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March 2022

A PUBLICATION FOR AND ABOUT OUR CUSTOMERS IN THE NORTHWEST

UPDATE



Omdahl Excavation & Utilities Inc.

(L-R, front) Byron
and Bev Omdahl
(L-R, back) Caylyn
and Amber Omdahl



West Coast Home Solutions LLC



Eugene Labunsky,
president/owner



Alex Labunsky,
managing
partner

A Message from Modern Machinery



Jeff Schwarz

**2022 looks
bright for
construction**



Dear Valued Customer:

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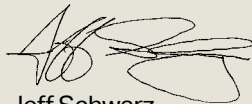
This year looks like another good one for construction. Industry economists and experts seem to agree that there will be growth overall, and the supply chain issues plaguing material acquisitions and driving up costs will ease in the latter half of 2022. They also believe that's when the impacts of the new infrastructure bill, which Congress passed in late 2021, will begin to take effect. We've highlighted some of the benefits of the bill, aka the Infrastructure Investment and Jobs Act, inside.

To gain efficiency and increase productivity, companies across the world are adopting technology as they look to lower owning and operating costs. Komatsu is already at the forefront of this change with solutions such as Smart Construction Remote and the new intelligent Machine Control (iMC) 2.0 technology with an optional auto tilt IMU sensor. Inside, you will find more information about these products and how they help save time and reduce costs. Our Smart Construction experts can show you the advantages and help you implement these solutions into your operations.

There are several other interesting and informative articles to help your business, including tips on preparing your staff and equipment for the upcoming busy season. We also showcase several new forestry machines such as the Komatsu 931XC-3 8WD harvester, the Komatsu 855-3 forwarder, and the TimberPro TL775D SL self-leveling shovel logger.

As always, if there is anything we can do for you, please call one of our branch locations.

Sincerely,
Modern Machinery



Jeff Schwarz,
President



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Eugene, Oregon
4610 Cloudburst Way
Eugene, OR 97402
(800) 826-9811
(541) 688-7321
Fax: (541) 689-5429

Portland, Oregon
5241 N.E. 82nd Ave.
Portland, OR 97220
(800) 950-7779
(971) 222-1710
Fax: (503) 255-1553

Missoula, Montana
101 International Drive
Missoula, MT 59808
(800) 332-1617
(406) 523-1100
Fax: (406) 523-1117

Columbia Falls, Montana
28 Arcadia Way
Columbia Falls, MT 59912
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(406) 755-5540
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(800) 735-2589
(406) 252-2158
Fax: (406) 252-1165

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Pocatello, ID 83201
(800) 829-4450
(208) 233-5345
Fax: (208) 235-9658

Boise, Idaho
1257 West Amity
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(800) 221-5211
(208) 336-8570
Fax: (208) 336-8616

Jerome, Idaho
2735 Tucker Ct., Suite C
Jerome, ID 83338
(208) 324-4522
Fax: (208) 324-8034

Kent, Washington
22431 83rd Ave. S.
Kent, WA 98032
(800) 669-2425
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Fax: (253) 872-3519

Spokane, Washington
4428 E. Trent Ave.
Spokane, WA 99212
(800) 541-0754
(509) 535-1654
Fax: (509) 534-6741

Rochester, Washington
19444 Ivan St. S.W.
Rochester, WA 98579
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Spokane Machinery
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4428 E. Trent Ave.
Spokane, WA 99212
(800) 541-0754
(509) 535-1576
Fax: (509) 534-6741

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New earthwork division enables West Coast Home Solutions to take projects from bare ground to final completion



Eugene Labunsky,
president/owner



Alex Labunsky,
managing partner

Balance can be a key factor for success when it comes to business. It's been a driving force for brothers Eugene and Alex Labunsky since West Coast Home Solutions LLC was started 20 years ago in Wilsonville, Ore.

"Eugene is a visionary and always challenges the team to accept bigger and bolder projects, while I'm more cautious," explained Alex, who is a managing partner in the business; Eugene is the owner and president. "That combination is good because it spurs us forward to growth, but not in a way where things get out of hand, and we can't control it."

That equilibrium helped West Coast Home Solutions expand from a small homebuilding contractor into a multifaceted business that builds residential housing — including custom homes and multifamily structures — and performs land development throughout Oregon. The latter is almost always paired with the former.

"We are developers, and until about seven years ago, we contracted earthwork out," Eugene noted. "Scheduling and price became an issue for us, so we decided to do it ourselves. Alex did a lot of research into how to best approach it for our needs. He presented the idea to me, and I was on board without hesitation because I could see how it would improve our control over project starts and completion, as well as the added profitability. It proved to be a solid move."

Teaming up again

Research and experimentation, along with a 'we will try most anything' attitude, have served the Labunskys well over the years. All of which are key ideals they learned from their father, who moved Alex, Eugene and their five other siblings to the United States from the former Soviet Union, specifically the area now known as Ukraine, in 1989.

"Our dad was resourceful, and he didn't believe in taking something that you didn't earn," recalled Eugene. "On our second day in the U.S., we were picking berries because he didn't want to take handouts. He also didn't want to sign up for any government programs. He ended up getting a factory job, but before that, and even while he worked there, odd jobs were common — roof tear offs, construction, whatever he could find. He could figure out how to do anything."

Alex and Eugene helped out during the evenings, learning to frame and plumb houses — skills they would use when they started the forerunner to their current business, West Coast Construction. The two handled everything themselves at the beginning, and by the age of 18, Eugene had his own business.

"I did the plumbing, and Eugene found the work," Alex recalled. "He was good at it, so we had plenty. Our sister Natasha became

A West Coast Home Solutions operator fine grades with a Komatsu D51PX dozer on a multifamily home site. "The D51 gets utilized all the time," said Alex Labunsky, managing partner. "It lets you push sizable loads of dirt while at the same time being nimble enough to do fine work. The visibility with the slant-nose design is outstanding. Being able to see the edges of the blade increases productivity."





