging from four hours to eight hours, depending on the application and environment.

The excavator has an operating weight of 4,255 lbs, a bucket capacity of 1.34 cubic flow of 9.0 gpm. Maximum reach is 13 ft. 4 in. and maxexhaust emissions and re- high-definition, multi-inforduced noise/vibration levels. mational color display.

"United Rentals and Takeuchi have a long history together, and we're pleased to be the first to offer the new, environmentally friendly TB20e excavator," said TJ Mahoney, vice president, supply chain for United Rentals. "Not only does this machine provide our customers with a more sustainable equipment option, it's also more cost efficient to operate. We look forward to working with Takeuchi on additional electric-powered equipment innovations in the future."



Liebherr presents new compact loader series

and expanded the series praise from customers. with the L 504 model.

According to Liebherr, Versatile and powerful: the most important innova- intelligent solutions for tions include the redesigned **the lift arms** operator's cab, which proglass used in the design.

The optimised visibility of the lift arms also ensures the parallel guidance for which can be entered via a an unobstructed view of the working attachment and therefore maximum safety. The company claims that this is critical, for instance, of the operator's cab, which customer demand has led to the L 506 and L 508 models being made available in Speeder variants for the landscaping applications. first time ever. The Speeder to reach a top speed of 30 km/h.

The Liebherr L 504 comloader range.

Liebherr has now over- ful travel drive and high at the touch of a button. The simple and intuitive oper-

The new compact loaders vides the operator with have robust lift arms with Comfortable and safe: new excellent visibility thanks z-bar kinematics, which cab and functional design to the generous amount of facilitates the use of a wide variety of attachments.

safe and precise operation reinforced step. when working with forks.

when transporting palettes with paving stones or all directions. In particular, decking tiles in garden and operators have a much bet-

version allows the loaders even more, Liebherr offers High Lift arms for the L 506 on the sides, enabling an and L 508 models on re- unobstructed view of the quest. This is an extended rear area. pact loader is the latest version of the lift arms with model in Liebherr's wheel a greater reach, enabling compact loaders can be the compact loaders to load equipped with a backup

hauled its compact loaders tipping load have received company believes that this ation of the compact loader, saves time and reduces the which can be an important risk of accidents as the oper- attribute for equipment ator doesn't have to leave rentals. the cab when changing the equipment.

Liebherr has also added new features and solutions Liebherr has optimised within the redesigned cab,

The windscreen now According to Liebherr, reaches into the foot area brings better visibility in ter view of the attachment To increase versatility and the articulation area.

The rear screen is curved

Additionally, the new

loaders feature a modern and functional design. The

engine bonnet has a dynam- its low centre-of-gravity, great visibility from the cab.

The lift arms are tapered, material.

ic and clean design, with ensures optimum weight distribution.

According to Liebherr, which optimises the view the new design results in Liebherr's new compact of the attachment and the high-stability, safe and comfortable operation, day in

The compact design, with and day out.

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This new compact loader taller transport vehicles. series is comprised of three optimally coordinated with one another.

Liebherr's smallest wheel loader embodies the qualities of the larger Liebherr wheel loaders while also being an excellent value for the money.

With numerous new features, the L 506 compact has consolidated its already strong position in the market. As is the case for the L 504, the machine height of the L 506 remains under 2.5 LIKUFIX for the three commetres, making it easy to pact loaders. transport on a trailer. The new L 508 compact has become larger and wider than

Wheel loaders can be models, which have been confronted with a myriad trol elements and practical of challenges when used for municipal services. included to increase the Transporting materials with various buckets or forks, excavating with a 4 in 1 bucket, cleaning up with a sweeper lever, the machine operator or winter services with a can operate the lift arms and snow plough are just some

examples of this. Liebherr claims to have ensured the mastery of this trol lever, which is used to wide variety of applications control additional hydraulic by offering its fully automatic quick coupler system

LIKUFIX allows the machine operator to change between mechanical and both of the other Liebherr hydraulic working tools compact loaders. Its power- from the cab within seconds these measures ensure

camera on request.

