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Bieber Services LLC

Indiana-based family business evolves from cutting grass to mass excavating and beyond



Buffalo Valley Resources LLC

Mining operation takes limestone from mountain to market





David Coultas

A message from Brandeis Machinery & Supply Company



Dear Valued Customer:

I hope your year is going well. As you move further into the busy construction season, it can be easy to focus on production and lose sight of maintaining your machines. Don't let that happen.

Your newer Komatsu machines are covered for scheduled services for 2,000 hours or three years with Komatsu Care. Our skilled technicians will perform the services on-site, at your convenience. We can also service your older machines and nearly all of your non-Komatsu products. Reach out to your local service department, product support representative, territory manager or branch to learn more about the service plans that we offer and to schedule a service.

One way you can ensure you are keeping up with scheduled services is by utilizing your My Komatsu account. Komatsu's digital hub lets you monitor your entire fleet — even non-Komatsu machinery that is registered in My Komatsu — from the convenience of your office, home or other locations. Read more about this efficient fleet management system inside this issue. If you don't have a My Komatsu account, contact us for information about setting one up.

This issue also highlights the many industries that Komatsu serves. Check out the valuable articles on equipment for forestry, demolition and construction. Do you need to log on steep and soft ground? The 951XC is a good choice. Do you want to efficiently do more high-reach demolition? The PC490HRD-11 with a K100 boom change system lets you do boom changes quickly from the cab and reach up to 105 feet. Do you want a productive fleet of construction machinery? Komatsu showcased several great machines during its recent Demo Days event, including the highly efficient HB365LC-3 hybrid excavator.

If you're looking for parts, consider Komatsu Reman. Its parts and components deliver like-new performance with a great warranty, provide significant cost savings and contribute to sustainability. That's a win-win-win.

As always, if there is anything we can do for you, please feel free to contact one of our branch locations covering Kentucky, Indiana and West Virginia.

Sincerely,
Brandeis Machinery & Supply Company



David Coultas,
President

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Buffalo Valley Resources LLC mining operation takes limestone from mountain to market



Mike Kitchen,
Co-owner

In the Appalachian Mountains, Buffalo Valley Resources LLC transformed an unused tract of land into a vital limestone quarry. Founded five years ago, the quarry supplies materials to Kentucky, Ohio and West Virginia, and it carries a rich narrative of strategic growth.

"We began our current operations in 2019, although my journey with limestone quarries started back in 2010 with another facility," recalled Mike Kitchen, one of the company's owners. "I was able to grow that operation quickly and sold the facility in 2013. I continued to monitor different tracts of land and, after partnering with a couple other individuals, we seized the opportunity to mine a 130-foot limestone formation at our current location on the border of Kentucky and West Virginia."

The quarry is efficiently designed to minimize physical inputs and maximize productivity.

"We operate from the base level, removing the overburden and then drilling into a 30-foot seam of limestone," explained Kitchen. "We use precise blasting techniques to ensure we're only extracting what we need, leaving an 8-foot seam of shale undisturbed above a 100-foot high-quality limestone seam."

Kitchen proudly commented on the high standards of the quarry's products, stating, "Our limestone is top quality and has passed every test it's been subjected to. It's state-approved, and we're even certified to produce agricultural lime. This approval reflects the exceptional quality we maintain throughout the mining process."

Buffalo Valley Resources not only operates with precision but also with a commitment to serving a diverse client base.

"We supply limestone to everyone from large contractors to private individuals across all three states," said Kitchen.

Improved productivity with Komatsu

Buffalo Valley Resources has recently upgraded several pieces of equipment to enhance its limestone extraction, boosting both productivity and efficiency. Most recently, the firm added a Komatsu PC900LC excavator to its operation.

"We introduced the PC900LC to increase our loading speed dramatically; we can load a 50-ton rock truck in just 45 seconds," declared Kitchen. "The added efficiency has drastically improved our turnaround times from the pit to

Buffalo Valley Resources is a limestone mining operation based in Grayson, Kentucky.





► VIDEO

Buffalo Valley Resources relies on various machines to keep its operation running smoothly, especially its Komatsu PC900LC excavator.

the dump hopper, allowing us to process up to 900 tons per hour through our crusher.”

Buffalo Valley Resources is also using several Komatsu WA500 wheel loaders, which are pivotal in managing the heavy demand from the quarry.

“We initially purchased three used WA500 loaders and were so impressed by their performance and the positive feedback from our operators that we ordered two more,” revealed Kitchen.

The functionality of the Komatsu WA500 wheel loaders is crucial to the quarry’s success.

“Our WA500 loaders are essential for managing our large customer base efficiently,” Kitchen stated. “Operators receive real-time requests via radio, quickly load the required amount of material, and facilitate its transport across the scales to its final destination.”

Emphasizing the practical benefits, Kitchen added, “The WA500s are perfectly sized for our needs. They’re comfortable for operators, and their efficiency allows us to service more trucks daily, reducing wear and tear on the equipment.”

The Komatsu wheel loaders and excavator have helped increase the quarry’s

production, underscoring the importance of quality equipment.

“Adding the PC900 and upgrading to the WA500s have both gone really well,” emphasized Kitchen. “I doubled my projection on production from where it was initially thanks to the quality of the machines and the demand for our product. They’ve been great assets for us.”

In addition to the Komatsu equipment, Buffalo Valley Resources recently acquired an Epiroc FlexiROC D65 surface drill rig.

“We use our Epiroc drill to drill precise blast holes before we shoot,” explained Kitchen. “That allows us to get the blast in the right location, so we can access and mine the limestone.”

Consistent service

Buffalo Valley Resources’ success is significantly bolstered by its partnership with Brandeis Machinery & Supply Company, which has not only helped increase its production with high-quality equipment but has also helped increase uptime through consistent service and support from its experienced technicians. This relationship is pivotal as Brandeis Machinery supports Buffalo Valley Resources’ expanding operations.



