

# Komatsu's new wheeled excavator

Versatility is a key feature of Komatsu's highly adaptable PW148-10 wheeled excavator. This new short tail machine is suited to use on job sites with limited space, such as in towns and cities or on narrow roads with heavy traffic.

Power comes from a Komatsu SAA4D107E-2 engine that is emissions compliant for use in Europe, highly fuel efficient and delivers 90kW, an increase in output over the earlier model. The operating weight of the machine ranges from 13.7-15.6 tonnes depending on the specification.

Stability, a heavy lifting capacity and high productivity are claimed for this new machine. The firm says that all the new excavator's major components, including the engine, hydraulic pump, motors

and valves, have been designed and manufactured by Komatsu. This has allowed an integrated design with closed centre load sensing hydraulics that boost efficiency. The system uses both variable speed matching and low speed matching technology. The

sophisticated engine management has been upgraded for the PW148-10 and the hydraulic system has been updated with a new hydraulic main control valve (cartridge type). Easier to replace and with hardened internal parts, the new valve simplifies

maintenance with better durability and increased life.

The vibration-damped cab is said to be spacious and comfortable with ergonomic controls and a large colour monitor to view operating parameters. The easy-to-use interface of the monitoring system can be accessed along with all essential machine functions on the cab's monitor screen. The PW148-10 is supported by the Komatsu CARE maintenance programme and also features the KOMTRAX fleet monitoring system, which boosts availability, reduces the risk of theft and allows for remote diagnosis by the distributor.

**Komatsu Europe International**

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## MOBA's improved levelling accuracy

The new MOBA-MATIC II levelling control system is said to offer an array of innovative features that improve ease of use and safety. The control handset now comes with a large screen so that the most important value is always within view of the operator. It also has a backlit keypad making working in low, ambient light far easier.



Most importantly, however, is that with a single control panel, both sides of the screed can now be controlled from one screen making it both substantially easier and safer for the user. Another major upgrade has also been made to MOBA's Sonic Ski sensor as it becomes the first device to come equipped with five sensors that more accurately determine the distance to the reference point.

**MOBA**  
[www.moba.com](http://www.moba.com)

## Cat's productive compact loader

Caterpillar is boosting its line of skid steer loaders and compact loaders with four new D Series small-chassis models. These units are the latest additions to the firm's compact track loader (CTL) and skid-steer loader (SSL) ranges.

The SSL 226D and 232D and CTL 239D and 249D all incorporate the innovations from larger D Series machines, including a sealed/pressurised cab, electro-hydraulic controls, redesigned lift arms, and an optional display with rear-view camera. All four machines are powered by a 50kW Cat C2.2 engine that meets Tier 4 Final emissions standards.

The 232D is designed with agricultural applications in mind, and

the 239D and 249D are engineered as strong contenders in the general construction and rental markets. The 239D, with its suspended steel-embedded rubber track, replaces the 247B3 Multi-Terrain Loader (MTL) and delivers lower owning and operating costs for machine owners not requiring the capabilities of the rubber-wheeled, softer track system of the MTL. Further advantages of the new small-chassis SSL models include a two-speed drive system with a top speed of 18km/h for the 226D and 232D and for the CTLs operating weights of less than 3.6 tonnes for the 239D and 249D, allowing transport without a Commercial Driver's License.

The radial-lift 226D and



vertical-lift 232D have standard rated operating capacities of 703kg and 840kg, respectively, increasing to 748kg and 88kg with the optional counterweight. The radial-lift 239D and vertical-lift 249D have capacities of 930kg and 1,043kg, which the optional counterweight increases to 1,020kg and 1,134kg.

**Caterpillar**  
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## Powerful compact breakers

Rammer is updating its compact breaker models with new versions suited to carriers in the 0.8-1.8tonne class. The 90kg Rammer 155 uses the proven power cell design with pressure release system (PRS).

The tools are the same as for the smaller Rammer 111. The unit is offered with a sealed side-plate housing construction that suits it to

rental fleet operations.

The 850kg Rammer 1322 is based on a well-accepted power cell design and housing construction and is suitable for carriers in the 9-15tonne range. A fully sealed flat-top housing encapsulates the field-proven Rammer S29 power cell and it also comes with a wide tool selection. Rammer has extended its

medium range with the addition of the new Rammer 1655 and 2166 models. Like the popular Rammer 2577, these two new models feature a heavy-duty housing, Ramvalve, Ramdata II, VIDAT tie rods and an in-hammer pressure control valve.

**Rammer**  
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