Clearly-arranged constorage areas have been operator's space and comfort.

With the Liebherr control the attachment safely. This also applies to the optional mini joystick on the confunctions.

An adjustable steering column is available as an option. Also, the display, standard on all machines, is also adjustable and located on the A pillar in the cab. According to Liebherr,

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Cross more off your landscaping to-do list with the Kubota SVL Compact Track Loader. Compact and compatible with attachments such as graders, stump grinders, box scrapers, powered rakes and post hole diggers, it digs deep and gets the job done. It's all in a day's work, from a comfortable cabin.







Liebherr introduces its most compact truck-mounted city pump at World of Concrete

The THP 80-LP offers a high-performance solution for jobs in urban environments, without requiring a commercial license to operate.

Liebherr USA, Co. Concrete Technology from customers when engineering this lighter than the truck mounted boom pumps. has launched its new THP 80-LP truck new city truck. mounted concrete city pump at World of Concrete 2022 in Las Vegas.

It is the company's latest product designed for the North American market.

The new THP 80-LP truck mounted concrete city pump is a compact and powerful examples of the engineering driven by **High performance** pump designed specifically for the North customer feedback, according to Groen. American market.

mounted concrete pump product line and maintains the same high performance, quality, and offers many of the same features as the larger truck mounted concrete pumps.

According to Liebherr, it is the perfect solution for jobs in urban environments, residential jobs and compact job sites where space is limited.

reliable and flexible boomless pump truck up and easy to control, with an HBC option concrete types. for line pumping applications.

The design and development of the THP80-LP city pump comes as a result of storage with wide spaces for the concrete customer feedback and Liebherr's many years of engineering and production.

According to Liebherr Canada's Director

The wide platform on the truck's deck, the ease of changing over from low to high pressure and the hydraulic stabilizers that act as "short outriggers," keeping the machine steady when pumping are all direct

It is the smallest pump in the truck the same features as the larger heavy weight and powerful. truck mounted boom pumps, such as a 600 liter large capacity hopper.

Compact construction, lower weight

mobility, allowing operators to efficiently move around tight job sites.

Also, it fulfils the industry's need for a pump is around 28.4 ft and it is quick to set for the remote control.

> Additionally, the truck features ample can be done quickly and easily. water tanks for saving weight.

The THP 80-LP is mounted on a two axle of Finance, Matthew Groen, the company truck chassis flatbed chassis and weighs hoses on the pumping kit, allowing the mixing, transportation and installation of

According to Liebherr, this is convenient

commercial license to operate, which allows extreme pour spots like high rises. In those for more flexibility within crews when it cases, the flow is not that important, while comes to operation.

The pumping kit features an open loop Also, the THP80-LP maintains many of hydraulic circuit that is the simple, reliable

> This system is in line with the same quality and performance the boom pump models offer with much lower maintenance costs.

Liebherr pump kits are robust, low strok-The THP 80-LP offers greater flexibility and ing, low wear and make it simple switch parts.

The total length of the new Liebherr city than the cylinder itself, ensuring optimal suction performance, even with extreme

With the split wear plates, maintenance

Additionally, Liebherr offers a pumping tubes and accessories on the deck and plastic kit option that allows high pressure application for extreme tasks.

Operators can easily switch the hydraulic are designed for cost-effective, trouble-free

the concrete.

"The high pressure option is important for customers because it does not require a for cases where the concrete needs to reach pressure is," says Groen.

> This pump provides the standard hydraulic mounting with concrete pressure at cylinder rod side is 1088 psi (75bar), when switching connection, the concrete pressure at cylinder piston side is 1813 psi (125bar).

Concrete technology solutions

The new THP 80-LP is the latest addition to the rapidly expanding product portfolio of Liebherr truck mounted concrete pumps.

