

KOMATSU

Wheel Loaders





Harnessing the power of industrial technology to support a sustainable, prosperous future for all.

You move the minerals. We make the machines.

The essential minerals you produce power modern technology, facilitate community growth and move society forward. But these minerals are hard to find and tougher to mine.

Your customers trust you to deliver these resources, so you need an equipment, service and technology provider you can rely on to help keep your operation productive and efficient. Together we can focus on operating safely, productively and responsibly.

Setting the standard for efficiency and productivity

Impressive fuel efficiency

Our machines are designed to give you a lower total cost of ownership. One way is with decreased fuel consumption due to our electric SR Hybrid Drive and power management.

Reduced fuel burn extends engine life and reduced emissions contribute to a healthier environment.

Reduced maintenance costs

Designed with fewer components, the SR Drive system eliminates inefficient mechanical systems. This reduces wear and extends operating life for major components.

With SR Drive, there's no tire scrubbing when turning and loading. It also provides dynamic braking, which prevents mechanical brake wear and maintenance.

Increased productivity

Our wheel loaders' favorable HP/weight ratios facilitate reduced fuel burn and quicker cycle times.

The design of the SR Drive System features a low center of gravity, which increases the machine's stability while loading and building ramps, which keeps your projects moving forward safely.

Lowering your TCO

The integration of the SR Hybrid Drive System in the Komatsu Hybrid Wheel Loader provides industry-leading fuel efficiency and the best torque-to-weight ratio in the market today. Providing up to a 10–15% TCO advantage, these machines keep your costs low and your productivity high.



We trace our history back
to the machines that made history.



The SR Hybrid Drive system delivers power and performance

The advantage of every Generation 2 and Generation 3 machine, the SR Hybrid Drive system comes standard. With independent wheel speed control at all four positions, these wheel loaders are a powerful and flexible resource for your mining operations.

The SR motors/generators are reliable, extremely efficient and maintenance-free. And with the benefit of parts commonality, the power conversion models are identical for the motor and generator.

Diesel-electric drive constant RPM

In addition to assured longer engine life and reduced fuel economy, operating the engine at constant RPM also favorably impacts the performance of the hydraulic pumps and assures that full hydraulic flow is instantly available upon demand.

Hydraulic features

The hydraulic system uses variable displacement axial piston pumps. This delivers flow and pressure compensation resulting in optimum performance, economical operation and high reliability. The hydraulic pump gearbox is shaft-driven and self-lubricating. A conservatively pressurized lubrication delivery network for the entire system promotes an extended, trouble free service life.

Easy-access maintenance

Save time and increase productivity with multiple maintenance-friendly access points. The separated high-voltage and low-voltage electrical cabinets — along with a centralized cabinet that contains the air system controls — provide safety and convenient access for maintenance.

Committed to operator protection and improved air quality

Operator safety and comfort

We support your operators with strategically planned cabin features:

- Ergonomically-designed joysticks
- Two door ingress and egress
- Unmatched loading visibility
- Temperature-controlled and insulated cab



Reduce costs with superior filtration

- Self-cleaning KLENZ filtration system
- Replaceable filter media meets MERV 15 rating
- 5,000-hour filter life achievable
- Filtered air for engine, drive system cooling and pressurized cab



KESS takes it farther

After introducing the SR Hybrid Drive into wheel loaders more than 20 years ago, we've taken tech to the next level with KESS (Kinetic Energy Storage System). The KESS unit has a larger capacity for regenerated energy from braking events, which provides instant horsepower for peak demands helping cycle faster.

Meet the wheel loaders that will make your life easier

Model		Payload	
		Standard	High lift
WE1150-2		34,473 kgs 76,000 lb	31,751 kgs 70,000 lb
WE1350-3		40,823 kgs 90,000 lb	38,102 kgs 84,000 lb
WE1850-3		54,431 kgs 120,000 lb	49,895 kgs 110,000 lb
WE2350-2		72,574 kgs 160,000 lb	68,039 kgs 150,000 lb



Komatsu WE1150

With the advanced SR Hybrid Drive system providing up to 45% fuel savings over comparable, mechanical drive competitors, the WE1150 delivers faster cycle times, superior productivity, lower operating costs and requires less fluid/hydraulics. This is the most environmentally responsible wheel loader in its class.



Komatsu WE1350

Featuring an integrated SR Hybrid Drive system with a first generation Kinetic Energy Storage System (KESS), the WE1350 offers the lowest possible fuel consumption levels, reduced emissions and best-in-class cycle times.

Model	Engine	Truck capacity
WE1150	899 kw 1250 hp	120 to 200 tons
WE1350	11935 kw 1900 hp	200 to 260 tons
WE1850	1491 kw 2000 hp	240 to 360 tons
WE2350	1715 kw 2300 hp	320 to 400+ tons



Komatsu WE1850

The high-performance workhorse of the P&H wheel loader fleet, this machine delivers exceptional productivity and outstanding reliability with low operating costs. Work-proven in coal and hard rock mines around the world, the WE1850 sets the benchmark for wheel loader reliability, productivity and fuel efficiency.