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Continued...

'I'm very pleased with Brandeis Machinery's service'

... continued

Kitchen explained the initial choice of Brandeis Machinery over other brands, highlighting the personal connection that influenced his decision.

"We considered different equipment providers, but our relationship with our Brandeis sales rep, Jeremy Murry, really tipped the scales," stated Kitchen. "We've bought several used pieces of equipment from him before, and honestly, those deals are probably the best we've ever had in terms of price and support. Jeremy goes above and beyond to ensure we have everything we need for our operations."

The quality of service and support from Brandeis Machinery has been a cornerstone of

this productive relationship, and Kitchen greatly appreciates the comprehensive care Buffalo Valley Resources receives.

"I'm very pleased with Brandeis Machinery's service and parts department," commented Kitchen. "From regular maintenance to urgent parts supply, they handle everything swiftly. Their support was crucial when we brought in the new Komatsu PC900, which has been a game-changer for us."

Kitchen also praised the reliability of Brandeis Machinery's support system, stating, "It's not just about selling us equipment. Brandeis Machinery ensures we're never left waiting when we need parts or service. Even our Epiroc drill, which is vital for our operations, is serviced by them. Their responsiveness and thoroughness have really impressed me."

This relationship extends beyond transactions, as it is deeply integrated into the daily operations at Buffalo Valley Resources. The dependable support from Brandeis Machinery enables the quarry to maintain peak operational efficiency and adapt quickly to market demands. ■

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



To access the limestone seam, Buffalo Valley Resources uses its Epiroc FlexiROC D65 surface drill rig to drill precise blast holes before shooting the material.

An operator uses a Komatsu WA500 wheel loader to load a truck with limestone.



Brandeis Machinery sales representative Jeremy Murry (left) works closely with Buffalo Valley Resources co-owner Mike Kitchen to find the right equipment for his mining operation.



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Indiana-based family business Bieber Services LLC evolves from cutting grass to mass excavating and beyond



Jacob Bieber,
Project Estimator

What originated as a lawn care business has transformed into a leading mass excavation company in Boonville, Indiana. Under the leadership of multiple Bieber generations, Bieber Services LLC has evolved into a company capable of tackling a range of projects.

Jacob Bieber, a project estimator and a second-generation member of the business, reminisced about the company's early days.

"It started with my dad, Brady, mowing lawns 32 years ago and quickly escalated to more serious dirt work," recalled Bieber. "We took a break when I was younger, and after some time working for other companies, we kick-started the business again in April 2018."

As a woman-owned business, Bieber Services challenges industry norms.

"The company is owned by my mom, Debbie, who has been heavily involved with our operations since day one," Bieber proudly explained. "Although my dad has slowed down, he's still involved. He's emphasized that it's our time now to grow the business and shape where the business goes."

Bieber Services is known for its wide range of projects, from simple lot grading to comprehensive site developments.

"We're pretty diversified, handling everything from basic grading, digging basements and footers to extensive site development involving clearing, building ponds and erosion control," Bieber outlined. "Each project can be as small as a few acres to over a hundred, depending on what's needed. Our average would probably be 70 to 120 acres."

Most of the company's projects are in the private sector, which suits its business model.

"Private sector work better aligns with our scheduling and budgeting strategies," Bieber elaborated. "The flexibility and control over projects make it ideal for our operations."

The company's reach extends to neighboring states such as Kentucky and Illinois, but its roots and operations remain firmly planted in Boonville.

Bieber affirmed, "We've always been based here in Boonville, and while we do take jobs up to an hour and a half away, this is our home. We have deep ties to this community, and maintaining our base here is important to us."

An operator pushes material into a pile with a Komatsu D39PXi-24 Intelligent Machine Control (IMC) 2.0 dozer.

► VIDEO





With a Komatsu D39PXi-24 Intelligent Machine Control (IMC) 2.0 dozer, an operator moves material without going below grade.

With a flexible staff that adjusts according to demand, Bieber Services maintains a robust operation.

"Our team size varies; we keep it around 10 to 15, but depending on the workload, it can go up to 20 or more," stated Bieber. "This flexibility helps us manage resources efficiently and meet project demands effectively."

IMC impact

Bieber Services' adaptability and resource management enable it to undertake ambitious developments, such as preparing a site for residential construction in Chandler, Indiana.

"Right now, we are clearing and burning 12 to 15 acres in Chandler to get it ready for a new house," Bieber explained. "We're also putting in a big lake down in the valley and a big water feature. All this preparation is to ensure construction can start swinging hammers in just two weeks."

Another recent project in Chandler exemplifies Bieber Services' capability to handle rapid turnarounds.

"We jumped from one project to another with just four days to spare," Bieber recalled. "In that time, we moved 15,000 to 16,000 yards of dirt, built 600 feet of road, sorted out all the drainage,

and prepared all the house lots, all while clearing a few acres of trees."

The use of advanced technology, specifically Komatsu D39PXi-24 Intelligent Machine Control (IMC) 2.0 dozers, was crucial to the company's success.

"You simply couldn't complete a job like we did in Chandler without an IMC machine," emphasized Bieber. "It allows you to cut everything to grade and work incredibly fast — there's just no way we could have achieved that without this technology. Normally, it would have been a two- to three-week project, and we were able to do it in four days."

According to Bieber, IMC technology has completely changed his approach to jobs.

"In the past, commercial projects with lots of elevation changes required lots of manual grade staking," he said. "Now, we can do these jobs with less equipment and fewer people, drastically cutting overhead and time."

Bieber continued, "IMC technology has really set a new standard for us. It's remade our company. Buying that IMC dozer changed a lot for us, making our operations less stressful, especially with the unpredictable weather we face in our territory."

In addition to the Komatsu dozers, Bieber Services utilizes Takeuchi TL12R2 compact track loaders.



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Continued...

