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A PUBLICATION FOR AND ABOUT OUR CUSTOMERS IN THE NORTHWEST

UPDATE

Ascendent Demolition LLC

Washington-based
contractor focuses on
full building demolition



Rick Estes,
Co-owner and
Project Manager

A Message from Modern Machinery



Jeff Schwarz

**Celebrating
10 years of IMC**



Dear Valued Customer:

We sincerely hope that your year is going well. While the economy has seen its ups and downs, construction is one industry that has continued to be an overall bright spot even if some sectors have been somewhat slower lately.

On a celebratory note, it is the 10th anniversary of Komatsu's Intelligent Machine Control (IMC). What a decade it's been for the factory-integrated GPS excavators and dozers that continue to improve. Companies of every size are seeing improved savings in both time and costs, and you can read some of their stories in this issue.

With its extensive lineup of construction, mining, forestry and industrial machinery, Komatsu continues to innovate. Get a glimpse of what Komatsu has to offer and see the future of construction inside this issue. We highlight the new PC130LC-11 that's a great all-around excavator designed to work in a wide variety of applications and is portable enough to be moved behind a dump truck or a larger pickup.

No matter what you need, we have you covered with machines and innovative products. If you are looking for equipment, you should consider tax advantages such as bonus depreciation. This year, full (100%) bonus depreciation, which was passed under the Tax Cuts and Jobs Act of 2017 (TCJA), dropped to 80%. Under the law, it will continue to decrease by 20% per year until it reaches 0% in 2027, so now may be a great time to make a purchase. Check out the article in this issue for more information.

As always, if there is anything we can do for you, please feel free to contact one of our branch locations.

Sincerely,
Modern Machinery

A handwritten signature in black ink, appearing to be "Jeff Schwarz", written over a light grey background.

Jeff Schwarz,
President



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Washington-based Ascendent Demolition LLC continues to grow into full-service demolition contractor



Rick Estes,
Co-owner and
Project Manager

Destruction of the Kingdome — home to Seattle professional sports teams from 1976 to 1999 — provided the catalyst for Rick Estes to start his own business.

"I worked for a prominent company that landed the selective demolition," recalled Rick. "Unfortunately, they underbid the job by quite a large amount, which led to it going out of business about a year later. During that timeframe, I was promoted from a field superintendent to project estimator, which kind of concluded my education in doing demolition work."

Rick began learning about the demolition industry just out of high school in the late 1980s when he was handed a jackhammer.

"I performed about every role possible for various companies," recalled Rick. "Once the one I was working for on the Kingdome job closed, there was really only one thing left to do."

Rick took his "education" and about \$10,000 he borrowed from a family member, obtained a business license, and started Ascendent Demolition LLC in 2001. He believed the name was a perfect fit for not only the circumstance, but the type of work the company performs.

"Ascendent means on the rise, and I believed that Ascendent was kind of like a phoenix rising out of the ashes of a failed company," Rick explained. "Additionally, demolition is often the starting point of something new and better. I thought it really embodied who we were and where we wanted to go."

Since Ascendent Demolition's inception in Puyallup, Wash., Rick has overseen operations as a co-owner and a project manager. His business partner, Heather Estes, is also a co-owner and the administrative manager. Their son Mike is a project manager and part of a team of about 75 full-time employees.

"I was fortunate to have some contacts in the industry, and I got a call from a prior client who had a \$10,000 job," said Rick. "I couldn't have picked a better first job to get us off the ground because it led to additional work. Over the course of a year, we performed \$200,000 in select demo at the same address."

That fast start allowed Ascendent Demolition to hire additional staff, and Rick was able to focus on sales, which spurred further growth. In 2007, the company bought a commercial property to house the business. Then, the Great Recession hit, and Rick realized there was more to learn.

"It was a challenging time," said Rick. "We came through it with several lessons in how to run the business that have led us to where we are today. We're grateful to have survived because a lot didn't."

Change in focus, bigger machinery

Throughout its early days, Ascendent Demolition maintained a focus on selective work. That changed about eight years ago when Rick decided it was time to tackle full building demolition, which now accounts for about 60% of the company's current portfolio of work, with the rest made up of mainly selective demo and hazardous material abatement.

"We now consider ourselves a building demolition contractor, but it's important to us to facilitate any customer need, whether it's pulling up some carpet for \$1,500 or taking out a large structure for \$4 million or \$5 million," Rick stated. "Emergency response is also on our list, and we offer other services such as

An operator cuts steel with a Komatsu PC490LC-10 excavator.





Ascendent Demolition recently added a Komatsu PC800LC-8, its largest excavator to date. “We’ve wanted to add a PC800 for some time because we have gotten aggressive in the civil bridge demolition market, and we see it as a key to our success of being able to honor our commitment of taking those down quickly,” said Project Manager Rick Estes.

concrete polishing and restoration. We believe that diversification is important, and we have added the civil market in the last couple of years to go along with the commercial and industrial work that we mainly do.”

A stronger emphasis on full building demolition prompted Ascendent Demolition to look for bigger machinery.

“I decided it was time to take a chance and buy a big excavator,” Rick said. “We bought a used, low-hour Komatsu PC350HD in 2015, studied the production of what it could do, and realized that we could drastically change our bidding metrics and compete with the big players. Our timing worked out really well because the market was good. Slowly, we started accumulating more equipment, and by 2017, we had five or six machines.”

The PC350HD wasn’t Ascendent Demolition’s first Komatsu excavator. Rick purchased a PC200 almost a decade prior. Both were acquired with the help of Modern Machinery Territory Manager Mike Foote.

“I called several dealers looking for a machine, and Mike was the most responsive; he treated me like I was any other contractor and took the time to get to know me when others wouldn’t give me the time of day,” commented Rick. “It said a lot about him and Modern, and they haven’t let me down since. Their support is outstanding, whether it’s parts, service or the knowledge that Mike and Modern have in what we need in machinery. It’s a big reason why we chose Komatsu and have stayed with it.”

Ascendent Demolition’s current fleet includes 21 Komatsu excavators, ranging in size from a 9.6-ton PC88MR tight tail swing to an approximately 90-ton PC800LC. The larger machines stand out due to their branded red counterweights that bear the company name. All are plumbed to run attachments such as shears and hammers.

“We’ve wanted to add a PC800 for some time because we have gotten aggressive in the civil bridge demolition market, and we see it as a key to our success of being able to honor our commitment of taking those down quickly like



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Continued...

'Komatsu in general gives us great production and longevity'

... continued



Kyle Jolk,
Equipment Manager

we did on the Main Street overpass in Bellevue," said Rick. "We had 40 hours to break up and remove about 3,500 cubic yards of material. We got it done about six hours ahead of schedule, which was exciting. The PC88s are like shovels and brooms in comparison, but they are great utility machines that give us a lot of options. We tend to buy low-hour, well-cared-for, used machines, but we went with brand new on those because they duty cycle so much. We equip them with rubber pads over steel for sensitive work such as interior demo."