► VIDEO

Operator Naathan Hinton backfills around storm piping with a Komatsu PC238USLC-11 on a multifamily job site. "I like that I can do jobs in open or confined spaces with the tight tail swing," said Naathan. "It has plenty of power, but it's still smooth to operate. I have run almost every brand, and Komatsu really stands out."

the controller and handled financials; she's a superhero. There were numerous long days and nights, but we were determined to make it work. Eventually, we were able to hire people and take on some sizable jobs. We also did a lot of remodels and flipped houses. Things were rolling along really well."

Then, the recession of 2008 hit, and work had all but dried up. The brothers went their separate ways, but they talked on a consistent basis. Eugene remained in the Portland area and stayed with homebuilding. Alex took a job in Hawaii, where he improved his project management skills.

"As the markets recovered, Eugene kept asking me to come back," Alex said. "I resisted for awhile, but one day just said, 'Yes, I'll do it.' I came home, and he drove me around to the sites he was working on. I could see a bright future, so about seven years ago we teamed back up with West Coast Home Solutions."

The benefits of new equipment

The addition of the earthwork division meant more equipment was needed. The Labunskys had a philosophy of buying used.

"We believed that was the most economical because it was less expensive than new,"

said Eugene. "Mike (Stepan) with Modern Machinery called on us several times just to ask if there was anything he could do to help. Eventually, we talked to him about getting some used Komatsu equipment. He showed us the benefits of buying new with financing options. It made sense because the repair costs would virtually be eliminated, and our downtime would be reduced. That's proven true. Komatsu's low finance rates helped as well."

With Mike's assistance, West Coast Home Solutions acquired several pieces, including a D51PX dozer. "We were a little hesitant to buy it at first. We had a larger dozer, and it sat for long periods of time because we just couldn't use it for certain things," said Alex. "The D51 gets utilized all the time. It lets you push sizable loads of dirt while at the same time being nimble enough to do fine work. The visibility with the slant-nose design is outstanding. Being able to see the edges of the blade increases productivity."

Alex admits he was also hesitant to purchase tight tail swing excavators. Superintendent Alan Sands helped convince him that PC88MR, PC138USLC and PC238USLC models would be valuable assets.



Natasha Shevchenko,
controller



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Continued...

'We are productive in all situations'

... continued

"Our work varies from excavating in open areas to digging right beside a lane of traffic to putting in utilities in confined spaces," explained Alan. "The tight tail swings give us the versatility to do it all. They have excellent lift capacity and stability even with a full bucket, without the worry of a large counterweight hitting an obstruction. We are productive in all situations. If we need bigger machines for something, we can always bring in our older PC400s to get the job done."

Modern Machinery handles routine services for the first three years or 2,000 hours under the Komatsu Care program on newer machines, including West Coast Home Solutions' WA270-8 wheel loader. "In addition to new equipment with less downtime, Komatsu Care further reduces our owning and operating costs," Alex emphasized. "We have built great relationships with Mike and Modern, and we look forward to growing them."

Potentially branching out

In one way, the Labunskys are returning to their roots by working on several multifamily projects in Woodburn, which is where they grew up.

"There is a real need in that area for additional housing, and we are happy to be a part of building that community, as well as others," said Eugene. "We have some large-scale projects going on that include apartments and commercial mixed-use sites."

For now, the excavation division is staying busy with the multitude of projects West Coast Home Solutions has, or will soon have, underway.

"Our goal would be to let the excavation division eventually branch out and do other types of work such as wetland and wildlife habitat restoration," said Alex. "For now, however, we plan to stick with what has worked for us and got the business to this point." ■



▶ VIDEO

Modern Machinery Territory Manager Mike Stepan (left) talks with West Coast Home Solutions' Alex Labunsky. "Mike called on us several times just to ask if there was anything he could do to help," said Alex. "He showed us the benefits of buying new with financing options. It made sense because the repair costs would virtually be eliminated, and our downtime would be reduced... We have built great relationships with Mike and Modern, and we look forward to growing them."



West Coast Home Solutions uses Komatsu tight tail swing excavators for a variety of tasks. "Our work varies from excavating in open areas to digging right beside a lane of traffic to putting in utilities in confined spaces," explained Alan Sands, superintendent. "The tight tail swings... have excellent lift capacity and stability even with a full bucket, without the worry of a large counterweight hitting an obstruction, so we are productive in all situations."





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Hard work, 'running lean and mean' builds success for Montana earthmoving company Omdahl Excavation & Utilities Inc.

This year marks Omdahl Excavation & Utilities Inc.'s 25th anniversary. As owners Byron and Bev Omdahl reflect on the past, they are also looking ahead to what the future holds for the Manhattan, Mont., earthmoving business.

"We believe we have developed a successful strategy, and I'm not too interested in getting much bigger or doing something different than what we are now," said Byron, owner/president. "I've seen people try to grow too fast or take on work they were not prepared for. The result was that they were quickly gone."

The Omdahls are focused on staying the course and playing for the long term, so their daughters, Amber and Caylyn, have the opportunity to take over the business someday. Both recently joined the company full time.

"They are gaining experience in all aspects," said Bev, owner/vice president. "They have been in the field running trucks and excavators, as well as learning to do the office work such as payroll and billing. We're very proud of their work ethic."

Mainly municipal

Byron and Bev have been good role models when it comes to the hard work of building a successful business. After years of working for other companies, Byron decided to start on his own and put his experience to work moving dirt, installing utilities and pouring concrete.

"I ran solo for a while, then my dad retired from his job and came to work for me, followed by my brother," recalled Byron. "Things started rolling, and the jobs got incrementally bigger. Within a few years we landed our first really big job putting in utilities, digging foundations, and stripping and clearing trees for an apartment complex around West Yellowstone."

Omdahl Excavation & Utilities continues to offer those services and more, either as a general contractor or as a subcontractor, throughout the state of Montana with a staff of about 10. Byron estimated that 80% of its projects are hard bid municipal contracts and 20% are private assignments for individuals or development companies.