'Brandeis Machinery has great customer service'

... continued

Support from Brandeis Machinery

Leveraging the advanced Komatsu technology has not only enhanced the operational efficiency of Bieber Services but has also solidified a crucial partnership with its distributor, Brandeis Machinery & Supply Company. This relationship is pivotal, providing both technological and customer support, which has become a cornerstone of Bieber Services' success in the excavation industry.

"Brandeis Machinery has great customer service," shared Bieber. "They've even blown my mind by having a technician on-site within two hours of a call, which is rarely needed because the equipment is so reliable. It's comforting to know that such support is just a call away."



Bieber Services Project Estimator Jacob Bieber (left) works closely with Brandeis Machinery sales representative Matt Bueltel (right) for his equipment needs.

An operator uses a Komatsu D39PXi-24 Intelligent Machine Control (IMC) 2.0 dozer to cut to grade.



Bieber Services also utilizes Komatsu's complimentary service program, Komatsu Care, which simplifies the maintenance of Komatsu equipment by providing factory-scheduled maintenance for the first three years or 2,000 hours.

"With Komatsu Care, we don't have to worry about regular servicing like oil changes or fuel filters; Komatsu handles it all," explained Bieber. "This allows us to focus more on our projects and less on maintenance."

Additionally, Bieber has developed a personal bond with his Brandeis Machinery sales representative, Matt Bueltel, which has greatly benefited their professional dealings.

"Matt has been phenomenal," commented Bieber. "He has always been responsive to our needs. If there's an issue or a specific requirement, he's on top of it. Matt and I have a great relationship, and I call him one of my personal friends."

This strong distributor relationship not only enhances Bieber Services' operational capabilities but also eases the complexities associated with managing a fleet of equipment. This partnership ensures that Bieber Services can continue to focus on what it does best — moving dirt.

Ambitious expansion

Building on its strong partnership with Brandeis Machinery and the ongoing advancements in IMC technology, Bieber Services is poised for ambitious expansion in the coming years.

"Looking ahead, we plan to intensify our focus on development projects, both commercial and residential," noted Bieber. "We've already started increasing our capabilities in this area, but the scale and complexity of future projects will grow significantly. Our goal is to integrate more of our own commercial and residential developments into the mix."

This vision for growth is supported by an increased investment in innovative technologies, particularly in IMC machines. Bieber Services aims to expand its inventory of equipment, enhancing its capacity to handle larger and more challenging projects efficiently. With these plans, the company is not just preparing for future growth but actively shaping the future of development in its region. ■

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Speak up and stay safe — your question could save a life



Ronnie Freeman

About the Author:
Ronnie Freeman is the safety director for Mount Pleasant (South Carolina) Waterworks and Safety Committee chair for the Water Environmental Association of South Carolina.

I'm sure you've heard the phrase, "There is no such thing as a stupid question, except the one that didn't get asked."

Some people have trouble raising their hand and asking the question that's important to them. Perhaps it's the possible embarrassment of being the only one who doesn't know the answer, or it could be that you missed an important point during a discussion and are afraid of looking like you weren't paying attention. Sometimes other employees may show some frustrations when you ask questions and that can also discourage you from asking. Whatever the reason, we can sometimes talk ourselves out of asking a very important question that could very well be important to our safety.

In our industry many employees face different kinds of hazards on a daily basis — risks such as entering a confined space, operating heavy equipment, digging and working in trenches, handling chemicals, and fall hazards. Part of mitigating those hazards is preplanning and implementing safeguards to protect us from those hazards. Sometimes though, things change, conditions around us change, a new piece of equipment is brought on-site. If employees are afraid to ask questions, they could be putting themselves at risk of injury or even death. When it comes to safety, it's critical that you ask questions

like what could go wrong, how can you prevent it from happening, how do you protect yourself, and what do you do if something does go wrong. By being willing to ask these and other important questions you might be helping your coworkers who may have similar questions.

Also, asking the right questions begins with the willingness to admit you aren't trained in working certain types of equipment or projects. Sometimes our ego can get in the way of asking questions as we don't want to be considered the weak link on a work crew. So, we just begin working, putting ourselves at risk. Don't let this be you. Ask the questions you need to ask.

Don't let complacency creep in

Complacency can creep in when we do the same work tasks over and over again. Workers with experience can easily become complacent and not even recognize the hazards, or they feel like there is less risk because they've seen it before. These employees are less likely to ask the questions that can get hazards addressed. If the work environment discourages questions, that just adds to the hazard.

Also, an employee's lack of knowledge can be a danger too as they might not recognize the hazards that are present. This can come from a lack of training or the employee being too new to the task at hand. They probably will not ask the necessary questions because they simply don't know what to ask.

Don't let the responsibility of knowing all the answers fall to them. Encouraging questions can help employees stay safe on the job. The willingness to ask the necessary questions about tasks, risks, hazards and worst-case scenarios helps maintain a good safety culture while on the job.

If you are a supervisor, encourage questions. This is just one simple step, but it can make a difference in improving the overall safety culture at your workplace. ■

Editor's Note: This article originally appeared as an online exclusive on DigDifferent.com (https://www.digdifferent.com/online_exclusives/2024/01/speak-up-and-stay-safe-your-question-could-save-a-life) and has been reused with its and the author's permission.

Encouraging questions can help employees stay safe on the job. The willingness to ask the necessary questions about tasks, risks, hazards and worst-case scenarios helps maintain a good safety culture.





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Tommy Hergenreder,
North American
Manager,
Digital Product,
Komatsu



Andrew Casey,
Digital Solutions
Analyst,
Komatsu

Do you want an easy way to track telematics data from your mixed fleet? My Komatsu, Komatsu's comprehensive digital hub, gives you an efficient way to monitor all of your assets in one complimentary fleet management tool that gives users machine-specific views for utilization and health and production information without the need for multiple user IDs and passwords.