Rick continued, "Komatsu in general gives us great production and longevity in a demanding application. We have excavators pushing 10,000 hours, and our fleet probably averages around 3,400 hours at this time. Every Komatsu we have purchased is still working and considered a primary machine."

To keep them in top shape, Ascendent Demolition Equipment Manager Kyle Jolk uses an aggressive preventive maintenance program that includes tracking the Komatsu equipment with Komtrax through My Komatsu. He monitors daily service hours, machine hours, idle time, abnormalities and other critical data.

"It's a great fleet management tool," stated Kyle. "The machine information is current. I also use My Komatsu to look at manuals for troubleshooting and to order parts. We take care of most maintenance ourselves, but when needed, Modern is right there to help. Their technicians and service department have been a huge asset."

Rick added that Foote and Modern Aggregate Sales Specialist Ron Payne were helpful in Ascendent Demolition's adoption of on-site crushing with the addition of an Astec FT4250 mobile impact crusher.

"It lowered costs versus trucking out, which has proven beneficial to our bidding strategy," said Rick. "When we bought that crusher, it was completely foreign to us. Mike and Ron came out and made sure we understood the crusher and how to make the most of it."



Modern Machinery Territory Manager Mike Foote (left) meets with Ascendent Demolition's Rick Estes. "I called several dealers looking for a machine, and Mike was the most responsive; he treated me like I was any other contractor and took the time to get to know me when others wouldn't give me the time of day," commented Rick.

Operators work in tandem with Komatsu PC350HD and PC400LC excavators on a building demolition.



Successful initiative

Ascendent Demolition has identified additional bridge demo as an area for new growth and wants to expand its footprint by doing more projects in Washington, Oregon, Idaho and Montana. The company is also focused on building a better future for the next generation of owners, and Rick stated that Mike and Senior Project Manager Jon Ross are set to take over when the time comes. Rick also formed the Ascendent 25 team, which includes himself, Heather, Mike, Jon and Administrative Team Leader Liki Estes. The team meets monthly to discuss ideas and challenges.

"I wanted to make sure that they were heard and given opportunities to learn, grow and implement their ideas, and the results have been nothing short of amazing," said Rick. "I see in them a lot of creativity, energy and desire that's creating further success. Since its implementation, we have seen our log of work more than double." ■



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Construction companies should consider cyber insurance that may mitigate risks, use strong cybersecurity practices



Joshua L. Coker,
Associate,
Robinson+Cole

About the Author: Joshua L. Coker is a member of Robinson+Cole's Litigation Section as well as the Construction Law Group and Construction Industry Team. Prior to joining Robinson+Cole, Coker served as a legal extern with the Office of the New York State Attorney General while attending law school.

Coker's previous work included matters involving civil rights, consumer fraud, wrongful death, and pandemic response.

Cybercrime is an increasingly prominent threat to many industries, and construction is no exception. With the growing use of digital technologies in what was once a primarily "offline" industry, cyberattacks can pose a significant threat at every level of the construction industry.

The construction industry routinely handles sensitive information that is of value to cybercriminals, including project plans, client information, financial records, and employee data. Furthermore, due to the tight project deadlines and complicated project scheduling common in the construction industry, it can be particularly susceptible to ransomware attacks that disrupt critical digital assets to extort "ransom" from their victims. Struck by a ransomware attack at the wrong time, a contractor, construction manager, or design professional may face the unenviable position of choosing between contractual penalties for delay or paying an anonymous hacker large sums of money to free compromised data or digital systems.

As with the many other business risks faced by the industry, the response of many players in the industry is to obtain insurance. While cyberattacks are usually excluded from standard Commercial General Liability (CGL) policies, many major insurers now offer optional coverage under a Professional Errors

and Omissions policy or through standalone cyber insurance. While insurance can afford some degree of protection against attacks, this is an imperfect defense at best. Disruption or damage caused by a cyberattack can be expensive, with data breaches and ransomware attacks often costing even comparatively small victims millions of dollars per attack in direct costs. These amounts can easily exceed policy limits. Downstream costs like loss of intellectual property, reputational damage, and in some cases, legal liability to the owners of compromised information are often nearly or entirely uninsurable.

Proper digital hygiene

Additionally, companies have seen a rise in cyberattacks led by hostile state actors. Often originating from countries hostile to the United States, such as Russia, China, North Korea, and Iran, these attacks are uniquely dangerous to companies due to their sophistication and because most cyber insurance policies contain exclusions for "hostile or warlike actions." Although still a developing area of the law, particularly given the ambiguity about whether a cyberattack that does not cause physical damage but nonetheless carries heavy economic costs is a "warlike" action, the exclusion risks a denied policy claim. Further, because cyberattacks by state actors often involve state secrets or national security concerns, insureds often have difficulty developing the facts around the cyberattack, complicating efforts to recover under their policy.

Despite its limitations, construction industry actors may want to consider obtaining or at least looking into cyber insurance or adding it as coverage to one of its existing forms of insurance. While it should not be relied upon as a sole means of protection, it may help mitigate the risk that modern construction companies face. Practicing proper digital hygiene by implementing strong cybersecurity measures like firewalls, multifactor authentication, encryption, and air gapping sensitive data, could be an essential, and unfortunately often neglected, safeguard in today's digital economy. ■

Editor's Note: This piece originally appeared on Robinson+Cole's Construction Law Zone. View it here: <https://www.constructionlawzone.com/2023/02/cyber-insurance-for-the-construction-industry/>.

Due to the rise of technology in the construction industry, it's important to protect your data with strong cybersecurity practices. You should also consider cyber insurance as a means of protection for you and your business, says Robinson+Cole's Joshua L. Coker.



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The 10th anniversary of IMC confirms that users have saved time, lowered costs with integrated GPS grade control



Andrew Earing,
Director of Tracked
Products and
Technical Service,
Komatsu

In 2013, Komatsu changed the landscape of the construction equipment industry with the introduction of the first Intelligent Machine Control (IMC) dozer that provided fully automatic blade control from rough cut to finish grade. The D61i-23 made an immediate impact, and a decade later, there is plenty of evidence that IMC equipment has cut costs significantly for customers and increased operator efficiency.

"Providing that semi-autonomous functionality in the dozers from the factory was unheard of in the industry," said Andrew Earing, Director of Tracked Products and Technical Service for Komatsu. "It was revolutionary. The integrated GPS grade control gave operators the ability to move dirt faster and more accurately with fewer stakes and reduced surveying costs. We found that novice operators saw their skill set grow rather quickly when using Intelligent Machine Control, because the semi-autonomous operation is a learning tool that is teaching them proper operation. Experienced operators found that it helped them work more comfortably throughout the day, and we found those operators willing to stay in the workforce a little bit longer because of the more enjoyable experience that the technology provided them."

Upgrades

The D61i-23's success set the stage for additional models, as well as IMC excavators that go beyond simple guidance to semi-automatically limit over-excavation and trace a target surface. Once the target elevation is reached, no matter how hard an operator tries to move the joystick to lower the boom, the excavator doesn't allow it. This reduces wasted time and the need for expensive fill materials.