The Liebherr Concrete Technology div-The suction inlet has a greater diameter ision works to provide a diverse range of concrete technology solutions, including the development and manufacturing of high-quality truck mixers, mixing plants and concrete pumps.

> Additional concrete products, including conveyor belts for truck mixers and plant control systems complement the range.

According to Liebherr, these products

paid close attention to specific feedback around 22,684 lbs which is significantly machine to provide higher pressure on concrete. 🖬





GOMACO introduces world's first battery-powered curb machine and new paving tech at World of Concrete

At World of Concrete 2022, electric curb machine is directional controls, vibrator world's first battery-powered slipform curb machine, the CC-1200e.

towards an electric curb machine for almost two years engine noise. The lithium-ion slew drive steering on its now," explained Kevin Klein, GOMACO's Vice President of Engineering/Research and Development. "It has been the standard eight to 10-hour lows for maximum turning an interesting and exciting challenge for our entire Design Engineering team, but especially demanding for the controls and software exclusive G+ control system file. engineers. We take pride in with a full function radio leading the industry in new remote control that puts all has a 19 ft3 (0.54 m3) hopper product innovations and machine operations in the capacity with up to 15 in (381 adding another 'world's first' to our resumé."

GOMACO introduced the equipped with a power control dial, warning lights in (305 mm) diameter by introducing new intelligent battery pack.

The result is a paver with trol panel. "We have been working zero-exhaust emissions, rebatteries provide enough power for a full day of paving.

normal charge rate or an optional two-hour fast charge system.

hands of the operator. Travel mm) of horizontal sliding control, manual three-point capabilities for easy align-The GOMACO CC-1200e grade control, cross auger ment with ready-mix trucks.

located on the remote's con-

Also, the CC-1200e is front wheel assemblies, allowing for smoother paving Charging options include and easier control. This alcapability.

For example, it can slipform a 24 in (610 mm) radius, It features the GOMACO- depending on the mold pro-

The compact curb machine

speeds up to 43 rpm.

Curb molds can be interor left-side paving.

with the stop switch to proforward travel of the paver.

for mobility and navigating display at any time. around job sites. It's only 8.2 m) wide.

Its rear track and two front-93 ft per minute (28.3 mpm) auxiliary travel speed to move project.

New tech displayed on the GP3 paver

have advanced paver con- and diagnose each individ-



The hopper features a 12 trols and automation and are ual vibrator on the paver. dense 48 VDC lithium-ion and emergency stop are all 5.5 ft (1.68 m) long auger to valves on GOMACO's line illustrates the performmove the concrete at variable of equipment, including the GP3 paver.

The new self-programming duced vibrations, and zero equipped with rotary-sensor changed easily and can be valves eliminate the need to positioned on either side of set thresholds. The valves, the CC-1200e for right-side working with the paver's G+[°] control system, under-Also, it is equipped with stands and can automatically one variable speed electric react and self-adjust to the play software brought all vibrator that is coordinated dynamics of the machine. Initially the valve reacts to the vide automatic on/off vibrator machine set-up and adjusts control synchronized with the accordingly, but the operator can make fine-tuned sensi-The CC-1200e was built tivity adjustments from any capable to allow wireless

> GOMACO's G+ software ft(2.5 m) long and 7.8 ft (2.38 recognizes the change requests and immediately makes those adjustments. lows ground personnel the wheel assemblies allow up to This allows automatic correction of the paver's elevation, steering, pivotfrom one pour to the next or ing, travel control, anti-slip loading/unloading on a new positive traction of the tracks and more.

G+ controls now incorporate GOMACO's new vibrator monitoring system with the GOMACO's engineers ability to monitor, control

The touchscreen display

ance of each vibrator. The operator can see where adjustments need to be made and can make those adjustments electronically for an instant and on-the-go response.

GOMACO's Navigator disthe G+ paver accessories together for easy control and monitoring on an optional touchscreen display.

Also, it is now fully Wi-Fi control from multiple display screens anywhere on the paver.