With ISO 15143-3 API integration, My Komatsu can pull data from Komtrax and ISO API 15143-3 (AEMP 2.0) information from other original equipment manufacturers (OEMs), using the ISO feed to import numerous key data points defined by the Association of Equipment Management Professionals. You can quickly view and manage information on one dashboard, receive alerts and order parts, troubleshoot to help minimize downtime, monitor machine location, benchmark performance, track fuel consumption, and manage fuel efficiency.

"It's a huge benefit in time and cost savings that you can monitor an entire fleet on a single platform, regardless of OEM," said Tommy Hergenreder, North American Manager, Digital Product, Komatsu. "Another is that Komatsu

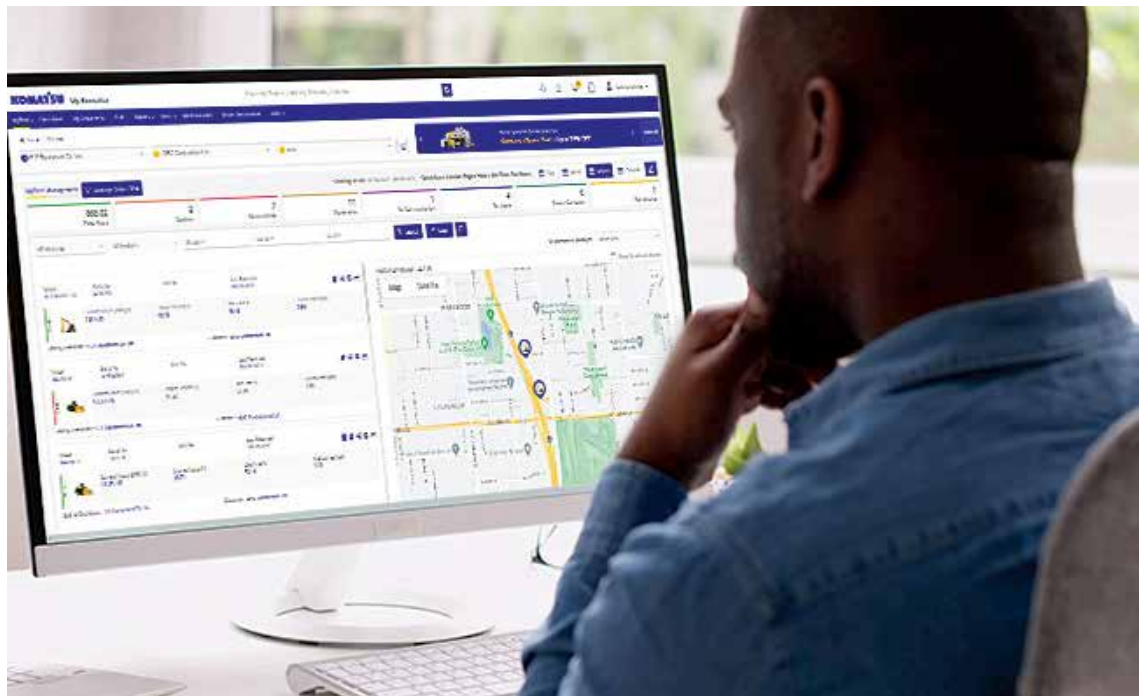
doesn't charge for connecting other APIs, which some OEMs do. Currently, there is a long list of other manufacturers that you can get API credentials for, and it's growing all the time."

The first step to adding non-Komatsu machines is obtaining API credentials from your OEM representative. Once you have those, log into your My Komatsu account and follow these steps:

- Click on the My Fleet page
- Navigate to the Other OEM Configuration screen and click the +Add OEM Configuration button
- Enter your credential information
- Test the connection
- Save your API (a green confirmation text box will indicate that you saved successfully)

"One API credential from the OEM covers all of the manufacturers' machines that you may have and want to input into your My Fleet page on My Komatsu," said Andrew Casey, Digital Solutions Analyst, Komatsu. "This is a very cost-effective, convenient solution to managing a mixed fleet without any additional cost to implement My Komatsu." ■

My Komatsu lets you access telematics data from non-Komatsu OEMs with an ISO 15143-3 API integration. You can import numerous key data points and quickly view and manage your mixed fleet on one dashboard.





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Customers learn how Komatsu products can help improve efficiencies, performance during Demo Days



Andrew Earing,
Director of Operator
and Technical
Training,
Komatsu



Eli McDonald,
Equipment Coordinator,
Reece Albert Inc. and
CSA Materials Inc.



Dan Earley,
Co-owner,
LEI

Learning about what equipment can do provides valuable insights into how it can help your operations. The ability to experience a machine for yourself from the operator's seat takes it to another level. Komatsu gave attendees opportunities to do both during its recent Demo Days event at its Cartersville Customer Center in Georgia.

More than 30 products were available for customers to see up close and operate, ranging from compact excavators to large construction, demolition, forestry and mining machines. Representatives from Komatsu and Komatsu affiliates Montabert, Lehnhoff and Hensley Industries provided insight on how to effectively implement the equipment and attachments into attendees' operations.

Komatsu Smart Construction and Smart Quarry representatives had display areas set up to provide information on solutions available for job site management such as Smart Construction Remote, Office, Field and Drone, as well as Smart Quarry Site and Smart Quarry Study. My Komatsu representatives provided information about Komatsu's central hub for fleet management.

"What we're hoping our customers take away is our dedication to them and their business," said Andrew Earing, Director of Operator and Technical Training at Komatsu's Cartersville Customer Center. "We have more than 100 Komatsu employees here, ranging from service engineers to product management, to answer questions and listen to customers in an effort to learn more about their needs and how Komatsu can help them improve their job site efficiencies."

Mix of equipment

Each day began with informative presentations about equipment, Smart Construction solutions

and Smart Quarry solutions that Komatsu offers to increase productivity, efficiency and sustainability. Hands-on operation followed, letting customers operate a mix of standard and Intelligent Machine Control (IMC) equipment in working environments on the 38-acre site.