Liesfeld Contractor, based in Richmond, Va., was the first company to adopt a D61i-23 dozer in 2013. It has since upgraded its fleet multiple times and currently has 10 IMC dozers and three IMC excavators, including some IMC 2.0 models with advanced features that help further increase productivity. The IMC 2.0 dozers have proactive dozing control, which enables even less-experienced operators to cut/strip automatically from existing terrain, as well as lift layer control, tilt steering control, and quick surface creation.

The IMC 2.0 excavators feature bucket angle hold control, which automatically holds the bucket angle to the design surface during arm operation. It's less fatiguing for operators, so they are more productive, and it produces a better finish-grade surface. Plus, auto tilt bucket control assists operators by aligning the bucket parallel with the slope, so that finish grading can be accomplished without needing to align the machine with the target surface.

Komatsu IMC excavators go beyond simple guidance to semi-automatically limit over-excavation and trace a target surface.





Komatsu's D61i-24 IMC 2.0 dozer is the second generation of the original IMC dozer introduced in 2013. Its features include proactive dozing control, lift layer control, tilt steering control, and quick surface creation.

"We have come to rely on IMC, as it puts a lot of the information about the job right in front of the operator on the monitor," said Kelby Morgan, Operations Manager at Liesfeld Contractor. "The more we can put on the job site, the better off we are. We can get jobs done with fewer worker hours. We're less reliant on surveying. Everything combined makes us more efficient. I think it gives us an advantage over those who don't use it."

Increased efficiency, lower costs

Wisconsin-based Soper Companies performs earthwork and various other services with a sizable fleet of equipment that includes several Komatsu IMC excavators and dozers.

"We're committed to incorporating technology into our practices — from having our own survey techs who lay out jobs to digital plans to using the latest innovations in grade control — because we see increased efficiency and overall lower costs," said Vice President Ethan Engel. "Our labor expenses are down because we don't need grade checkers, and we're moving material faster and more accurately."

Engel praised the Komatsu PC290LCi-11 IMC 2.0 excavator for its ability to follow complex design plans in foundation and utility digs.

"It's been spot-on, and once you hit target depth on the model that's been uploaded to the excavator, it won't let you dig any deeper," said Engel. "Operators hit final elevation without over-digging, so we are not replacing dirt with expensive backfill. In turn, that reduces trucking, lowers fuel consumption, and helps profitability. We are seeing similar savings with the dozers. Our operators get to grade faster with less material movement."

Frank A. Rogers & Company Inc. (FARCO), a general contractor in Arkansas, saw similar results when an operator used a D39PXi-24 IMC dozer to complete a 52,000-square-foot commercial building that included 4 acres of pads. According to President Taylor Meharg, it saved approximately 10% to 20% on costs compared to a similar project the company did with rental equipment. FARCO has also found that the D39PXi-24 cuts down on surveying time.

"We can do most of our surveying with one piece of equipment," said Meharg. "The level of accuracy you get with IMC is an upgrade over traditional equipment, and I think even the best operators in our company would agree with me that it makes their job easier and helps get the project done faster."

Continued...

'We view IMC as a time-saving tool'

... continued

Texas-based Baker & Company Construction LLC realized the benefits of IMC when it compared a GPS-integrated dozer to a competitive model with an aftermarket system.

"Komatsu was the clear winner," stated President Brad Baker. "Operation was smooth, and the fact that there are no masts or cables to deal with made it a no-brainer. We now have four IMC dozers that we rely on heavily for stripping to finish grade. Our productivity is higher, and our costs are reduced because those dozers allow us to move material once and more efficiently. Operators know exactly where to place, cut and grade because the plans are in the dozer, and it's automatically doing what's needed in relation to reaching finished elevation. They have cut our mass grading time by roughly 50%."

Specialty situations

Komatsu IMC technology works in specialty situations as well as traditional earthmoving. ABR Construction Inc., which is headquartered in Nicholasville, Ky., equips its PC360LCi-11 excavators with rock grinders.

"Using a grinder with the IMC technology allows you to achieve grade without over-digging or misalignment because misaligning a rock trench can be a very expensive mistake," explained Project Manager Ben Troxell.

ABR Construction also uses IMC dozers to complete everything from stripping to finish grade. The company gets further versatility by outfitting the dozers with rippers.

"We were constantly replacing stakes, and now, the whole site plan is in the dozer itself," said President Christian Ach. "We have less downtime, so we view IMC as a time-saving tool that makes our operators more functional. Now, they produce eight to 10 hours a day rather than worrying about knocking down stakes."

"I feel as though our overall efficiency has gone up 100% since we aren't wasting time staking, and that also frees up project managers to do other tasks," noted Senior Project Manager Darrin Darnell.

Continuing to build

According to Earing, customers across North America — and the world — have seen similar results with IMC equipment.

"The original vision for IMC was to provide a solution that all of our customers can benefit from," said Earing. "We wanted to make this available, scalable and really intuitive enough that everyone can use it, no matter the size of the contractor. Ten years later, we can pointedly say that we believe we achieved that and much more. We're continuing to build on it, and with customer input, we are seeing applications for IMC machines that we hadn't thought of at the beginning." ■

**The opinions expressed here are from the end users who are quoted. The results described herein are those of these end users under certain conditions. Your results may vary.*

The D71i-24 models are the newest Komatsu IMC 2.0 dozers.