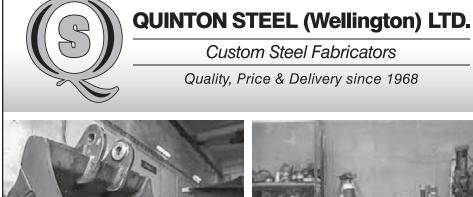
A wireless extension alability to view and make fine-tuned adjustments to the paver's performance and configure settings for the GSI, side bar inserters, tie bar inserters, and power transition adjuster using any tablet or phone.

Additionally,

machine-to-machine communication is now possible using the GOMACO Navigator display and G+ control.

When a GOMACO paving train is at work on a project, the GP3 paver now has the ability to talk to the other GOMACO equipment on the project with a G+ control system.

For example, if a GO-MACO placer/spreader is at work in front of a GP3 paver, the paver and the concrete being placed in front of the paver is too low, it can tell the placer/spreader to raise its strike-off and allow more concrete to be placed. According to GOMACO, machine-to-machine communication introduces a new era of automation, paver intelligence, and ultimate performance to GOMACO equipment. The new technology is advancing throughout GOMACO's entire line of concrete slipform paving equipment. The new self-programming valves are also being integrated into GOMACO's full line of curb and gutter machines. 🖬







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LOOKING BACK AT CONCRETE

By HCEA Canada

Pictured here, in 1924, is the construction of Lock #5 of the Welland Canal.

The canal, under construction from 1913 to 1935, had production numbers that were quite staggering, given this project started over a century ago. Over 40 million cubic meters of earth and over 7 million cubic meters of rock were excavated. Additionally, some 2.3 million cubic meters of concrete was placed. However, the human price of this job was incredibly high-138 workers were killed over the duration of construction.

As construction progressed, various sized concrete mixers with capacities of up to 40 cubic yards were located Lock #5, the Blaw-Knox trav- events, as long as pandemic near locks. Mixed concrete in buckets was shuttled by the construction railway that operated the $43 \,\mathrm{km}(27 \,\mathrm{miles})$ length of the canal. Also, the trains brought aggregate from the on-site crusher to workers.

Canada Cement Company had established a cement plant in Port Colborne by 1913 in anticipation that work would begin.

In the early 1900s, Blaw-Knox Co. patented reusable steel concrete travelling forms & delivery towers, which Workers Memorial," which County Museum.



were utilized throughout the was unveiled in 2017-a fitcanal's construction. The tingtribute set in a prominent concrete buckets could be location near Lock #3 of the hoisted up the delivery tower and workers could let gravity place the concrete into the tion Equipment Association forms.

elling form collapsed while it restrictions have been lifted. was being moved, causing the Please check their website death of three workers.

Several years ago, a group ada.org of local historians to research where and how these 138 men stored pieces of vintage lost their lives during the con- construction equipment struction of this canal.

couldn't speak English, while others were inexperienced held in June and "The Last around the equipment.

Once the local group completed their research, they at HCEA Canada's proud set out to create the "Fallen Heritage Partner, the Simcoe

Welland Canal.

The Historical Construc-(HCEA Canada) is looking Unfortunately, in 1925 at forward to hosting its 2022 for updates: www.hceacan-

To see more than 60 rein action, be sure to attend Manywereimmigrantsthat HCEA Canada's events: "Wheels & Tracks in Motion" Blast" held in October.

Both events are held



Paul Chafe

Service Manager

promoted Paul Chafe to the

position of Service Manager

in our Orillia branch. Paul

an apprentice at Champion.

joining Jade in 2013. We

are happy to have Paul

in this position as we rely

greatly on his knowledge

JOHN DEERE

Staff Promotions and Additions a

Steve McCoy, President, Ric Ross, Vice President and Bonnie McCoy, Secretary Treasurer are pleased to

Eric Bouchard General Manager

On January 1st, 2022, Eric In November 2021, we Bouchard was promoted to General Manager. Eric started at Jade in June 2019 as Territory Sales Manager for the Central and Northern Ontario region. Prior to joining the Jade Team, Eric worked at Jackson Toyota for 12 years as a Product Advisor and Leasing Manager and at Yamaha Motors Canada for five years before that, as Parts and Accessory Territory Sales Manager. His vast sales experience and knowledge spans over 20 years, which will benefit him greatly in this new position.

chapter, Eric!