Komatsu WE2350

This colossal machine is by far the world's largest wheel loader. Designed to center load ultra-class 400+ ton trucks with ease, the WE2350 delivers remarkably fast cycle times with outstanding productivity at a fraction of the initial investment cost of large excavators. This super fuel-efficient machine provides the ultimate versatility and flexibility.



Did you know?

Customers count on top-notch performance by WE2350 wheel loaders

Productivity perks

Designed to help you optimize your equipment and team, Komatsu wheel loaders offer superior efficiency and mobility, making them ideal for in-pit blending. Because loaders can serve as back-up for downed machines and don't require support equipment (dozers, graders, etc.), they're a versatile addition to your fleet.

Financial benefits

With an SR Hybrid Drive system wheel loader, you'll realize significant savings in operating costs, maintenance requirements and cost-per-hour. And since Komatsu wheel loaders utilize a reduced duty cycle, you'll experience longer engine life, providing you with further financial rewards.



Simulators advance safety

Your operators will master the entire user experience with our realistic virtual training simulators before they start up a real-world machine. Learning the controls quickly and safely leads to less downtime, fewer accidents and a more productive operation.

In addition, your maintenance staff can learn how to perform standard tasks using our specially-designed maintenance simulator. We're committed to providing resources that contribute to the safety and efficiency of your entire team.

Actionable information with Prevail RHM

With this Remote Health Management system installed on your Komatsu loaders, you'll quickly notice:

- Increased asset performance visibility to help you determine when to intervene — and position you to minimize corrective action cost
- Valuable risk management tools to help reduce troubleshooting time and mean time to recovery
- Benchmarking of key performance indicators to make performance gaps more visible and set in motion corrective measures to maximize productivity
- Operating practices analysis to allow for review and correction of operators not following best practices for optimal productivity

Operational data at your fingertips

The LINC'S II network control system is designed to help you meet the challenges of even the most demanding surface mining applications. The center, dash-mounted LINC'S II interactive touch screen display provides:

- Instant, real-time feedback for operators with a wealth of information to adjust performance according to conditions
- Vital statistics including bucket height and angle, individual bucket payload, cumulative truck loads, elapsed time per loading cycle and total tons moved.
- Standard information, such as available fuel, vehicle speed and coolant temp.
- A clean, crisp graphic format that can be easily configured using the touch-screen display.

Every detail matters!

You deserve the best match of machine to mine — and with our comprehensive line of technologically advanced wheel loaders, that's exactly what you'll get! Komatsu equipment gives you more choices, more payloads and more versatility to help you achieve your productivity goals.

Designed to optimize operating hours, you can count on the robust structural design and high-quality components to meet your needs every single day. More important, you can feel confident knowing that these wheel loaders include globally recognized safety features.

Axle Housings



Komatsu pressurized axle housings enhance reliability by maintaining an air-cooled, dust-free environment for the traction motors and disc service brakes.

Buckets



All Komatsu buckets are SAE rated and can provide full payload in accordance with SAE standards. Wide variety of buckets to meet your needs for coal, rock, combo, lip and ground engaging tools (GET).

The LeTourneau Legacy

The LeTourneau name became synonymous with earthmoving, incorporating technology that was often years, or even decades, ahead of its time. One century ago, R.G. LeTourneau took the first steps toward becoming a legend in earthmoving equipment. This became a part of our story when we acquired Texas-based LeTourneau Technologies in 2011 and began manufacturing all of our wheel loaders in the Longview facility.

Ball and Socket Joints

Designed to absorb and distribute multi-directional stresses, ball and socket joints for the attachment system perform better than traditional pin and clevis systems.



Constant RPM



Diesel-electric drive constant RPM contributes to longer engine life, fuel economy and improved hydraulic pump performance, with hydraulic flow available on-demand.

Planetary Drives

Robust and durable, Komatsu four-stage planetary drives feature full synthetic lubrication and continuous recirculation filtration resulting in long, trouble-free life.



Equipping the world to empower a sustainable future together

Although we've been historically known for our superior equipment, we also provide comprehensive service solutions and fleet management technology.

Committed to enhancing your entire ownership experience, we leverage the intelligence of big data to deliver actionable insights and provide the technology needed to make sure you have the service, tech tools and parts you need to reduce downtime

Komatsu: Leading the way >FORWARD

Tomorrow's mining will demand ever-evolving technology in order to lower costs, raise productivity and drive zero harm. With virtual work sites throughout the world, we're able to develop and deploy the right technology at the right time.

We are Komatsu. We are your global partner.



Watch your TCO drop

With reduced fuel consumption, maintenance needs and replacement costs, your productivity will rise even as your costs go down.

Contact your local Komatsu account representative today.

Komatsu: Revolutionizing the mining industry for a sustainable future

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The Komatsu logo consists of the word "KOMATSU" in a bold, blue, sans-serif font. The letter "A" is stylized with a small square above it.

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