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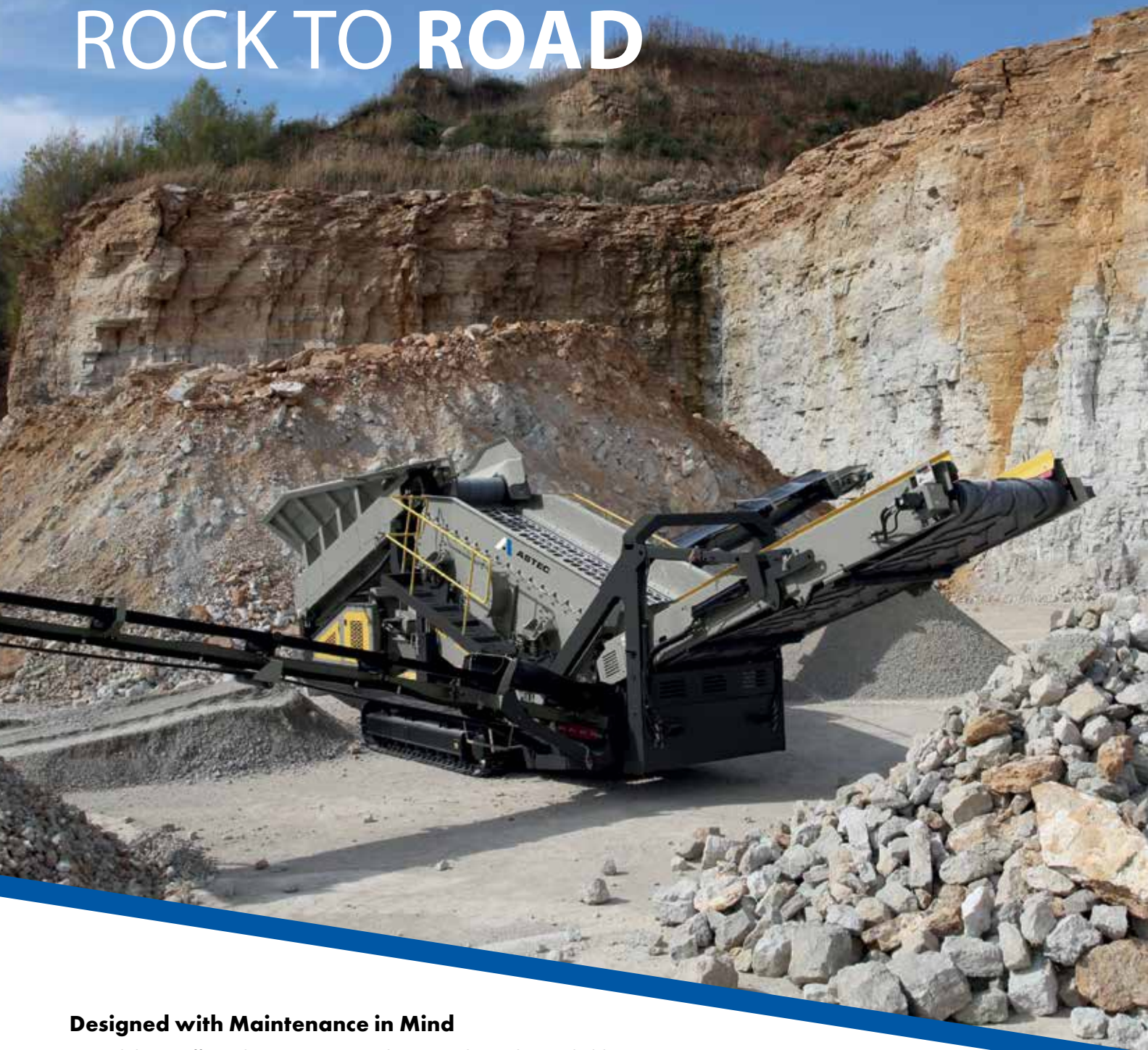
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Upgraded PC130LC-11 excavator increases lifting capacity while remaining highly portable for use in a variety of applications

Looking for an excavator that can help complete jobs faster? Easily transported from job to job, Komatsu's newly upgraded PC130LC-11 increases lifting capacity by up to 20%, compared to the previous model.

"The new PC130LC-11 has a longer undercarriage with 8% more track length, which provides greater stability and increased operating weight," said Nathaniel Waldschmidt, Komatsu Product Manager. "The result is increased lifting capacity both over the front and side. The upgraded PC130LC-11 can easily handle a wide variety of utility work or small construction jobs."

With fast cycle times, seamless multifunction motions, and exacting bucket movements for high productivity, the PC130LC-11 uses up to 12% less fuel, compared to the PC130-8. To further reduce fuel usage, the excavator also features auto idle shutdown, which stops the engine after a preset amount of time.

Its operating weight of 28,440 to 29,101 pounds makes the PC130LC-11 highly portable,

and users can move it with a tag trailer and still have capacity to spare for additional support equipment.

"Mobility remains a clear asset," said Waldschmidt. "When a contractor finishes one job, they can easily load the PC130LC-11 and quickly be on their way to the next job site. When they get there, it's a matter of minutes to unload and start working, so it maximizes productivity."

Built-in durability

Steel castings in the boom foot, boom nose and arm tip provide durability. The large one-piece hood, ground-level grease points, engine oil, and fuel filters provide quick-and-easy service access. Plus, high hydraulic pressures help optimize high arm and bucket digging forces.

Waldschmidt concluded, "We encourage anyone who's looking for a smaller conventional tail swing excavator that's proven to get the job done to contact their distributor for additional information and to set up a demo." ■



Nathaniel Waldschmidt,
Product Manager,
Komatsu



Learn more

Komatsu's PC130LC-11 excavator features a longer undercarriage that contributes to greater lifting capacity, compared to the previous model. It has fast cycle times, seamless multifunction motions, and exacting bucket movements for high productivity, while also being more fuel efficient.



Quick Specs

Model
PC130LC-11

Operating Weight
28,440-29,101 lbs.

Horsepower
97.2 hp

Bucket Capacity
0.34-0.78 cu. yd.



Customer feedback helps drive innovation at Komatsu Demo Days 2023 in Georgia



Michael Gidaspow,
Vice President of
Product Service
and Solutions,
Komatsu



Kurt Renzland,
Owner,
K.J. Renzland
Excavating Inc.



Thomas Wayson,
Operator,
The Quartz Corp.
of America



Bennett Conrad,
Operator/
Fleet Manager/
Technician,
Conrad Brothers

Komatsu customers had their first chance to get their hands on the new products that were featured at CONEXPO-CON/AGG at the company's annual Demo Days in Cartersville, Ga.

"We had about 400 customers come through the event with their distributors," said Michael Gidaspow, Vice President of Product Service and Solutions for Komatsu. "There were many Komatsu experts who talked to customers and got their feedback on our equipment and our solutions."

Customers at the event were eager to get in the operator's seat of two new excavators showcased at CONEXPO-CON/AGG: the PC900LC-11 excavator and the PC210LCE electric excavator.

"Those two machines were the stars of the show; they got a lot of feedback and operation," said Gidaspow. "Customers want to know how the PC210LCE electric excavator compares to their traditional excavator, or how the PC900 operates."

The event also featured Intelligent Machine Control (IMC) 2.0 equipment; Smart Construction and Smart Quarry solutions;

Montabert, Lehnhoff and Hensley products; and Komatsu's newest forestry machine: a PC230F-11.

"We want to make sure that Komatsu equipment is fully utilized, and that our customers' entire job sites are as efficient as possible," said Gidaspow. "That is where Komatsu technologies come in, so they can help customers hit their goals. When they come to Cartersville, customers can see what Komatsu does and learn about how our offerings can assist them."

While new machines and technology were a significant draw for the event, some customers noted the overall reliability Komatsu has provided their operations over the years.

"My experience with Komatsu is that the machines are very reliable," commented Kurt Renzland, owner of K.J. Renzland Excavating Inc. "That's why I'm here. My PC400 excavator is over 20 years old, and it has over 20,000 hours with the original motor and hydraulic pumps. For us, that reliability means we can keep working and aren't wasting time repairing machinery or having to deal with expensive repair bills. Even when we went

At Demo Days, an attendee scoops material with a Komatsu PC900LC-11 excavator equipped with an 8-yard bucket.

▶ VIDEO





A Komatsu instructor guides an operator through the capabilities of a Komatsu PC900LC-11 excavator.

through tough times, I was able to lean on our Komatsu machines and get through."