Congratulations, Paul, on Best of luck in this next your promotion!

and expertise.

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He is a factory-trained Champion employee with a vast knowledge of Champion, Volvo and Easi-Pour. After his 10 years at Champion, Paul applied his mechanical knowledge at several companies, until

lan Ross **Territory Sales Manager**

's Grader People

www.jadeequipment.com • info@jadeequipment.com

The beginning of January 2022 brought us a new Territory Sales Manager.

lan Ross has taken over started his career in 1988 as the Central and Northern Ontario territory. lan's background is very strong in customer relations which has included sales at Subaru for five years and managing a music store. We know that his awardwinning customer service and sales experience will serve him well in his new role at Jade Equipment. We wish you all the success

in this new endeavor, lan!



Danny Tranberg Sales

In our Edmonton branch, we welcome Danny Tranberg to the sales team.

Danny started with Jade in September 2021 in our parts department but. having a sales background. we moved him over to the sales department.

Danny's background includes seven years at Big Foot Enterprises selling Skid Steer attachments and prior to that, nine years at Bobcat in their parts and rentals departments.

Welcome, Danny! We wish vou the best in this new role.

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Lehigh Cement and Enbridge agree to advance a CO2 storage solution in Alberta

Lehigh Cement, a division of capturing approximately to develop an open access Limited, and Enbridge Inc. have announced a memorandum of understanding be transported via pipeline ernment of Alberta's Request to collaborate on a carbon and permanently sequessolution for Lehigh's cement tered by Enbridge. Subject to manufacturing facility in the award of carbon seques-Edmonton, Alberta.

Lehigh is developing North America's first full-scale carbon capture, utilization and the cement industry at its Ed-

of Lehigh Hanson Materials 780,000 tonnes of carbon dioxide (CO2) annually.

> tration rights and regulatory from Capital Power and approvals, the project could be in service as early as 2025.

With the support of Lehigh storage (CCUS) solution for and Capital Power Corporation with their local facilities, monton plant, with the goal Enbridge will be applying

carbon hub in the Wabamun area, west of Edmonton, Captured emissions would Alberta, through the Govfor Full Project Proposals process.

> Combined, the emissions Lehigh's planned carbon capture projects represent an opportunity to avoid nearly 4 million tonnes of atmospheric CO2 emissions. Once built, the Open Access Wabamun Carbon Hub will be among the largest integrated CCUS projects in the world.

"At Lehigh Hanson, we believe that carbon capture and storage technology will play a key role in transforming the cement industry and building a more sustainable future," said Joerg Nixdorf, President of Lehigh Hanson's Canada Region. "We are excited about taking the next steps in our ambitious journey to achieving carbon neutrality across the cement and concrete value chain.

"Having a carbon hub solution in place by 2025 is essential for the successful implementation of the CCUS project at our Edmonton cement plant," Nixdorf added.

eering CCUS project is an



proposed Open Access Wa- for definitive climate action bamun Carbon Hub, which in Canada with this full chain is poised to support the CCUS initiative and we are decarbonization of multiple industries, including power generation, oil and Lehigh's Edmonton cement gas, and now cement," said Colin Gruending, Enbridge Executive Vice President and President, Liquids Pipelines. International CCS Know-"This collaboration demonstrates our focus on local. cost-effective, customer-focused carbon transportation emissions reductions, across and storage solutions that multiple industries, includdrive scale and competitiveness while minimizing infrastructure footprint to of Canada (CAC) welcomes protect land, water and the the announcement of an environment."

exciting addition to our Enbridge in advancing plans Lehigh's Carbon Capture proud to be a part of the carbon capture development at plant," said Mark Demchuk, National Director, Strategy & Stakeholder Relations at the ledge Centre. "Collaborative CCUS solutions like this are a vital enabler of large-scale ing cement production."

