

Second Hand Machinery for Sale - Official Technical Overview & Datasheet

EXECUTIVE SUMMARY

Our portfolio of certified second-hand machinery offers an unparalleled blend of OEM durability and immediate availability for global construction, mining, and agricultural sectors. Each unit undergoes a rigorous multi-point inspection to ensure it meets the high-performance standards synonymous with top-tier manufacturers. This program is designed for operators seeking to maximize return on investment without compromising on reliability, providing access to robust equipment like crawler excavators, wheel loaders, and backhoe loaders .

By choosing our reconditioned equipment, clients benefit from significant cost savings over new units while maintaining operational efficiency. Our global sourcing network allows us to offer a diverse inventory of late-model machines featuring powerful drivetrains and advanced hydraulic systems. From the demanding conditions of open-pit mining to precise agricultural tasks, our second-hand machinery is a strategic asset for projects requiring immediate deployment and proven mechanical integrity .



STRUCTURAL INTEGRITY & POWERTRAIN

The structural foundation of our second-hand machinery is built upon high-tensile steel chassis designed to withstand torsional stress and heavy shock loads in demanding environments. We prioritize units that have maintained their structural integrity, with frames assessed for fatigue and corrosion. This robust construction ensures the machine's longevity and stability during high-capacity lifting and digging operations .

Under the hood, our inventory typically features field-proven powerplants from industry leaders such as Cummins, Isuzu, and John Deere . These engines are inspected for compression and oil consumption, with service histories verified to confirm adherence to maintenance schedules. The powertrain integrates high-efficiency hydraulic systems, often featuring load-sensing and

pressure-compensated pumps. This design optimizes power delivery to the implement, reducing fuel consumption and ensuring precise control, whether for grading or heavy excavation. For a typical mid-size excavator, this translates to an operating weight ranging from 6.3 to 28.7 tons, equipped with engines delivering up to 187 kW of power .

KEY FEATURES & OPERATOR COMFORT

- **ADVANCED HYDRAULIC SYSTEM:** Features a closed-center, load-sensing hydraulic system that reduces parasitic losses and provides smooth, proportional control for precise attachment operation. This system enhances fuel efficiency and ensures consistent breakout force .
- **OPERATOR ENVIRONMENT:** The cabin is engineered to meet ROPS/FOPS safety standards, providing a secure environment. Many units feature ergonomic controls with 7-way joysticks, climate control systems, and advanced suspension seating to reduce operator fatigue during extended shifts .
- **CERTIFIED COMPONENTRY:** Critical components such as hydraulic pumps, final drives, and transmission assemblies are inspected and certified. Our service includes verification of components like the hydraulic quick coupler, ensuring seamless attachment changes .
- **INTELLIGENT CONTROL SYSTEMS:** Equipped with advanced machine monitoring systems, including 3D earthworks technology and on-board

weighing systems. These systems provide real-time data on machine health and productivity, facilitating efficient project management .

- VERSATILITY & ATTACHMENTS: The machinery is prepared for multi-functionality with hydraulic lines for various attachments (e.g., hammers, shears, and pulverizers), allowing rapid reconfiguration for specific job site requirements .

COMPLIANCE & SAFETY STANDARDS

All second-hand machinery is verified to comply with stringent international safety and emission standards. Depending on the model year and origin, units are certified to meet CE marking requirements and EPA emission standards, including Tier 3 and Tier 4 Final regulations for reduced environmental impact . Safety features include certified ROPS (Roll-Over Protective Structure) and FOPS (Falling Object Protective Structure) cabins, ensuring operator protection is maintained to ISO 9001 quality management standards. Additionally, we provide comprehensive documentation, including maintenance logs and compliance certificates, to support regulatory requirements and facilitate seamless importation and deployment.

TECHNICAL SPECIFICATIONS

The following table provides a snapshot of the technical parameters for a typical mid-size heavy machinery unit available in our inventory. These specifications are representative of the quality and capability of our second-hand equipment.

Parameter	Specification (Typical Range)
Engine Manufacturer	Cummins / Isuzu / John Deere
Engine Power (kW)	Up to 187 kW
Operating Weight (kg)	6,000 - 29,000 kg
Hydraulic System	Closed-Center Load-Sensing
Operator Cabin	ROPS/FOPS Certified
Emission Standard	EPA Tier 3 / Stage IIIA