Powerful, efficient PC900LC-11

Towering above the other machinery and quickly drawing a crowd at Demo Days was Komatsu's PC900LC-11 excavator equipped with an 8-yard bucket.

"My first thought was that the bucket is monstrous," stated Thomas Wayson, an operator for The Quartz Corp. of America. "It would increase our production by being able to load trucks faster. You probably only need two buckets to fill the rigid frame dump trucks, so you'd be able to speed up the process quickly."

Despite its size, the machine shares similarities with smaller models.

"I like how the cab and controls are the same, so it doesn't matter if you're on a 160 or the 900 because everything's the same inside," said Bennett Conrad, a third-generation operator, fleet manager and technician at Conrad Brothers. "I like the visibility with the cameras and the serviceability. The filters are easy to get to and are in a good spot."

The cohesiveness among models lends itself to faster operator training.

"It was like running a 390, just bigger; there was no change or parasitic drag," said Wayson. "For training, it would be a quick transition from a smaller Komatsu machine to the PC900."

Testing Komatsu's electric excavator

Demo Days attendees were some of the first customers in North America to get behind the controls of the PC210LCE electric excavator, which will be field tested later this year.

"I currently run a diesel-powered PC210 excavator, and I think that if you were blindfolded, you would not be able to tell the difference between the two," said Wayson. "I expected the electric excavator to be underpowered, but it was not. It exceeded my expectations."

Wayson was also surprised by the comfort of the machine.

"When I was operating, I turned the air conditioner off just to get a feel for the machine and see how quiet it actually is," noted Wayson. "It was astonishingly quiet."



Joel Nicol,
Vice President,
Nicol and Sons Inc.



Watch the video

Continued...

'The Komatsu motor grader is smooth, quiet and powerful'

... continued

Hands on with GD655-6, IMC 2.0

Attendees were also quick to note the performance of the Komatsu GD655-6 motor grader.

"I use motor graders for fine grading quarry stone for parking lots," explained Renzland. "The Komatsu motor grader is smooth, quiet and powerful. The controls are super sensitive, and the visibility allows me to sit in my seat while operating. I'm used to standing up and working

large levers, so the operator comfort is better in the Komatsu machine."

Plus, Demo Days gave customers the ability to test Komatsu technology, such as IMC 2.0.

"I ran the D71PXi, which was my first experience with the 2.0 technology," said Joel Nicol, Vice President of Nicol and Sons Inc. "I could not believe the advancements in the mapping system, and an operator doesn't have to interfere with the process, it just pushes."

Visit Cartersville

Moving forward, Gidaspow encourages customers to visit Komatsu in Georgia and take the opportunity to operate new machinery and technologies.

"Any customers who haven't had a chance to come out, please talk to us, and talk to your distributor," said Gidaspow. "We have customers visit us year-round, and we have equipment here that hasn't yet been released to the market. We encourage feedback from our customers, so we can learn what's working or what we can do to make our equipment and our solutions better for you." ■

**The opinions expressed here are from the end users who are quoted. The results described herein are those of these end users under certain conditions.*



An attendee tries out a Komatsu PC210LCE electric excavator, which will be field tested later this year.

Operators move material with Komatsu D71PXi and D51PXi Intelligent Machine Control (IMC) 2.0 dozers, while another operator utilizes a Komatsu GD655-6 motor grader.



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See the new RP-195 asphalt paver.



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Komatsu selected as a Sourcwell heavy equipment provider

If you work for a municipality, not-for-profit or government agency, money and time are often tight. When it comes to purchasing new equipment, you need to know you're getting high quality, backed by good service. One of the easiest ways to do that is to join a cooperative purchasing agency such as Sourcwell. Membership is free, and there are no minimum contract requirements.

Among the largest governmental cooperative agencies in North America, Sourcwell represents more than 60,000 member organizations that have access to hundreds of competitively solicited contracts covering a variety of products, solutions and services. With Sourcwell, the procurement process is simplified.

First named a Sourcwell partner in 2019, after an extensive evaluation process, Komatsu was again awarded a national cooperative contract for construction equipment with related attachments and technology. Sourcwell members can

choose to purchase from more than 50 Komatsu models of construction and compact equipment, across 10 product groups. Komatsu's distribution network, which includes 29 dealers with collectively more than 200 branches across North America, will provide support to Sourcwell members.

"Sourcwell provides its members with a unique advantage in the cooperative purchasing process by leveraging qualified suppliers and ensuring that the process and pricing is streamlined to increase efficiency and generate savings for their members," said Komatsu's Robert Richens, Director of National Accounts. "Komatsu is thrilled to continue our relationship with Sourcwell and build upon our previous successes in North America. Sourcwell is a strategic partner in the governmental, education and non-profit sector, and we look forward to continuing to provide their members with our world-class products, services and customer-focused solutions." ■

Sourcwell, one of the largest governmental cooperative agencies in North America, recently awarded Komatsu another national cooperative contract for heavy equipment and related accessories, attachments and supplies.





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Komatsu launches Komatsu Academy, a new online training system for customers and dealers

Komatsu Academy, a new online training system that is currently available for Komatsu dealers, will become available for Komatsu customers this fall via the My Komatsu app.

Intended to easily provide educational content to users at any time, "Komatsu Academy is designed to help our dealers and customers recruit, strengthen their workforce, and retain their technicians and operators," said Craig Yager, Training Manager for Komatsu. "It's part of an ecosystem to bolster and improve the skill sets of current technicians and operators, while drawing new people to this industry by providing access to high school and technical school students."

Yager continued, "It's important for Komatsu to provide our dealers with in-depth knowledge of our products, so they can support our customers. And, for our customers, Komatsu Academy can provide training to support the creation of a skilled workforce that can operate our equipment more efficiently and

effectively, to help reduce machine downtime by identifying problems before they worsen."

Komatsu Academy will offer module-based, blended learning content such as videos, animations, documents, competency tests, and microlearning sessions that include safety, machine maintenance and operating best practices. These modules can be accessed easily through a mobile app and completed at an individual's own pace. For Komatsu customers, Komatsu Academy will offer some free courses and content, but the full suite of content will be accessible on a subscription or a per-course cost.

Flexible career development

Aside from relevant job training, Komatsu Academy will also provide career paths for users, allowing them to learn additional skills and become certified, which could help them advance within their organization.



Watch the video

Continued...

In the fall, Komatsu Academy will be accessible for customers via the My Komatsu app and will provide educational content wherever users have internet access.

▶ VIDEO



Komatsu Academy will help strengthen the workforce

... continued

"The ability to develop a career path is going to help an employee grow by identifying what training and skills are needed for advancement," explained Yager. "For example, Komatsu Academy can help an employee who works at the parts counter and wants to be a parts manager by providing a view to their career path and explaining what training and skills they need to achieve their goal."

When a person logs into Komatsu Academy, they are identified by their job role, and then the system tailors recommended courses for them.