"It's neat to see all the yellow iron together, from motor graders to dozers to excavators, loaders and the intelligent machines," said Eli McDonald, Equipment Coordinator for Reece Albert Inc. and CSA Materials Inc. in San Angelo, Texas. "It's rare to see this many assets in one spot. I hope to take away the knowledge to go back and reassess our fleet and improve our operations."

IMC 2.0 dozers ranging from the D39EXi-24 to the D71PXi-24 and IMC 2.0 excavators ranging from the PC210LCi-11 to the PC490LCi-11 — all of which are equipped with factory-integrated GPS machine control — were highly popular during the event. Customers could also operate a PC138USLC-11 with 3D Machine Guidance, a Smart Construction solution that brings 3D to most conventional excavators and gives operators in the field and managers in the office access to 3D design and topography data that helps drive accuracy.

"Our big excavators are 90% Komatsu, including IMC machines, and we also have IMC dozers," said Dan Earley, a co-owner of LEI in Rapid City, S.D., noting that his company also uses Komatsu's Smart Construction Office and Dashboard. "It makes my operators way more efficient. There's so much data in there we can collect and see where production is on a daily basis. Now, with Office and Dashboard, we can see in real time what was done that day. Did we get enough moved? The information is invaluable. I appreciate coming down here and getting to run what we want. I hope to keep coming back. This is a great event."

Hybrid highlight

Komatsu also featured its HB365LC-3 hybrid excavator that delivers eco-conscious performance as energy is captured during swing and stored in the ultracapacitor. When swinging, all available hydraulic power is sent to the boom, arm and bucket for improved cycle time, reduced fuel consumption and increased production.

(L-R) At Demo Days, Brandeis Machinery & Supply Company's Matthew Morris and Jacob Hopper meet up with Valenti-Held Contractor/Developer staff members Barry Williams, Joe Roe, Derek Morris and Ed Roe.





► VIDEO

Customers test out various machines during Demo Days at Komatsu's 38-acre demonstration site in Cartersville, Ga.

"It seemed like it was stronger on the swing and something that I think we would really like in our company," said Troy Henderson, a part owner of KTA Construction in San Diego. "Being in California with the emissions that we have to deal with, the hybrid is a great choice to improve our fleet and reduce emissions."

Harry Olsen, the chief operating officer and a co-owner of Hugo Tree, a company that does land clearing, sitework and demolition in Hugo, Minn., commented, "With the hybrid specifically, I really like that the fuel consumption has dropped down. I think one of the things Komatsu's always done really well is made a very efficient, smooth machine, and I think the hybrid is the next evolution. We do a lot of stacking and material handling, so being able to have that very finite swing is nice. It's efficient."

Learning opportunity

Additionally, there were demonstrations of Komatsu's new PC490HRD-11 high-reach demolition excavator equipped with a K100 boom change system that allows for hands-free boom changes from the cab of the machine, as well as a soon-to-be-available Komatsu PC360LC-11 straight boom demolition machine. Attendees could also check out demonstrations of Komatsu's Smart Construction Drone and Komatsu's RF-5 reclaim feeder.

"One of things we are proud of here is we let customers get in the equipment, touch the quality, feel the performance and get the full experience of our product, but Demo Days is about more than that," stated Earing. "It's an opportunity for both us and our customers to learn more about each other. It's a great platform and venue to connect with our customers and truly understand their needs." ■



James Jones Excavating's Nathan Jones (left) enjoys Demo Days with Brandeis Machinery's Jason Douglas.



Brandeis Machinery's Jeremy Scott (left) and Ainsworth Land Development's Blake Ainsworth explore Demo Days.



(L-R) Brandeis Machinery's Mac Morris and Morphey Construction's Steve Milbourne and Dave Morgan check out the equipment on display.



Troy Henderson,
Part Owner,
KTA Construction



Harry Olsen,
COO/Co-owner,
Hugo Tree



Watch the video

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



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PC490HRD-11 demolition excavator helps increase efficiency with fast boom change system, reach of up to 105 feet

From hammering to processing to loading, demolition often involves quickly changing tasks. With easy attachment switches and the ability to work at heights of up to 105 feet, Komatsu's new PC490HRD-11 high-reach demolition excavator helps achieve greater efficiency, according to Matt Buerstetta, North American Product Manager for Demolition Machines, Komatsu.

"The PC490HRD-11 is a highly versatile machine that's easily reconfigurable for changing work demands and can run a wide variety of attachments, including grapples, hammers, processors and buckets," said Buerstetta. "One of the biggest advantages is our K100 boom change system that lets operators quickly switch out booms. What would normally have taken up to a day in the past can now be done in a mere fraction of the time."

The in-house K100 boom change system uses oversized quick connectors for the hydraulic lines that minimize back pressure and oil heating without restricting oil flow. The system also features hydraulically powered pins mounted inside the main boom structure to help reduce the risk of damage to the equipment during reconfiguration. With the K100 system, operators can easily reconfigure the machine from the cab, improving safety, productivity and efficiency.

Expandable undercarriage

The PC490HRD-11 has a base weight of 128,199 pounds and a weight of 161,500 pounds with the extended high-reach boom. At full extension,

it can handle a maximum attachment weight of 5,512 pounds. A 360-degree Working Range Indicator system with side stability provides a pre-alert function.

A hydraulically expandable undercarriage enables the tracks to be narrowed for transportation and expanded for working. The tilting demolition cab can be tilted up to 45 degrees and allows the operator to use joysticks to position the cab for an optimal view.

Full demolition guarding helps protect components and keep the PC490HRD-11 running in harsh conditions. It has guards on the revolving frame and undercover, as well as level two window guards for the front and top glass. A dust protection system minimizes dust and debris in the engine and cab.