"A lot of our municipal jobs are centered around street rehab, which involves practically everything we do — demolishing the old pavement, redoing the subgrade and installing utilities," said Byron. "We sub out concrete paving and curb and gutter in most instances, but we do perform asphalt paving. We self-perform roughly 90% of our scope of work."

Bev pointed out that while that's the norm, it's not always been the case. "There have been years where we did nothing but pipe installs, and then there have been others where it was mainly moving dirt. It depends on what's available. We're always busy because Byron

This year, the Omdahls — (L-R, front) Byron, Bev, (L-R, back) Caylyn and Amber — will celebrate the 25th anniversary of their earthmoving business, Omdahl Excavation & Utilities Inc.



Omdahl Excavation & Utilities relies heavily on Komatsu tight tail swing excavators, including this PC308USLC that an operator uses to load an HM300 articulated truck. "We do a lot of work in confined areas, and the tight tail swings give us the power we need to be productive without the worry of a counterweight swinging into something," said Byron Omdahl, owner/president. "Because they can dig productively in open areas too, we don't really need conventional machines."

► VIDEO





► VIDEO

Byron Omdahl, owner/president of Omdahl Excavation & Utilities, cuts grade with a Komatsu D71EXi-24 dozer on an airport project near Bozeman, Mont. "What impresses me about the D71i specifically is that for its size it is still nimble enough to do fine grading. It pushes a lot of dirt too. It's just an all-around great dozer," said Byron. "We have seen our productivity on road, pond and other types of jobs increase. It's highly accurate, and we are finishing jobs faster."

bids two or three major projects a year that typically range from \$1 million to \$4 million, then fill in with smaller work."

Tight tail swings, first iMC machine

About 16 years ago, Omdahl Excavation & Utilities was doing a pipe job that involved putting in a combined 65,000 feet of sewer and ductile iron water lines. Byron knew he needed a couple of machines to augment the company's fleet, so he contacted Modern Machinery.

"They brought four Komatsu excavators, three of which were tight tail swings," recalled Byron. "Those have been my excavators of choice since. We do a lot of work in confined areas, and the tight tail swings give us the power we need to be productive without the worry of a counterweight swinging into something. Because they can dig productively in open areas too, we don't really need conventional machines."

Modern remains the Omdahls' preferred equipment provider as well. "They are phenomenal," stated Byron. "They put us in the right machines for us to be most productive, then take care of them and us with world-class service. If I call, they are right there to help — whatever the need is."

Omdahl Excavation & Utilities currently runs PC88MR, PC138USLC, PC238USLC and PC308USLC tight tail swing excavators. It also has an HM300 articulated haul truck, two WA320-8 wheel loaders and a LeeBoy 8520 paver it purchased from Modern. All of those acquisitions were done with the help of Territory Manager Gary Boos, as well as the recent purchase of the Omdahls' first intelligent Machine Control (iMC) 2.0 dozer, a D71EXi-24.

"Putting an inexperienced operator in a conventional dozer means you have to live



Discover more at
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Continued...

D71EXi is 'highly accurate, and we are finishing jobs faster'

... continued

with the fact that it's going to take valuable time for them to learn how to move dirt efficiently and be able to understand stakes and slopes," said Byron. "The iMC dozers shorten the learning curve because the automatic grade control knows to put the right load on the blade. They always know where they are in relation to final grade and

whether an area needs to be cut or filled. The plans are right there in front of them on the screen. What impresses me about the D71i specifically is that for its size it is still nimble enough to do fine grading. It pushes a lot of dirt too. It's just an all-around great dozer. We have seen our productivity on road, pond and other types of jobs increase. It's highly accurate, and we are finishing jobs faster."



(L-R) Byron Omdahl, owner/president of Omdahl Excavation & Utilities, and Modern Machinery Territory Manager Gary Boos discuss the features of Omdahl's new PC138USLC-11 excavator. "They (Modern Machinery) are phenomenal," stated Byron. "They put us in the right machines for us to be most productive, then take care of them and us with world-class service. If I call, they are right there to help — whatever the need is."

Byron added that he also saw productivity jump when Omdahl Excavation & Utilities added a conventional D51 dozer prior to the D71EXi-24. "The visibility with the slant-nose design is outstanding because the operators can see the blade edges and know exactly where to place material without relying on feel. They are more productive and efficient."

Dedicated staff

Bev credits Omdahl Excavation & Utilities' staff for the ability to complete all jobs on time and on budget.

"We believe in running lean and mean," Bev emphasized. "They work hard, and they stay focused on the task at hand. We must give them a lot of credit. We used to have a bigger staff, but honestly that was a headache because it was hard to manage. We ended up doing a lot of rework because things weren't done right the first time. I vowed to not let that happen again." ■

Omdahl Excavation & Utilities currently runs multiple pieces of Komatsu equipment that it purchased from Modern, including an HM300 articulated haul truck.





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Infrastructure Investment and Jobs Act brings historic investments

The recently passed \$1.2 trillion Infrastructure Investment and Jobs Act (IIJA), aka the Bipartisan Infrastructure Deal, will reauthorize surface transportation programs for five years and invest \$110 billion in additional funding to repair America's aging roads and bridges. With nearly \$40 billion dedicated to the latter, that is the single, biggest investment in bridges since the construction of the interstate highway system in the 1950s, according to the Biden administration.

Transportation safety programs will see \$11 billion in funding, including \$5 billion for the new Safe Streets and Roads for All program, established to help states and localities reduce crashes and fatalities in their communities. Another new program provides grants to community-owned utilities to replace leaky and obsolete cast iron and bare steel natural gas pipelines. In total, the infrastructure bill is projected to more than double funding directed to programs that improve the safety of people and vehicles.

Largest outlay for water systems

The spending package also includes the largest investments in other infrastructure

systems. To expand access to clean drinking water for households, businesses, schools and child care centers all across the country, \$55 billion will be dedicated to address water contamination and the replacement of lead pipes.