"The system recognizes any potential career paths and displays certifications based on the job role information," said Yager. "Users can

Komatsu Academy will offer module-based, blended learning content such as videos, animations, documents, competency tests, and microlearning sessions that include safety, maintenance and machine operation.

find additional certifications and information relevant to their career path and see how the content they have taken to date applies to other potential careers."

For certifications, users can supplement hands-on training with educational content on Komatsu Academy to minimize time away from their organization.

"Our dealers are often faced with the difficult choice between supporting their customers or sending their technicians to do training to improve their skills," said Yager. "Komatsu Academy will provide them with an option to do both simultaneously. The technician can learn more about our products and how to troubleshoot them on their own, on the job, all with microlearning content at their fingertips. Instead of attending a traditional 40-hour class, they have access to content that's online, easily searchable, and consumed in small modules. They could be standing out at the machine on their lunch break and learn something about an excavator."

Development of VR training

As technology continues to evolve in the construction industry, virtual reality (VR) will likely be a crucial aspect of Komatsu Academy in the not-so-distant future.

"Our team at Komatsu is working with Arizona State University to develop virtual operator training using haptic gloves and VR goggles," said Yager. "Haptic gloves give you the feel of interacting with the machine. The user feels feedback through the gloves, and the VR gives them a 360-degree view of the machine. They can actually feel and see that they are grabbing a wrench and can feel the bolt tightening."

The technology enables people to have hands-on experiences with a machine, even if there's not a physical model on-site. VR training can circumvent any machine availability issues and provide hands-on content whenever and wherever.

"Someone training could be in a small classroom a thousand miles from the instructor, but they could virtually see and feel the machine and interact with the instructor," said Yager. "The potential use cases are endless. VR is going to be important for technical training, and Komatsu Academy will provide the necessary training information to make the workforce stronger and to spark renewed interest in careers within the construction and mining industry." ■



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Bonus depreciation has dropped to 80%; equipment must be purchased, placed into service by midnight Dec. 31

This year, full (100%) bonus depreciation, which was passed under the Tax Cuts and Jobs Act of 2017 (TCJA), dropped to 80%. Under the law, it will continue to drop by 20% per year until it reaches 0% in 2027.

Bonus depreciation is available for both new and used equipment placed into service by the end of the year. Eligible qualified property includes depreciable assets that typically use the Modified Accelerated Cost Recovery System (MACRS) with a recovery period of 20 years.

"The purpose of bonus depreciation is to encourage businesses to invest in new equipment and machinery," said Sean Farrell in the article "A Guide to the Bonus Depreciation Phase-Out 2023" on SharedEconomyCPA.com. "It provides businesses a tax incentive to do so."

With the percentage of bonus depreciation dropping, now may be a good time to consider making a purchase, according to Dan Furman, Vice President of Strategy at Crest Capital.

In the article "Goodbye, 100% Bonus Depreciation — Phase-Out Begins in 2023" published by Equipment World, Furman writes, "To qualify, the equipment must be bought and placed into service during the calendar year, so making your bonus depreciation purchase

as early as possible has advantages (avoiding supply-chain issues delaying shipment/etc.). Further, if you were considering a major purchase in 2024 or beyond and planned to use bonus depreciation, perhaps bumping that purchase to 2023 makes sense (80% depreciation this year vs. 60% next, and so on). In addition, finance rates are predicted to keep rising, so if you were planning to finance your purchase, there's another advantage to buying earlier."

Higher amounts for Section 179

An additional advantage with bonus depreciation is that it has no limit on the amount. It can be used in conjunction with Section 179 expensing, another tax savings vehicle, that does have a cap.

Section 179 limits the 100% depreciation amount to \$1,160,000 in 2023, an increase of \$80,000 compared to 2022. After that amount, the expensing percentage begins to reduce. The total equipment purchase limit for this year is \$2,890,000, which is up from \$2.7 million. ■

Editor's Note: This article is for informational purposes only. To learn more about how to take advantage of these tax savings, contact your tax adviser or equipment dealer for more information.



You can take 80% bonus depreciation on eligible new and used equipment purchased and placed into service by midnight on Dec. 31. The percentage drops to 60% in 2024.

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A NEW WAY TO TACKLE

WINDBLOWN WASTE COLLECTION

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Great solutions often stem from difficult problems. This was the case when Terramac developed its rubber tracked debris collection system. Windblown waste is a common issue among landfills and is easily worsened by severe weather. Collection of this lightweight debris has traditionally been done by crews on foot. While once sufficient, this method was never the most cost-effective or efficient. And when labor shortages began impacting the industry, the problems with windblown waste collection were exacerbated by the added challenge of finding adequate personnel.

VIDEO



EQUIPMENT SOLUTION

Quick to react, Terramac, a U.S.-based crawler carrier manufacturer, produced a welcome solution proven to dominate windblown waste collection by reducing manpower and labor requirements while saving time and money.

Terramac's debris collection system features a powerful 74-HP vacuum engine that provides 12,000 CFM of airflow for suctioning the windblown waste from fence lines and highways. Debris travels up the boom before being pushed through a 28" impeller fan, which mulches the trash as it enters the 14-cubic-yard hopper. The machine is operated by a single person who can control the hoist system, boom, and winch from within the cab for added operator safety.

"It's extremely exciting to see manufacturers like Terramac producing innovative equipment that simplifies work and solves an industrywide problem," says Rob Bias, Vice President of Marketing at Modern Machinery. "This one machine takes the place of a three-man crew, making it an asset for our landfill customers working to keep up with lightweight waste collection."

Terramac's signature feature, low ground pressure, is ideal for this application, allowing operators to maneuver effortlessly along fence lines, no matter how narrow the path or challenging the terrain. Fully loaded, the unit exerts 5.3-PSI.

MULTI-PURPOSE USE

The debris collection system attaches to Terramac's crawler carrier with a hooklift-mount configuration. This method provides advanced versatility with the ability to quickly change various bed styles and support equipment to increase overall carrier utilization. Therefore, the carrier can be repurposed with a dump bed for hauling daily cover, a hydroseeding unit for applying alternative daily cover and so much more.

"What's great about this unit is that its versatility is endless," explains Matt Slater, Terramac VP of Business Development. "Today a landfill may need it for debris collection, but when priorities shift, they can continue to utilize the carrier for other tasks."

The carrier's hooklift, which supports the debris collection system, is also interchangeable with most truck-mounted attachments already being used on landfills. Thus, when ground conditions are poor due to leachate or weather, the carrier can pick up where trucks leave off to keep projects on schedule.

Terramac carriers are assembled in the U.S. and supported by an expansive dealer network with more than 200 branch locations. Parts, service, and operator training are readily accessible, ensuring landfill managers have safe and reliable equipment as well as the know-how for maximizing their utilization. For more information on Terramac's landfill solutions, visit www.terramac.com/landfill-management.



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New Falcon Tandem Carriage improves steep-slope logging productivity, reduces environmental impact and safety risks

Steep-slope logging presents numerous challenges that can negatively affect productivity, safety and the environment. The Falcon Tandem Carriage helps operations overcome them with 100% mechanization that lets you access gullies, valleys and sensitive areas while keeping your crew members out of harm's way.