"The PC490HRD-11 has a heavier counterweight, coming in at about 18 tons, which is bigger than our standard PC490 excavator," said Buerstetta. "It has been a proven winner in Europe for several years already. We're excited to bring it to the North American market, and we encourage anyone who has large demolition work and wants a versatile machine that will handle a wide variety of tasks to contact their local distributor." ■



Matt Buerstetta,
North American
Product Manager for
Demolition Machines,
Komatsu



Watch the video

Quick Specs

Model
PC490HRD-11

Horsepower
362 hp

Operating Weight
128,199-161,500 lbs.

Maximum Reach
105 ft.

Komatsu's PC490HRD-11 is a proven demolition machine that can quickly and easily be reconfigured with the K100 boom change system to tackle a wide variety of projects and applications. It offers six working arrangements, with a boom extension for higher reach or extended digging.

▶ VIDEO



Montabert, Lehnhoff showcase easy switches with quick coupler, attachments during annual demolition show



Simon Maurath,
Sales Representative,
Lehnhoff



Michelle Wilson,
Sales Engineer,
Montabert



Watch the video

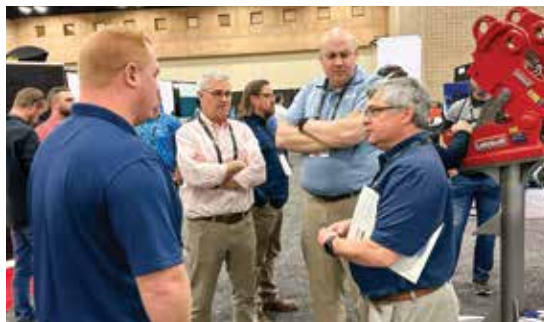
Lehnhoff, Montabert and
Komatsu personnel speak
with attendees at the
annual National Demolition
Association show.

At the annual National Demolition Association (NDA) show, attendees could test out Lehnhoff and Montabert products during the event's live demonstration, as well as talk to their manufacturing representatives. Both Lehnhoff and Montabert are Komatsu-owned companies.

Lehnhoff's new SQ80V fully automatic symmetric quick coupler was popular at the show. It connects an attachment to an



The Lehnhoff SQ80V fully automatic symmetric quick coupler connects an attachment to an excavator in the same way as a hydraulic line — without the need to disconnect and reconnect a hose.



excavator in the same way as a hydraulic line — without the need to disconnect and reconnect a hose. Operators can make the connection from the cab of an 8-ton to a 70-ton machine.

"Time savings and increased productivity are big advantages with the SQ80V," stated Simon Maurath, a sales representative for Lehnhoff. "It's a matter of seconds compared to minutes or hours because there are no hoses or pins to connect. It is a great match for a demolition machine that comes plumbed for a coupler. With the proper kit, it can also be added to a standard excavator to increase its versatility."

Lehnhoff also displayed an HTL35 HD-1500 heavy-duty backhoe bucket, which features a double-conical design to enhance digging performance for efficient loading and dumping tasks.

All-makes products

During the event, the SQ80V was mounted on a Komatsu PC360LC-11 excavator with a straight boom, so attendees were able to quickly switch out and test the various Montabert attachments that were on-site, including a V46 hydraulic breaker with automatic variable speed technology that senses changes in material hardness and adjusts the impact energy and the striking rate; an HCP 1000-R pulverizer with a heavy-duty steel body designed to enhance durability; an HCM 750-C multiprocessor with interlocking jaws that break and crush material rather than compress it; and an HCG 32-1200 grapple with 360-degree continuous rotation for enhanced positioning.

"One of the highlights of the Lehnhoff and Montabert products is that they are suited for all types of machines and all brands," commented Montabert Sales Engineer Michelle Wilson.

In addition to the attachments that were available for attendees to operate, Montabert displayed its HCM-C 700 multiprocessor with 360-degree rotation and an HCG 23-700 demolition and sorting grapple.

"We want attendees of the demolition show to see what Montabert and Lehnhoff can offer to help their teams work more efficiently," said Wilson. "We're a small part of the Komatsu family, which offers us phenomenal resources to research and develop cutting-edge tools." ■

An attendee operates a Komatsu PC360LC-11 excavator with a straight boom that is equipped with a Lehnhoff SQ80V fully automatic symmetric quick coupler and a Montabert HCP 1000-R pulverizer.

► VIDEO



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Komatsu and Williams Racing reignite historic partnership with multiyear deal

Komatsu is back in the racing game after signing a multiyear deal with Williams Racing to become the British team's principal partner for the start of the 2024 FIA Formula One World Championship (F1) season. Komatsu's logo and branding will feature prominently on the 2024 Williams Racing livery, as well as the team's overalls and kit, during the F1 season.

Komatsu was a key F1 partner of Williams Racing during the 1980s and 1990s, a period of abundant success for the team. The most notable achievements were in 1996 and 1997, when Komatsu supported Williams Racing to Constructors' and Drivers' Championships with Damon Hill and Jacques Villeneuve, respectively. With an eye to the future, both brands are excited to build on their shared history as they embark on a new era.

Komatsu's official designations with Williams Racing reflect the companies' shared focus on the long-term development of engineering, technology and new generations of talent: Official STEM and Early Careers Partner, Official Esports Partner, and Official Construction Machinery Partner. These areas will overlap and combine within the partnership, as Komatsu endeavors to engage and bring focus to the next generation of innovators through STEM events enriched by the Williams Racing esports platform.

"Komatsu and Williams Racing have shared values around innovation and the development

of our people," said Hiroyuki Ogawa, President and CEO of Komatsu Ltd. "Through our partnership, we look forward to creating value together, both on and off the track. Our partnership with Williams Racing is aligned with Komatsu's mission to create value through manufacturing and technology innovations to empower a sustainable future where people, businesses and our planet can thrive together."