IIJA sets aside \$50 billion to protect against droughts, floods and wildfires, as well as weatherization, in an effort to increase the resilience of physical and natural systems from extreme weather events.

Modernizing for the 21st century

With major investments to connect rural areas, low-income families and tribal areas, \$65 billion will be dedicated to expanding broadband internet access. The bill includes provisions to make internet service more affordable and easier to compare prices.

An additional \$65 billion will modernize the nation's power grid and build thousands of miles of new, resilient transmission lines to facilitate the expansion of renewable energy.

Updates to the nation's power grid should allow more electric vehicles to be charged, and IIJA provides \$7.5 billion to build the

Continued...

Airports are to receive \$25 billion to address repairs and maintenance backlogs, reduce congestion, and drive electrification and other low-carbon technologies. Ports, rail and buses are among the other public transportation sectors seeing significant funding for modernization.



IIJA will drive the creation of jobs

... continued

first-ever national network of electric vehicle (EV) chargers in the United States. This funding includes the deployment of EV chargers along highway corridors to facilitate long-distance travel, and within communities to provide convenient charging where people live, work and shop.

Updating public transit

In total, the new investments and reauthorization in IIJA guarantee \$89.9 billion in funding for public transit over the next five years — the largest Federal investment in public transit in history. The legislation will improve accessibility to all users, bring transit services to new communities, and replace thousands of deficient transit vehicles with clean, zero-emission vehicles.

The legislation also invests \$66 billion in rail funding to eliminate the Amtrak

maintenance backlog, modernize the Northeast Corridor, and bring service to areas outside of the northeast and mid-Atlantic. Airports will get \$25 billion to address repairs, reduce congestion, and drive electrification and other low-carbon technologies.

Job openings

Additionally, the infrastructure bill will drive the creation of good-paying union jobs and grow the economy sustainably and equitably. Combined with the President's Build Back Framework, it is estimated that on average, 1.5 million jobs per year will be added for the next 10 years.

Opportunities for construction workers, truck drivers, architects, mechanical engineers and cybersecurity analysts, among others, are likely to increase. ■

Roads and bridges receive the largest amount of funding in the Infrastructure Investment and Jobs Act at \$110 billion; nearly \$40 billion of which is dedicated to bridges. Transportation safety is to receive \$11 billion.



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Your busiest time of the year is near. Make sure equipment and personnel are ready for maximum production

During the winter months, your machinery may have sat for a long period of time, or you may have kept working and just had routine services done during that time. Either way, it is vital to take steps to ensure your equipment is ready for the busy summer days that lie ahead.

Don't wait

If you have any outstanding work orders or operator repair tickets, finish them as soon as possible. Thoroughly inspect machines a few weeks before the schedule really heats up, and if you find any issues, address them right away. Remember, larger items such as undercarriages take more time to repair, so inspecting them well ahead of time is vital.

Buckets, blades, cutting edges and ground engaging tools such as teeth require attention, too. Make sure there are no cracks, chips or excessive wear that could affect safety and performance; replace if needed. Check that your attachment hoses and connectors are in good working order and ready for hydraulic fluids. Hook them up briefly, and run them to see if they are working properly.

Prepare staff members

Make sure employees are aware of schedules, procedures, emergency protocols, and the dangers and signs of heat-related illnesses. Employees should also know how to report maintenance items, the functions of new machines, and how to use them to maximize production and efficiency. Plus, make sure they have all the necessary personal protective equipment and that it is in good condition.

Stock up on parts

You should have an easily accessible store of basic maintenance items on hand such as grease, fluids, filters and belts. Having these on hand will save you from making frequent trips to the store, and decrease your overall downtime.

Clean the machine

Have you heard the adage that a clean machine runs better? True or not, you should wash your equipment to remove any dust and/or dirt buildup from storage or from use during the winter months. Cleaning can help you spot potential issues. Remove any debris,

Continued...

Thoroughly inspect your machinery before the busy construction season starts to ensure it is ready for maximum performance. Make sure everything is in working order and fluids are at their proper levels. Don't forget to check technology.



Replace damaged parts

... continued

including from the engine compartment. Look out for rodent and/or bird nests.

Don't overlook the inside of the cabs — clean the glass, and dust the consoles and dashes. Replace missing or damaged safety decals.

Charge batteries

If you stored batteries, be sure to check them. Before using them, ensure proper water acid levels and fill, if necessary. Batteries that were not charged during storage should be. Coating battery connections with an anti-corrosion spray can prolong system life. Replace batteries if you believe there is any doubt about their safety or reliability.

Check fluid levels

It is essential to keep fluids at proper levels. Make sure there is an operating and maintenance manual available in your machine year-round, and refer to it for guidance. Be sure to grease any points that require it.

As temperatures rise, you should switch to fluids that properly match the ambient temperatures. If the machine requires diesel exhaust fluid, draining it and refilling it with new fluids to maintain purity and concentration is highly recommended, regardless of if you used the machine during the cold winter months or not. Switch fuel to a summer blend such as No. 2 diesel, and drain the lines of any condensation.

Pay attention to hoses and filters

If fluids are the lifeblood, hoses are the arteries that carry it. Check them for abrasions and leaks; replace immediately if any are found.

Cold can affect filters, so consider replacing them with new ones, including air filtration and air conditioner filters, so operators have a cleaner, more comfortable environment. Dust and contaminants affect filter performance, so keep a close eye on them, and change them as often as necessary.

Don't overlook technology

Check the connections on your aftermarket GPS systems, as well as those that go with removable monitors. Turn the machine on, and test telematics systems to make sure you can monitor machines through your computer or smart devices. ■



During the busy season, your machinery and personnel work hard, so make sure both are ready ahead of time. Check your equipment's undercarriage, ground engaging tools, fluids, components and other critical items. Make sure staff members have all necessary personal protective equipment and that it is in good condition.