DC Equipment, manufacturer of Falcon Forestry Equipment (FFE), designed the Falcon Tandem Carriage to incorporate the Falcon Claw grapple carriage for semi-automated cable yarder logging. The Falcon Claw gives timber companies the ability to handle tree-length stems without the aid of people on the ground. The two Falcon products work intuitively and seamlessly without compatibility issues.

The Falcon Tandem Carriage runs on a standing skyline and can be lowered at a 2:1 ratio to provide double lifting power, excellent control for increased access, and accurate stem extraction. Once the yarder operator has it over the spot they want to log, they can lower the Falcon Claw to harvest the timber. The carriage utilizes a strong steel body that ensures large payloads.

"The Tandem Carriage is designed to work with any tower up to 100 feet, if required," said Hayden Thorn with DC Equipment. "The key benefits are accentuated in settings that have longer yarding distances combined with terrain that is challenging to access such as steeper gullies and environmentally sensitive areas. This is due to features such as the camera repeater system, roll-over shackle, and the payloads the carriage can accommodate, which can provide contractors opportunities to plan their blocks differently and allow for longer, more efficient yarding."

Regenerative power eliminates fuel costs

The Falcon Tandem Carriage reduces the need for raising and lowering the skyline, so potential damage to the tree canopy is significantly lower. The standing skyline also reduces rope wear and tear.

The rope configuration improves agility. It can be used for both shot gunning or slack line pulling. The ability to switch methods provides you with options during harvest planning.

The sheaves were designed with long ropes in mind, providing compatibility with rope shackles.

A repeater and camera let operators control what they see in a low-latency, high-quality feed on the in-cab monitor with virtually no signal loss. A smart control system gives operators complete control through a simple user interface, which is also accompanied by a feedback system. You can extend video communication using a tandem carrier as a repeater for deep gully extraction.

Thorn concluded, "The Tandem Carriage is designed for greater production and safety while being very cost-effective with low maintenance and regenerative power from the brakes and clamping system that eliminates fuel costs. We encourage anyone who does steep timber harvesting to check it out." ■

The Falcon Tandem Carriage virtually eliminates raising and lowering a tower's skyline for reduced environmental impact and greater productivity. The Falcon Claw is incorporated and works intuitively and seamlessly.









MODERN MACHINERY

Used Equipment Priced to Sell

(Prices subject to change without notice)

Manufacturer/Model	Description	Serial No.	Year	Hours	Price
Dozers 					
KOMATSU D375A-8	U BLADE, MS RIPPER	80042	2019	5,374	\$850,000
KOMATSU D155AX-8	SIGMA BLADE, MS RIPPER	100359	2019	2,379	\$485,000
KOMATSU D85PX-18	SU BLADE	22098	2017	5,232	\$225,000
KOMATSU D65PXI-18	PAT BLADE, UHF SYSTEM, NEW UC	90339	2016	6,309	\$215,000
KOMATSU D65PXI-18	PAT BLADE, UHF SYSTEM, NEW ENG, GOOD UC	90273	2016	8,727	\$174,000
KOMATSU D65PX-18	PAT BLADE	92117	2019	2,138	\$275,000
KOMATSU D65WX-18	PAT BLADE, MS RIPPER	91899	2019	1,532	\$275,000
KOMATSU D61PX-24	PAT BLADE, MS RIPPER	45174	2021	1,648	POR
KOMATSU D51PXI-24	PAT BLADE, 915 SYSTEM	B20850	2020	1,526	\$246,000
KOMATSU D39PX-24	PAT BLADE, MS RIPPER	100179	2021	1,059	POR
Wheel Loaders 					
KOMATSU WA500-8	7.5 YD SPADENOSE BUCKET, AJSS, AUTO LUBE	90642	2022	763	POR
KOMATSU WA500-8	8.2 YD BUCKET, AJSS 875/65 TIRES	A97144	2020	4,256	POR
KOMATSU WA480-8	6.5 YD BUCKET, AJSS, AUTO LUBE	A48132	2020	4,817	\$288,000
KOMATSU WA475-10	5.8 YD BUCKET, AJSS, 775/65 TIRES	A40136	2022	1,597	POR
KOMATSU WA380-8	QC	A75257	2020	3,342	\$216,000
KOMATSU WA380-8	QC	DZCQ0065	2023	553	POR
KOMATSU WA320-8	QC, FENDERS	86758	2022	1,598	POR
KOMATSU WA320-8	QC	A39141	2020	1,079	\$209,000
KOMATSU WA270-8	QC	85629	2022	1,578	POR
Compaction 					
DYNAPAC CA5000D	84" SINGLE DRUM, A/C	10000174TMA031170	2021	567	POR
DYNAPAC CA3500PD	84" SINGLE DRUM, PADFOOT	10000168AJA023630	2019	463	POR
DYNAPAC CA2500D	84" SINGLE DRUM, A/C	10000167ANA034348	2023	768	POR
DYNAPAC CA2500PD	84" SINGLE DRUM, PADFOOT	10000167LMA030834	2021	364	\$139,000
DYNAPAC CA1500D	66" SINGLE DRUM	10000160CPA035261	2023	192	POR
DYNAPAC CC6200VI	84" ASPHALT ROLLER	10000387HJA0213980	2018	266	\$168,000
DYNAPAC CC5200VI	77" ASPHALT ROLLER	10000386JJA023209	2019	125	\$159,000
DYNAPAC CC4200VI	66" ASPHALT ROLLER	10000385JJA023170	2019	150	\$137,000
DYNAPAC CC1300VI	54" ASPHALT ROLLER	10000470CMA032915	2022	249	POR
Excavators / Backhoes 					
KOMATSU PC800LC-8E0	11' ARM, COUNTERWEIGHT REMOVAL SYSTEM	65380	2019	4,114	\$825,000
KOMATSU PC800LC-8E0	11' ARM, COUNTERWEIGHT REMOVAL SYSTEM	65067	2012	8,768	\$449,000
KOMATSU PC650LC-11	14' ARM, QC	80094	2019	2,703	POR
KOMATSU PC490LCI-11	13' ARM, UHF SYSTEM	A45436	2023	511	POR
KOMATSU PC490LC-11	13' ARM, QC	A42505	2020	4,147	\$340,000
KOMATSU PC390LCI-11	13' ARM, QC, DUAL	A42188	2019	5,259	\$275,000
KOMATSU PC390LC-11	10' ARM, QC, THUMB, +1 HYDRAULICS	A30676	2021	2,082	POR
KOMATSU PC360LC-11	10' ARM, QC, THUMB, +1 HYDRAULICS	A37574	2020	1,740	POR
KOMATSU PC360LC-11	10' ARM, QC, +1 HYDRAULICS	A38766	2022	1,670	POR
KOMATSU PC290LCI-11	11' 6" ARM, QC	A29168	2022	710	POR
KOMATSU PC290LC-11	11' ARM, QC, THUMB, FOPS, CAB GUARD	K73150	2019	755	\$311,000
KOMATSU PC240LC-11	10' ARM, QC, +1 HYDRAULICS	95397	2019	4,299	\$175,000
KOMATSU PC238USLC-11	9' 6" ARM, QC, THUMB, +1 HYDRAULICS, AUTO LUBE	6908	2020	1,090	\$245,000
KOMATSU PC210LCI-10	9' ARM, QC, +1 HYDRAULICS, DUAL	505700	2021	1,767	\$259,000
KOMATSU PC210LC-11	9' 7" ARM, QC, THUMB, +1 HYDRAULICS	C81530	2022	1,055	POR
KOMATSU PC170LC-11	8' 7" ARM, QC, THUMB, +1 HYDRAULICS	36122	2021	566	\$207,000
KOMATSU PC138USLC-11	8' ARM, QC, THUMB, +1 HYDRAULICS	59768	2022	749	\$215,000
KOMATSU PC88MR-11	QC, 24, 48" BUCKETS, PRO THUMB, ROADLINERS	C40027	2023	61	\$119,000