"The Cement Association MOU between Lehigh so pleased to see this CCUS

Utilization and Storage project in Edmonton, Alberta. This is another positive step forward in the development of Lehigh Hanson's CCUS project, supporting an end-to-end solution for carbon capture and permanent storage," said Michael McSweeney, CAC President/CEO. "These types of partnerships on critical technologies like CCUS are how we will win the fight against climate change and demonstrate to Canadians and the world how our hard to abate industry will reach its net-zero ambition. We are "We applaud Lehigh and Hanson and Enbridge for project moving forward." 📼



New smart creep for CAT skid steers and CTLs maximizes concrete tool productivity

Caterpillar has announced that it will soon be launching a smart creep feature for the full range of CAT D3 skid steer loaders (SSL) and compact track loaders (CTL) for operating CAT cold planer and wheel saw attachments.

Smart creep senses the load on the attachment and automatically adjusts the drive command to keep the cold planer or wheel saw running at the most productive speed.

A combination of attachment sensors and proprietary attachment, and too slow of reverse feature within smart software optimally balances attachment load and ma- loss. chine speed to maximize productivity. creep increases machine speed when encountering less resistance and auto- tachment feature from matically slows the machine Caterpillar, the operator when encountering higher needs only to activate the load. Engine load remains standard creep control sysconstant, while the operator tem and set the maximum can monitor hydraulic pressure on the in-cab display panel. According to CAT, smart smart creep measures load creep takes the guess work out on the attachment and adof setting the right creep speed justs the drive command for operating the attachment. automatically as cutting Without the aid of this feabegins. ture, setting creep speed too



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New smart creep software smoothly and efficient-

By continually sensing the ly determines the optimal load on the attachment, smart machine speed for cutting conditions.

> With this new smart atcreep speed on the advanced display inside the cab. Once the tool engages the cut,

fast can lead to stalling the jamming or stalling, an auto creep quickly changes machine direction to allow the tool to clear the jam.

Targeted availability for smart creep on Cat D3 SSL and CTL machines is the third quarter of 2022.

A field installation kit consisting of sensors and machine software for operating the new feature will be made available for existing fleet loaders and attachments.

Once commercially available, new cold planer and wheel saw purchases will be shipped from the factory with the required hardware installed, and new D3 SSL and CTL models will come smart creep ready from the In the event of the cutter factory.



Curb Roller launches Badger Curb Maker for monolithic pours

monolithic pours.

According to Curb Roller, been designed to seamlessly shape and finish curbs, support user efficiency and and labour.

high-quality, uniform re- is in front of the machine. sults for concrete pours.

Vegas.

"There has been a growing demand for monolithic pours from operations both large and small as they amp-hour DeWalt batterylook to improve their efficiency," said Seth Ulmer, sales manager at Curb Roller Manufacturing. "The Badger Curb Maker increases productivity for curbing work by up to 150%. This product turned a once tedious task into a quick procedure that can be completed by almost anyone on a jobsite."

ing, the world leader in or a laser screed, the Badger has the capability to com- Maker can be paired with shaped concrete roller Curb Maker is positioned plete a length of concrete a variety of different drums screeds, introduces the along its perimeter to form curb as long as 150-200 in order to meet the vari-Badger Curb Maker for the concrete to the shape of linear feet with a single ous curb specification the curb.

One operator oversees the Badger Curb Maker has the equipment by wearing providing safe, efficient, widths and sizes. an adjustable waist belt to user-friendly solutions for guide and pull the Badger our customers," Ulmer said. Manufacturing, it will con-Curb Maker as it spins in "The debut of the Badger tinue to offer its monolithic reduce the need for extra the opposite direction to Curb Maker demonstrates equipment, transportation put the concrete in place. our commitment to further well as the Hydra-Screed Another crew member man- innovate the market and The Badger Curb Maker ages the concrete with a help our customers conis battery-powered and rake or shovel to ensure the tinue to find new ways to solutions for monolithic lightweight, and delivers correct amount of material improve their bottom line."