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Sold and Supported by Modern Machinery

Contractor reaches target elevation faster with new auto tilt bucket control that can follow unique design surfaces

Bobby and Allen Tripp spent countless hours running drag lines and operating dozers for their uncle while growing up on their family's farm. In 1997, the brothers transitioned from farm work when they established their own company, Tripp Bros Inc., which has steadily grown into a turnkey site development operation.

The firm's projects range from installing new construction infrastructure to resurfacing city and town streets. For maximum efficiency, the firm completes all aspects of a project in-house. To meet tightened grade tolerances and compensate for the declining number of experienced operators, the company has turned to GPS-equipped machines.

"The knowledge and skill lost from older operators leaving the industry — and with younger operators replacing them — GPS technology has become essential to our business," stated Bobby. "We rely on the technology to help our operators reach grade. Without our GPS-equipped machines, it would take us three times as long to complete the work."

At its residential jobs, which comprise 75% of the firm's current workload, creating as-built storm retention ponds is a challenge.

"The ponds are an environmentally conscious way to treat water before it's released from the site," noted Bobby. "Because each pond is unique, you can hardly dig them without diverting extra labor and equipment to keep it within tolerances."

Bobby continued, "We've found that with our Komatsu PC210LCi excavator with the new auto tilt bucket control, our operators can build the pond to grade more accurately than they could with a person shooting grade or checking them with a rover."

Maximum efficiency with iMC 2.0 with auto tilt bucket control

Bobby said that the new intelligent Machine Control (iMC) 2.0 technology on the PC210LCi-11, with the optional auto tilt IMU sensor, makes grading the ponds more efficient. By using Komatsu intelligent excavator auxiliary hydraulics, the auto tilt IMU sensor enables automatic control of the bucket/attachment angle to match the cutting edge of the surface.

Like all iMC excavators, the full bucket profile protects against over-excavation — even when the machine is not facing directly toward the target surface. With iMC 2.0 and the IMU sensor, the full bucket edge stays on the surface and automatically returns the bucket to a horizontal position for unloading.

"The machine is set up to tilt the bucket on its own and match a swale based on the design," explained Bobby. "We call it a 'one and done motion' because you don't have to go back and regrade the surface. The tilt bucket slopes, shapes and takes the pond to grade as you go."

"The auto tilt bucket control increases the machine's versatility and removes the need for an iMC dozer to check grade," added Alan Yoder, superintendent. "You're able to tilt the bucket instead of moving the machine to get the correct angle. Even our inexperienced operators find it easier to understand and control."

Bobby notes that the iMC 2.0 PC210LCi excavator improves Tripp Bros' efficiency contouring and crowning roads as well. "When we're undercutting a section of road, we can undercut the surface at a 2% fall and shape a crown in the road. The precision means we don't have to touch material twice. I haven't seen anything on another machine that compares to what this excavator can do." ■



Bobby Tripp,
president



Alan Yoder,
superintendent



Watch the video

Superintendent Alan Yoder excavates a storm retention pond using a Komatsu intelligent Machine Control (iMC) 2.0 PC210LCi-11 excavator with auto tilt bucket control.

"The auto tilt bucket control increases the machine's versatility and removes the need for an iMC dozer to check grade," said Yoder. "You're able to tilt the bucket instead of moving the machine to get the correct angle."

► VIDEO



Smart Construction Remote helps you support your machines from anywhere, saving you time and expense



Mike Salyers,
senior product
manager, Komatsu
Smart Construction
solutions

Do you need to get data to your machines? Want to help your operators troubleshoot? If you have connectivity and Komatsu's Smart Construction Remote solution, you can do both from anywhere, optimizing your time and making workflows more efficient.

With Smart Construction Remote, construction site managers can help operators troubleshoot issues in real time by viewing the same data they do. Managers can add new files without the time commitment of traditional methods, and transfer design files to multiple machines on-site with one click.

"In today's world, we live by emails, text messages and live chats to get things done quickly, and visualize what needs to be accomplished," said Mike Salyers, senior product manager, Komatsu Smart Construction solutions. "Smart Construction Remote gives you similar capabilities. It's like a live support system for the machine and its operator, allowing you and the operator to make necessary adjustments while making sure the machine has the current information needed to complete a job — without allocating valuable resources and hours to get the machine up and running."

Salyers added that Smart Construction Remote has the capabilities to connect to all types of machines, including Komatsu intelligent Machine Control (iMC) equipment, machines equipped with select Topcon aftermarket systems, and select Topcon data collectors utilizing Pocket 3D field software.

Easy to get started

To get started using Smart Construction Remote:

- Visit Komatsu's My Komatsu webpage and login, or set up an account

- Navigate to the Smart Construction Marketplace (<https://smartconstruction.mykomatsu.komatsu/products>)
- Click on 'Smart Construction Remote' and add it to your shopping cart
- Input payment information when you're ready to check out

Once activated, click 'My Subscription.' When you open the application, the Smart Construction Remote screen will appear after logging in. Begin the activation process to add the machines you want connected to Smart Construction Remote. A red bell will appear on screen, and you can simply follow the prompts from there.

Once a machine has been activated, it can receive files and information remotely. Multiple files can be sent at one time and downloaded from the machine. If necessary, files can be deleted from the machine's control box.

If the operator needs assistance understanding if they are in the correct file or on the correct surface, or if there are issues that prevent them from working properly, Smart Construction Remote can be deployed, and managers can access the monitor and remotely correct machine settings or resolve issues.

"Smart Construction Remote's remote-control function is just like sitting in the cab of the machine, but in the comfort of your office, home or location," said Salyers. "A remote user can navigate the on-screen menus and make the necessary adjustment to the blade control's point

of emphasis, surface offsets, dozing modes and many more. Smart

Construction Remote can also be used as a training tool to show operators how they can perform desired operation by executing functions in front of them, so they can actually see what they need to do." ■

With Smart Construction Remote, construction site managers can help operators troubleshoot issues in real time by viewing the same data they do. New files can be added and design files can be transferred to multiple machines on-site with one click — without allocating valuable resources and hours to get the machine up and running, according to Mike Salyers, senior product manager for Smart Construction solutions.