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Motor Graders

Manufacturer/Model	Description	Serial No.	Year	Hours	Price
KOMATSU GD655-7	14' BLADE, MS RIPPER	65027	2019	838	\$299,000
KOMATSU GD655-6	14' BLADE, MS RIPPER	60866	2022	842	POR

Off-Road Trucks

Manufacturer/Model	Description	Serial No.	Year	Hours	Price
KOMATSU HM400-5	ARTICULATED TRUCK, TAILGATE	11260	2019	3,548	\$550,000
KOMATSU HM400-5	ARTICULATED TRUCK, TAILGATE	11664	2020	2,223	POR
KOMATSU HM400-5	ARTICULATED TRUCK, TAILGATE	12459	2022	1,455	POR
KOMATSU HM400-5	ARTICULATED TRUCK, TAILGATE	12435	2022	1,410	POR
KOMATSU HM400-5	ARTICULATED TRUCK, TAILGATE	12502	2022	1,124	POR
KOMATSU HM300-5	ARTICULATED TRUCK, TAILGATE	10365	2017	5,015	\$373,000
KOMATSU HM300-5	ARTICULATED TRUCK, TAILGATE	10593	2018	4,628	\$325,000
KOMATSU HM300-5	ARTICULATED TRUCK, TAILGATE	11219	2020	3,317	POR
KOMATSU HM300-5	ARTICULATED TRUCK, TAILGATE	11325	2021	1,789	\$475,000

Aggregate Equipment

Manufacturer/Model	Description	Serial No.	Year	Hours	Price
KPI-JCI T400	FABTEC REAR DISCHARGE JAW PLANT	PC351722	2022	73	\$927,100
KPI-JCI K300	SPOMAC REAR DISCHARGE JAW PLANT	C211587	2021	1,501	\$565,350
KPI-JCI FT2650	PIONEER TRACK MOUNT JAW	419966	2022	670	\$885,375
KPI-JCI FT2650	PIONEER TRACK MOUNT JAW	419868	2022	987	\$677,745
KPI-JCI J20	RANGER 2034 TRACK MOUNT JAW	225130	2023	20	\$558,000
KPI-JCI J20CC	RANGER 2034 TRACK MOUNT JAW	225126	2022	964	\$518,650
KPI-JCI GT125	PIONEER TRACK MOUNT JAW	420367	2023	16	\$646,350
KPI-JCI FT4250CC	TRACK MOUNTED HORIZONTAL IMPACT CRUSHER	419969	2022	186	\$1,020,100
KPI-JCI FT4250CC	TRACK MOUNTED HORIZONTAL IMPACT CRUSHER	419970	2022	169	\$1,046,175
KPI-JCI 6203-32	SPOMAC SCREEN PLANT	S225575	2022	132	\$341,225
KPI-JCI 6203-32	SPOMAC SCREEN PLANT	S225577	2022	325	\$349,170
KPI-JCI 6203SP	VALE SCREEN PLANT, 9 WAY CHUTES	210342	2021	100	\$244,370
KPI-JCI 6203-32	SPOMAC WASH PLANT WITH SWITCH GEAR	S235497	2023	N/A	\$500,000
AMS GT165	DF SCREEN PLANT, 3 PRODUCTS	214978	2021	538	\$322,100
AMS GT205S	AMS SCREEN PLANT, 2 DECK, MULTI FREQUENCY	225140	2022	802	\$439,100
KPI-JCI 36"X150'	SUPER STACKING CONVEYOR	420319	2023	223	\$379,725
VALE 36"X100'	VALE RADIAL STACKER SELF CONTAINED, DIESEL	220784	2022	556	\$195,300
VALE 36"X80'	VALE RADIAL STACKER SELF CONTAINED, DIESEL	210701	2021	589	\$93,700
SPOMAC 36"X60'	LOW PRO EXTREME	M22CON1516025	2022	N/A	POR
SPOMAC 36"X50'	LOW PRO EXTREME	MCON221515911	2022	N/A	POR
SPOMAC 36"X40'	LOW PRO EXTREME	N/A	2020	1	\$26,500
KPI-JCI GT 4860	32" X 60" RANGER TRACK MOUNTED CONVEYOR	235502	2023	9	POR
KPI-JCI GT3260R	32" X 60" RANGER TRACK RADIAL MOUNTED STACKER	235507	2023	0	POR
KPI-JCI GT4860R	42" X 80" RANGER TRACK RADIAL MOUNTED STACKER	235503	2023	20	POR
TRANSCO 32BF	TRANSCO 36" PORTABLE BELT FEEDER, SKID MOUNT	1223370	2021	N/A	\$115,000
SPOMAC 45YD	SPOMAC TWIN DRIVE LOAD OUT BUNKER	S1571534	2022	N/A	POR

Forestry Equipment

Manufacturer/Model	Description	Serial No.	Year	Hours	Price
DEERE 2954D	10000 LOGMAX	1FF2954DVE0290211	2014	9,216	\$250,000
TIMBERPRO TL775D	SHOVEL LOGGER TC60 GRAPPLE	TL775D0771081220	2020	1,181	POR
KOMATSU XT460L-3	BUNCHER	A5138	2017	7,950	\$220,000
KOMATSU PC290LC-11W	WINCH ASSIST MACHINE	A27024	2016	5,575	\$650,000

Miscellaneous

Manufacturer/Model	Description	Serial No.	Year	Hours	Price
ATLAS COPCO ROC T45-10	ATLAS COPCO DRILL, 3.5"- 5" HOLE SIZE	G18SED0141	2018	2,748	\$448,000
CARLSON CP100II	PAVER DELUXE PACKAGE, 2 MAN	659CC1S	2021	829	POR
ROSCOE RB50	BROOM, AC	308656	2021	690	POR
AUSTIN AE12	12,000 GALLON AUSTIN WATER TOWER	12WKT00898	2023	N/A	POR

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