Foundation for cross collaboration

One of the driving forces behind the partnership was the alignment of vision that the two brands share. The characteristics embedded in Komatsu's DNA and values, such as cutting-edge technology, outstanding quality and unwavering reliability, are all demonstrated by Williams Racing at the highest level of motorsports. This new partnership creates a foundation for cross collaboration between the companies into the future.

"Williams Racing is delighted to be rekindling our relationship with Komatsu," said James Vowles, Team Principal of Williams Racing. "We have enjoyed huge success together in the past and reuniting is a significant step in Williams Racing's long-term mission to return to the front of the grid. Both Williams Racing and Komatsu are committed to attracting and developing the best young talent in pursuit of our goals, and we look forward to working together again." ■

Komatsu's logo and branding will feature prominently on the 2024 Williams Racing livery, as well as the team's overalls and kit, during the Formula One season.



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Komatsu expands fleet management offerings with acquisition of technology company iVolve

To increase its fleet management offerings for customers, Komatsu acquired iVolve Holdings Pty Ltd., an Australian-based technology company that provides fleet management solutions for small to mid-tier quarry, mining and construction operations.

The acquisition bolsters Komatsu's existing suite of fleet management technology offerings, which include Smart Construction for construction, Modular for mining, and Smart Quarry for aggregate applications. Komatsu previously partnered with iVolve on Komatsu's Smart Quarry Site.

"The team at iVolve have been great collaborators, and this acquisition offers exciting potential to further our global work together," said Mike Gidaspow, Vice President, Products, Service & Solutions for Komatsu North America. "For quarry customers in particular, we believe iVolve's offerings and experience will be a great addition to Komatsu's suite of technology."

Improve safety, productivity

Komatsu plans to globally deploy iVolve's fleet management system to further contribute to improving safety and productivity at customers' workplaces. So far, iVolve has achieved optimal operation management at customer sites in Australia and North America.

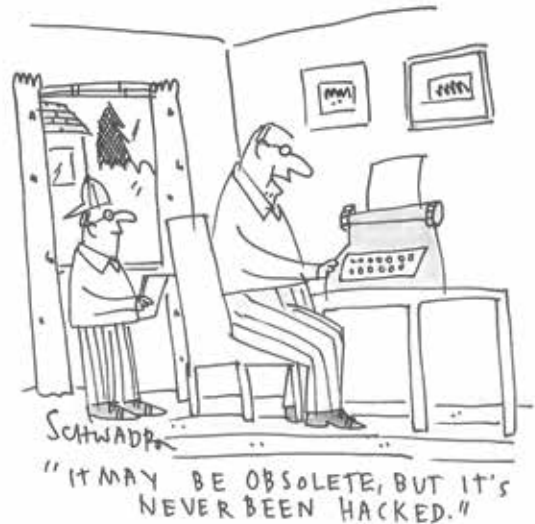
"We have enjoyed a long working relationship with Komatsu and believe this agreement aligns with our goals and vision, and importantly, the resources of Komatsu will help us achieve our growth goals," said Kim Parascos, CEO and co-founder of iVolve. "As a Komatsu brand, we aim to widen our market presence, elevate our product line, and preserve flexibility for our customers. Our existing customers will also benefit from this new alignment, as we leverage the expertise, commitment and reach of Komatsu to improve our offering."

While furthering development of its products and solutions, iVolve will continue to provide its services as an independent group company. ■

Komatsu's acquisition of iVolve, a technology company that provides fleet management solutions, expands Komatsu's existing suite of offerings such as Smart Construction and Smart Quarry. Komatsu plans to globally deploy iVolve's fleet management system to further contribute to improving safety and productivity.



On the light side



Did you know?

There are about 2,000 firefly species, and each one has its own unique flashing pattern.

Dr. Pepper was created in 1885 by pharmacist Charles Alderton in Waco, Texas.

Hearst Castle in San Simeon, California, was designed by female architect Julia Morgan.

The building One Times Square was built in 1904 as the headquarters for the New York Times.

M&M'S Plain Chocolate Candies were introduced in 1941.

Mark Twain was the first author to use a typewriter to write a manuscript.

Ostriches are the largest bird.

2024 marks 25 years of the Pokémon Trading Card Game in the United States.

Claude Monet painted nearly 300 paintings of water lilies from the late 1890s until his death in 1926.

Brain Teasers

Unscramble the letters to reveal some common construction-related words. Answers can be found in the online edition of the magazine at www.BrandeisSolutions.com

1. ILOS _____
2. RAEA _____
3. LUDIB _____
4. FLTI _____
5. VPC _____



See the answers

Survey of homeowners shows large number of respondents don't plan to contact 811 before starting an excavation project

A Common Ground Alliance (CGA) survey found millions of homeowners planning do-it-yourself digging projects will not contact 811, putting themselves and their communities at risk of utility service disruptions, costly fines and repairs, and even serious injury or death. 811 is the national call-before-you-dig phone number anyone can use to request that the approximate location of buried utilities be marked with paint or flags.

"Spring weather brings more digging projects, for homeowners and professionals alike," said CGA President and CEO Sarah K. Magruder Lyle. "To keep our communities connected to water, electricity, gas and communications lines, everyone needs to contact 811 a few days before beginning an excavation project — whether it's gardening or major construction. Utility lines can be buried just inches below the surface. Everyone must contact 811 before every digging project."

Censuswide, a global insight-driven research center, conducted the online survey of among 1,000 U.S. homeowners aged 21 and over, on behalf of CGA. Respondents cited the belief that "shallow" digging does not require contacting 811 and unfamiliarity with the 811 notification process as top reasons they do not plan to get utilities marked before breaking ground on DIY digging projects.

Overwhelmingly, however, homeowners value contractors calling 811 or submitting an online request to have the underground utilities on their property marked, with 95% citing this step as important. Nearly half (45%) of homeowners reported being affected by utility service interruption of three hours or longer over the past year, with the highest rate of interruptions occurring in the South.