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Get real-time insights straight from the field

Learn more about this and other Smart Construction solutions at <https://www.komatsu.com/en/site-optimization/smart-construction/#tab3>



Success of a job site comes down to a simple question: Did we hit our targets for the day? Tracking the costs of labor, machines and materials are the keys to answering, "Yes." With Smart Construction Field, you can say goodbye to pen and paper, and leverage

a connected system to analyze your costs against your bid.

You can:

- Get more accurate job site data
- Easily track and analyze daily spending
- Track job site daily activity
- Make better business decisions

Insider Tip: "With Smart Construction Field you can quickly see if you are ahead, on schedule or behind to give you the ability to make faster decisions that affect production," said Bryce Satterly, Komatsu Smart Construction solutions manager. ■

A smoother approach for better productivity



See more productivity features of the WA900-8 at <https://www.komatsu.com/en/products/wheel-loaders/surface-mining-wheel-loaders/wa900-8/>

A new modulation clutch in the WA900-8 surface mining wheel loader enables the operator to perform smooth approaches when loading trucks. This feature can also help reduce shock when shuttling between forward and reverse, which is particularly beneficial in v-cycle applications.

Automatic dig, semi-automatic approach and dump systems can reduce fatigue

and allow operators to focus more on the path of machine travel.

Throttle lock allows operators to set engine speed. When enabled, auto-deceleration automatically decreases the engine speed to low idle when no operator inputs are applied to the controls and the transmission is in neutral.

All of those features can help improve your production and lower fuel consumption.

Insider Tip: "A high-lift configuration to pair with 150-ton trucks is available, as well as optional add-ons that include KomVision with radar object detection for a bird's-eye view of the machine and its surroundings," said Sebastian Witkowski, Komatsu product marketing manager. ■



New feature reduces operator fatigue



Learn more about tilt steering control and other technological advances in iMC 2.0 dozers and Smart Construction solutions at <https://www.komatsu.com/en/site-optimization/smart-construction/#tab5>

Want to reduce operator steering input by 80%? Tilt steering control on Komatsu intelligent Machine Control (iMC) 2.0 dozers maintains power to the tracks and

automatically tilts the blade for straight travel during rough dozing.

Additional benefits include:

- Reduced operator fatigue
- Greater reduction in track slip
- No surface undercuts

Insider Tip: "Use tilt steering control during heavy cutting applications and when simple grading is off," said Ron Schwieters, Komatsu senior product manager, iMC and hardware. ■



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We are inspired to connect with our customers through inventive design that creates safe and reliable roads.

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Sold and Supported by Modern Machinery

New harvester, forwarder enhance forestry operations' productivity in most terrains

Forestry equipment operates under difficult and demanding conditions. Engineered for the rugged terrain of forestry and logging work, Komatsu now offers two new machines, the 931XC-3 8WD harvester and the 855-3 forwarder.

931XC-3 8WD harvester

Designed for extreme conditions (XC) from smarter thinning to heavy-duty felling, the 931XC-3 harvester is exceptionally maneuverable in most types of forests and terrains. It has been optimized for low working speeds, including a broad powerband and high torque backup for challenging operations.

Among the 931XC-3 features:

- **Unique 8WD system**

For excellent handling, the 8WD double Komatsu Comfort Bogie drive system

follows the terrain more closely than other 8WD machines with a fixed rear-axle design, greatly reducing rear ground pressure. It offers high ground clearance and enhanced traction; hydrostatic transmission matching power and traction; and automatic cab/crane leveling.

- **Powerful parallel crane**

Promote enhanced production with a single control lever movement that extends the boom/arm on a parallel path. The three-pump hydraulic system enables simultaneous slewing, feeding and maneuvering, as well as a ± 180 -degree cab/crane rotation with automatic four-way cab/crane leveling.

- **Modern, large, spacious cab**

Critical to productivity are operator comfort and visibility. The automotive-quality cab on the 931XC-3 8WD harvester includes a giant front window, ergonomic seat, automatic climate control, sound-deadening measures, and heated and cooled meal storage, as well as an easy-to-understand machine interface.

Designed for extreme conditions from smarter thinning to heavy-duty felling, the new 931XC-3 8WD harvester is exceptionally maneuverable in most types of forests and terrains.





► VIDEO

A state-of-the-art MaxiXT system on the new 855-3 forwarder gives operators the ability to monitor and control everything from the engine and crane to the transmission and service ladders.

855-3 forwarder

The 855-3 forwarder helps your operators deliver productivity day after day in the 14-metric-ton class, working with them to offer power, smart features and nimbleness.

The 855-3 forwarder includes:

- **Machine and crane control**

Operators can monitor and control everything from the engine and crane to the transmission and service ladders with the state-of-the-art MaxiXT system. All operator-specific functions can be fine-tuned to achieve the sensitivity and speed each individual operator prefers.

- **Smooth and fast transport**

Chassis and suspensions are designed to maneuver through even the most rugged forests when fully loaded. Komatsu Comfort Bogie axles with a high portal offset and V-shaped frames provide high ground clearance.

If your operation requires ground or stump leveling on tough terrain, an optional heavy-duty stacking blade is available for the 855-3. Mounted with a high angle of departure for climbing obstacles, there's no interference between blade, battery boxes or hood guard. ■

For more information about Komatsu's line of forestry and logging equipment, go to <https://www.komatsu.com/en/industries/forestry/>.



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TimberPro TL775D SL self-leveling shovel logger performs well on West Coast job sites

Designed to handle steep slopes, extreme terrain and high altitudes, TimberPro's new TL775D SL self-leveling shovel logger delivers high production on job sites along the West Coast.