Curb Roller showcased Badger Curb Maker joins tractors who are not only the Badger Curb Maker at the growing trend of bat- looking for a more efficient World of Concrete in Las tery-powered equipment way to shape a new curb on job sites. It provides a for a parking lot or street, portable, cord-free solution but also for projects like for sites with limited space. patching or repairing old

It is powered by a 12 infrastructure. compatible with many other facturing's Curb Roller

DEUTZ

charge.

The Badger Curb Maker Also, the battery-powered meets the needs of con-

Like Curb Roller Manu-



setup on the Curb Roller, as with large custom drum options, to provide additional pours. 🖬



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Traditionally, there are three ways contractors have completed monolithic concrete pours: with expensive slipform pavers, or by hand shaping or face forming, both of which require highly skilled labor and more materials.

With the Badger Curb Maker, Curb Roller is looking to offer a cost-effective, battery-powered solution that is easy to learn and provides consistent results with less reliance on the operator's skill level.

With monolithic pours, contractors skip the step of an additional pour before placing and finishing the curb.

Once concrete is poured and the flatwork is complet-



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Aquajet has hired James business development man- help build understanding North America.

providing operational and Aquajet equipment." maintenance training.

shooting and repair services company where he traveled for Aquajet equipment, including Aqua Cutter robots, Ergo Systems, Ecosilence trical applications. high-pressure pumps and EcoClear water treatment interest in Hydrodemolisystems.

lition operator himself, Hydrodemolition robot James brings a deep under- operator. standing of the equipment, how it works, and the kinds and outs of the business, of challenges our customers he became interested in experience on jobsites," said the manufacturing side Keith Armishaw, Aquajet's and applied at Aquajet to

Brown as its service and ager for North America. "We of Hydrodemolition equipapplication specialist for believe our customers will ment and showcase all it greatly benefit from his can do. Brown provides service knowledge of the industry, and support for Aquajet his passion for Hydrodemo- way of the future and I'm customers throughout the lition, and his enthusiasm proud to be a part of this United States and Canada. for helping contractors revolution as the appli-His role includes commis- learn how to maximize cation continues to grow sioning new equipment and the performance of their in the United States," said

He also provides trouble- at a commercial lighting around the U.S. installing Hydrodemolition specialwiring for lighting and elec- ists."

tion technology, he then "As a former Hydrodemo- pursued a position as a

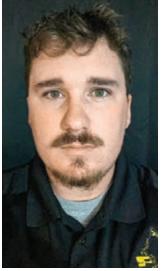
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"Hydrodemolition is the Brown. "I enjoy taking cus-Brown started his career tomers from ground zero to getting them up to speed and creating experienced

Brown lives in southern Due to a long-time Indiana with his wife and James Brown children. 🖬



Rototilt announces Dane Keiter as product support technician

Rototilt Inc has welcomed Dane Keiter to its North American product support team.

Dane's main responsibilities will include field and technical support, as well as Rototilt tiltrotator installation across North America mainly focusing in the United States.

He brings extensive experience in heavy equipment repair and service, Dane Keiter both as a field technician and in-house mechanic. having served in Afghan-For example, he spent 5 istan. years at United Rentals as a level IV field service tech- Dane's experience and skill nician.

Dane is also a veteran, the company.