Call or click

Everyone who contacts 811 a few days before digging is connected to a local 811 call center that collects the information and communicates it to local utility companies. Professional locators will then visit the dig site to mark it. Once a site has been accurately marked, it is safe to begin digging around the marked area. You can also contact 811 through its website: www.811beforeyoudig.com.

"With more than \$1 trillion in new infrastructure breaking ground across America, contacting 811 before digging has never been more important," said Tristan Brown, Deputy Administrator of the Pipeline and Hazardous Materials Safety Administration in the U.S. Department of Transportation. "Before starting excavation work, homeowners, contractors and landscaping professionals should always remember to contact 811 — every dig, every time." ■



Before putting a shovel or bucket in the ground, it's important to call 811 to have utilities located. This one simple action can prevent the risk of serious injury or worse.

Remanufactured parts and components could help decrease your machinery's total cost of ownership, promote profitability

Do you want to save money without sacrificing quality and reduce your carbon footprint at the same time? Using remanufactured parts and components could be the answer.

"Fewer raw materials are used in remanufacturing than new parts manufacturing," said Matt Beinlich, Senior Director, Remanufacturing Business, Komatsu. "According to a paper from the Rochester Institute of Technology titled 'Capturing Energy and

Resources through Remanufacturing,' the rule of thumb is that 80% of the mass of a component is reused through the remanufacturing process, reducing the need to extract new materials from the earth. Remanufacturing is necessary and good for the industry and the environment because it contributes to sustainability."

It can also contribute to profitability, Beinlich added.

"Remanufactured components are a much more cost-competitive option compared to new ones because fewer raw materials are required," Beinlich emphasized. "The quality of genuine Komatsu remanufactured parts and components is better than will-fit items. That's why we back them with a one-year, unlimited-hours warranty and a quality assurance program of up to 10,000 hours on major components."

Enhancing availability

Beinlich leads a new team of Komatsu remanufacturing personnel that is committed to increasing customer utilization of reman parts and components. It includes longtime remanufacturing specialists such as Senior Product Manager Goran Zeravica, as well as Remanufacturing General Manager Isamu Hamai, Parts Sales and Marketing Manager Eric Uehara, Reman Procurement Manager Krutarth Desai, Senior Quality Engineer Cody Clark, and Quality Assurance Specialist Bryan Davis.

"When customers buy a Komatsu machine, they expect that those machines will have readily available, reasonably priced, high-quality parts and components necessary to keep them running throughout the machine's life cycle," said Zeravica. "Genuine Komatsu remanufactured components can play a significant role in meeting that expectation. Our goals include improving availability and utilization so that our customers have a better total cost of ownership."

Zeravica added, "To promote our customers' success with remanufacturing, we have brought a lot of people together from various parts of the Komatsu family including suppliers, our parts depots and distributors. Ordering reman parts and components will be easier too, as we bring that into the digital age by making them available through My Komatsu." ■



(L-R) Komatsu's remanufacturing team includes Eric Uehara, Krutarth Desai, Isamu Hamai, Goran Zeravica, Arek Krynski, Pierre Deering, and Matt Beinlich.



Using remanufactured parts and components can help promote profitability and sustainability as well as help control your machinery's total cost of ownership.



2018 Komatsu D39PX-24, 95203, BPE22D15, 4,559 hrs.



2021 Komatsu PC170LC-11, 35960, PT37492, 2,455 hrs.

Year/Make/Model	S/N	Equipment Number	Location	Hours
Articulated Trucks				
2017 Komatsu HM400-5	10593	J00819	Knoxville, TN	7,733
2017 Komatsu HM400-5	10594	J00820	Knoxville, TN	7,165
2017 Komatsu HM300-5	10335	J00815	Louisville, KY	9,217
Compaction				
2018 HAMM H 12i	H235.0502	BJ00730	Lexington, KY	1,600
2018 HAMM H 13i P	H234.0552	J00809	Louisville, KY	1,000
2023 HAMM HC 130i	H254.0247	J00806	Louisville, KY	50
2023 HAMM HC 130i	H254.0252	J00807	Louisville, KY	50
2023 HAMM HC 70i	H287.0101	J00794	Louisville, KY	50
Dozers				
2018 Komatsu D39PX-24	95203	BPE22D15	Indianapolis, IN	4,559
2022 Komatsu D51PX-24	15393	PP33963-1	Tupelo, MS	2,639
2023 Komatsu D61PX-24	B65880	BTE24503	Evansville, IN	3,463
2019 Komatsu D51PX-24	B20398	J00797	Louisville, KY	2,634
2019 Komatsu D51PX-24	B20479	J00821	Paducah, KY	1,309
2019 Komatsu D51EX-24	B20316	J00808	Knoxville, TN	3,942
2020 Komatsu D65EXi-18	92296	J00767	Knoxville, TN	1,560
2021 Komatsu D71PXi-24	70300	J00825	Evansville, IN	3,139
Excavators				
2023 Komatsu PC88MR-11	C40346	BTF24419	Fort Wayne, IN	1,070
2021 Komatsu PC170LC-11	35960	PT37492	Little Rock, AR	2,455
2021 Komatsu PC210LC-11	A13122	PT32978-1	Memphis, TN	1,977
2022 Komatsu PC210LC-11	A13450	PT33446-1	Little Rock, AR	2,749
2019 Komatsu PC210LC-11	C80654	J00754	Knoxville, TN	2,850
2019 Komatsu PC240LC-11	K73143	J00799	Tupelo, MS	3,715
2022 Komatsu PC238USLC-11	8841	J00827	Louisville, KY	250
2023 Komatsu PC290LC-11	A28582	J00828	Little Rock, AR	1,980
2023 Komatsu PC290LC-11	A28619	J00829	Little Rock, AR	1,821
2023 Komatsu PC290LC-11	A28611	J00830	Little Rock, AR	1,795
Wheel Loaders				
2022 Komatsu WA320-8	86807	PT35091-1	Nashville, TN	3,091

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