The largest of TimberPro's D-Series purpose-built track machines, the 96,200-pound TL775D SL has a peak-performance leveling system and casting; ultra-rugged lower chassis; extra-long, heavy-duty track frames; and a wide stance that makes it the most structurally robust and powerful in its class. Meanwhile, it keeps ground pressure to a minimum with a standard 10.7 psi.

Additional key productivity features include:

- A shovel logger boom with live heel for maximum reach
- Dual-motor hydrostatic slewing system
- Hydrostatic swing control with hillside holding
- Dedicated dual hydrostatic track drive system
- Large windows for increased visibility
- Best-in-class serviceability

"The TimberPro TL775D SL delivers unparalleled productive capability at an unmatched value, and it is built in the United States with tried-and-true components and design," said Kim Eickerman, Modern Machinery's Spokane branch manager.

Long-term value

The TL775D SL's 365-horsepower Cummins L9 engine delivers 1,151 foot-pounds of torque. It's engineered for increased fuel economy compared to previous models, as well as longer maintenance intervals. A single-module aftertreatment system is certified to the highest emissions standards.

"The team of Modern Machinery and TimberPro provides long-term value to loggers," said Eickerman. "We are here with support through parts and trained personnel for a high level of uptime after the sale, and even after the warranty expiration. We encourage anyone looking for a highly productive shovel logger with the capability to run multiple attachments to contact one of our branches or their Modern Machinery representative." ■



TimberPro's TL775D SL self-leveling shovel logger features a peak-performance leveling system and casting; ultra-rugged lower chassis; extra-long, heavy-duty track frames; and a wide stance that makes it the most structurally robust and powerful in its class. "The TimberPro TL775D SL delivers unparalleled productive capability at an unmatched value, and it is built in the United States with tried-and-true components and design," said Kim Eickerman, Modern Machinery's Spokane branch manager.



Used Equipment Priced to Sell

(Prices subject to change without notice)

Manufacturer/Model	Description	Serial No.	Year	Hours	Price
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Dozers

KOMATSU D155AX-8	SIGMA BLADE, MS RIPPER	100359	2019	1,264	POR
KOMATSU D85PX-18	SU BLADE	22098	2017	4,610	\$265,000
KOMATSU D65PX-17	STRAIGHT BLADE	1987	2014	5,002	\$105,000
KOMATSU D65PXI-18	PAT BLADE, 915 SYSTEM	90480	2016	4,010	\$275,000
KOMATSU D65WX-17	PAT BLADE, MS RIPPER	1893	2013	3,884	\$125,000
KOMATSU D61EXI-24	PAT BLADE, MS RIPPER, UHF SYSTEM	B61169	2020	1,901	POR
KOMATSU D61PX-24	PAT BLADE	B61088	2019	2,670	POR
KOMATSU D51PXI-24	PAT BLADE, UHF SYSTEM	10931	2020	802	POR
KOMATSU D39EX-24	PAT BLADE, MS RIPPER	100046	2021	446	POR
KOMATSU D39PXI-24	PAT BLADE, UHF SYSTEM	96822	2021	765	POR

Wheel Loaders

KOMATSU WA600-8	9.5 YD BUCKET, BRAKE COOLING	80279	2020	1,856	POR
KOMATSU WA500-8	8 YD BUCKET, AJSS	A97132	2020	3,219	POR
KOMATSU WA475-10	5.8 YD BUCKET, AJSS, MONO LEVER	120414	2022	505	POR
KOMATSU WA470-8	5.5 YD BUCKET	A49466	2019	3,253	\$235,000
KOMATSU WA380-8	QC	A75257	2020	1,160	\$229,000
KOMATSU WA320-8	QC, REAR FENDERS	85961	2019	2,320	POR
KOMATSU WA270-8	QC	83300	2017	2,945	\$119,000
KOMATSU WA200-8	QC	86083	2019	1,669	POR

Compaction

DYNAPAC CA5000D	84" SINGLE, A/C	10000174TMA031170	2021	416	POR
DYNAPAC CA3500PD	84" PADFOOT	10000168EKA023682	2019	485	POR
DYNAPAC CA2500D	84" SINGLE	10000167HLA030574	2021	361	POR
DYNAPAC CA2500PD	84" SINGLE PADFOOT, A/C	10000167PLA026630	2021	600	POR
DYNAPAC CA1500D	66" SINGLE	10000160LLA030284	2021	92	POR
DYNAPAC CA1400D	66" SINGLE	10000169VLA030622	2021	130	POR
DYNAPAC CC4200VI	66" ASPHALT ROLLER	10000385JJA023170	2019	48	POR
DYNAPAC CO4200VI	66" ASPHALT ROLLER, OSCILLATION	10000436PMA031115	2021	317	POR
DYNAPAC CC1200VI	47" ASPHALT ROLLER	10000446VMC010547	2021	209	POR

Excavators / Backhoes

KOMATSU PC800LC-8EO	18' ARM, COUNTERWEIGHT REMOVAL SYSTEM	65067	2012	8,517	\$450,000
KOMATSU PC650LC-11	14' ARM, COUNTERWEIGHT REMOVAL SYSTEM	80139	2020	1,128	POR
KOMATSU PC490LCI-11	13' ARM, UHF SYSTEM	A45068	2018	2,228	\$385,000
KOMATSU PC490LC-11	11' ARM, QC, 3RD MEMBER HYDRAULICS	85596	2019	3,387	\$432,000
KOMATSU PC360LCI-11	10' ARM, QC, UHF SYSTEM	A38371	2020	1,786	POR
KOMATSU PC360LC-11	10' ARM, QC, A-HYDRAULICS	A37429	2019	2,039	\$279,000
KOMATSU PC360LC-11	13' ARM, QC, 3RD MEMBER HYDRAULICS	90329	2017	3,035	\$325,000
KOMATSU PC290LCI-11	10' 6" ARM, UHF SYSTEM	A29110	2021	444	POR
KOMATSU PC290LC-11	10' 6" ARM, QC, BUCKET, +1 HYDRAULICS	A28014	2018	2,476	\$225,000
KOMATSU PC240LC-11	10' ARM, QC, THUMB COMBO HYDRAULICS	95252	2017	1,890	\$215,000
KOMATSU PC238USLC-11	9' 6" ARM, QC, THUMB, +1 HYDRAULICS	7919	2021	562	POR
KOMATSU PC210LCI-10	9' ARM, QC, UHF SYSTEM	452977	2017	4,858	\$155,000
KOMATSU PC210LC-11	9' 7" ARM, QC, THUMB, +1 HYDRAULICS	C80861	2019	632	POR
KOMATSU PC138USLC-11	8' ARM, QC, THUMB, + 1- HYDRAULICS, BLADE	58548	2021	654	POR
KOMATSU PC88MR-8	QC, THUMB, 12" BUCKET, ROADLINERS	6132	2013	4,187	\$78,000