According to Rototilt, set will be a huge asset for

Wajax announces CEO succession

announced that Mark Foote contribute to the ongoing will retire as President and success of such a storied Chief Executive Officer on Canadian company. I look December 31, 2021.

the Chief Executive Officer ensure a successful transiof Tundra Process Solu- tion, and I am convinced by Wajax in January 2021, in an even stronger organizwill be appointed President ation for our team and our and Chief Executive Officer customers." of Wajax upon Mr. Foote's retirement.

nificant change.

forward to working with Iggy Ignacy (Iggy) Domagalski, and the leadership team to tions, which was acquired Iggy's leadership will result

Mr. Domagalski joined Tundra in 2008 and, after Mr. Foote has served as serving as Chief Operating President and Chief Exec- Officer, was appointed Chief utive Officer of Wajax since Executive Officer in 2016. March 2012, guiding the Since then, he has been in-Corporation through sig- strumental in leading the team which has built Tun-Commenting on his ex- dra into a Canadian leader frontline staff and manu- Foote will also retire from perience, Mr. Foote said, "It in the industrial parts and facturing partners to drive the Wajax Board of Directors.

Wajax Corporation has lead the Wajax team and to Board of Directors for the Kids Cancer Care Foundation of Alberta.

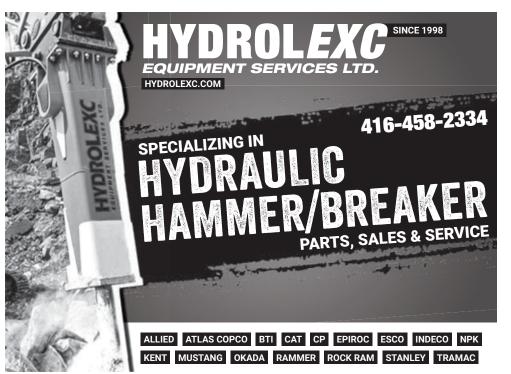
> Mr. Domagalski is a shareholder of Wajax, currently holding approximately 135,800 common shares.

Commenting on his upcoming role, Mr. Domagalski said, "I am very excited by the opportunity to lead Wajax to continue its successful and to continue our strategy of combining a diverse upon the work already done range of heavy equipment, industrial parts and services, and excellent customer service, to drive sustainable growth. I am particularly looking forward to working with Wajax's leadership team,

Mr. Dexter continued, "As part of a comprehensive succession planning process, the board surveyed and evaluated a wide range of internal and external Chief Executive Officer candidates. We are confident that the choice of Iggy as Wajax's next leader will allow the company growth strategy and build to position Wajax as an industry leader in customer service, employee satisfaction and safety."

In connection with his retirement as President and Chief Executive Officer, Mr. Mr. Domagalski will be appointed to the Wajax board concurrently with his appointment as President and Chief Executive Officer. Wajax also announced a Rob Dexter, Chairman of number of other upcoming changes to senior executive roles. Steve Deck, who has been with the Corporation since 2014, most recently serving as Chief Operating Officer, will become Chief Operating Officer and Senior Vice President, Heavy Equipment. Justin Warren, who has also been with the Corporation since 2014, most recently serving as Regional Vice President, Ontario, will become Senior Vice President, Industrial Parts and Engineered Repair Services.

has been a real privilege to



engineered repair services businesses.

Following Wajax's acquisition of Tundra, Mr. Domagalski became a member of the Wajax Senior Leadership Team and has participated actively in the development of the Corporation's heavy equipment and industrial parts and services strategies for 2022 and beyond.

He holds a Bachelor of Commerce (Honours) degree from the Asper School of Business at the University of Manitoba and, in 2018, was named by BNN Bloomberg as one of Canada's Top 40 Under 40.

Also, Mr. Domagalski is the Fundraising Chair and serves as a member of the and services provider."

energy into the company's brand and culture, and to use the company's financial capacity to capitalize on organic growth and acquisition opportunities."

the Wajax Board of Directors, stated, "On behalf of Wajax's employees, manufacturing partners and the board, I would like to thank Mark for his incredible hard work during nearly ten years as

President and Chief Executive Officer. Mark's outstanding leadership and resolve have ensured that the changes necessary to manage through challenging markets have been made, and that Wajax is on-track to become Canada's leading industrial products

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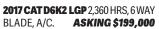






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