Prices are subject to change.

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Motor Graders

Manufacturer/Model	Description	Serial No.	Year	Hours	Price
KOMATSU GD655-7	14' BLADE, MS RIPPER	65051	2020	920	POR
KOMATSU GD655-7	14' BLADE, MS RIPPER, TOPCON SYSTEM	65092	2021	312	POR

Off-Road Trucks

KOMATSU HM400-5	ARTICULATED TRUCK, TAILGATE	11260	2019	2,573	\$535,000
KOMATSU HM400-5	ARTICULATED TRUCK, TAILGATE	11211	2019	2,233	\$535,000
KOMATSU HM400-5	ARTICULATED TRUCK, TAILGATE	11941	2021	1,040	POR
KOMATSU HM400-5	ARTICULATED TRUCK, TAILGATE	11940	2021	884	POR
KOMATSU HM400-5	ARTICULATED TRUCK	12047	2021	754	POR
KOMATSU HM300-5	ARTICULATED TRUCK, TAILGATE	10981	2019	2,179	POR
KOMATSU HM300-5	ARTICULATED TRUCK, TAILGATE	11120	2020	2,567	POR
KOMATSU HM300-5	ARTICULATED TRUCK, TAILGATE	10981	2019	2,179	POR
KOMATSU HM300-5	ARTICULATED TRUCK, TAILGATE	10867	2019	3,318	POR

Aggregate Equipment

JCI K300/6203	JCI KODIAK CLOSE CIRCUIT PLANT	P212110	2021	113	\$957,795
KPI-JCI K300/6203	SPOMAC REAR DISCHARGE JAW PLANT	1236509	2021	242	\$717,500
PIONEER FT2650	PIONEER TRACK MOUNT JAW	419466	2021	156	\$735,355
PIONEER GT125	PIONEER TRACK MOUNT JAW	419355	2020	1,031	POR
PIONEER GT125	PIONEER TRACK MOUNT JAW	419658	2022	157	\$531,250
KPI-JCI FT4250CC	TRACK MOUNT IMPACTOR	419309	2020	372	\$812,950
KPI-JCI GT440	TRACK MOUNT IMPACTOR	417939	2018	1,064	\$542,615
KPI-JCI GT440	TRACK MOUNT IMPACTOR	419202	2021	197	\$657,670
JCI 8203-38LP	SPOMAC SCREEN PLANT	S19SCN0437	2019	461	\$335,800
JCI 7203-38	FAB TEC SCREEN PLANT	S15SPT0110	2014	N/A	\$178,450
JCI 6203-32	SPOMAC SCREEN PLANT	S215228	2021	N/A	\$295,000
FAB TEC PRO 1	SCREEN PLANT	P268A20	2020	840	\$114,305
JCI 6203-32	SPOMAC WASH PLANT	S19WPT0428	2019	320	\$337,150
JCI 6X20	TRANSCO WASH PLANT	J5000	2018	N/A	\$329,805
AMS GT165	AMS SCREEN PLANT	214979	2021	522	\$346,820
AMS GT165	AMS SCREEN PLANT	214978	2021	179	POR
AMS GT205S	AMS SCREEN PLANT, 2 DECK, MULTI FREQ.	225140	2022	14	\$443,850
KPI 36"X136'	SUPER STACKER CONVEYOR, 4WD	419872	2022	2	\$313,389
VALE 36"X100'	VALE END FOLD RADIAL STACKER	210741	2021	1	POR
SPOMAC 42PBF	42" PORTABLE BELT FEEDER	BF424239721	2021	446	POR
TRANSCO 32BF	36" PORTABLE BELT FEEDER	1223361	2021	1	POR
SPOMAC MMG14	14'X9' STATIC GRIZZLY	M1133112	2020	0	\$31,474

Forestry Equipment

TIMBERPRO TL745D	BUNCHER, 24/360	TL745D0657041219	2019	3,059	\$480,000
TIMBERPRO TL735D	BUNCHER, 22B360, ESPAR, BIG SEAT	TL735D0859072821	2021	38	POR
KOMATSU PC290LC-11W	WINCH ASSIST MACHINE	A27974	2018	3,431	POR
KOMATSU PC290LC-11W	WINCH ASSIST MACHINE	A27975	2018	3,495	POR

Miscellaneous

ATLAS COPCO QAS95	ATLAS COPCO GENERATOR, SKID MOUNTED	HOP103348	2018	N/A	\$35,000
ATLAS COPCO ROC T45-10	ATLAS COPCO DRILL, 3.5-5"	G18SED0141	2018	2,194	POR
ROADTEC RX600E-3	ROADTEC MILL, 86" DRUM	4039	2016	2,192	\$285,000
LEEBOY 8616B	PAVER	8616141658	2016	1,268	\$80,000
CARLSON CP100II	PAVER	549CB8V	2018	767	\$145,000

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Jerome, ID 83338
(208) 324-4522
Fax: (208) 324-8034

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Kent, WA 98032
(800) 669-2425
(253) 872-3500
Fax: (253) 872-3519

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Spokane, WA 99212
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