



Weekly overview 3.3. - 7.3. 2025

IMAGE SOURCE: WIRTGEN GROUP, Bell Equipment, Parker Hannifin, Kubota, Hyster®, Metso, Putzmeister Holding GmbH, SANY, igus GmbH

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7 March 2025 by LECTURA GmbH

New pavers and technologies for automated road construction



Addition to the family: Vögele is presenting the first wheeled paver of the dash 5 generation, the SUPER 1803-5 X-Tier, at Bauma 2025.

IMAGE SOURCE: WIRTGEN GROUP

Vögele, part of the **WIRTGEN Group**, unveiled its latest advancements in road construction technology at Bauma 2025 in Munich. The company introduced the SUPER 1803-5 X-Tier, the first wheeled paver of the Dash 5 generation, and the MT 3000-5 feeder. These new machines feature improved maneuverability, ease of use, and reduced emissions. **Vögele** also debuted its all-electric MINI 500e and 502e pavers, which boast zero emissions and long battery life. Automation solutions like the AutoTrac system and Smart Pave digital control were highlighted for enhancing safety and efficiency. Additionally, the WPT Paving tool provides precise documentation and integration with the **John Deere** Operations Center, facilitating better site management. The VR 500 screed, a new product tailored for the US and Australian markets, features extended pave widths and rapid, even screed heating via electric heating elements. [Read more >>](#)

Bell Graders: Impressing operators with precision performance



The G140 is well suited to all maintenance and light to medium construction tasks and is fitted with the ZF ERGOPOWER transmission, which is well respected in the grading application for entry level units.

IMAGE SOURCE: Bell Equipment

Bell Equipment is set to launch a new range of Motor Graders in 2025, marking a significant advancement in their lineup of OEM manufactured equipment aimed at the global construction and mining industries. The lineup includes three models: G140, G160, and G200, designed to handle tasks from maintenance to heavy construction and mining, respectively. These graders boast features such as advanced automation, high-performance Cummins engines, ZF transmissions, and compatibility with HVO and B20 biodiesel, which enhance fuel efficiency and lower maintenance requirements. Additionally, the machines will feature improved ergonomics and visibility for superior operator experience. The global rollout will begin in Africa, South America, and Southeast Asia, with subsequent launches in North America and Europe, and the graders

will be showcased at Bauma. This development underscores Bell Equipment's commitment to innovation and reliability, incorporating years of design experience and feedback from industry testing to meet diverse international standards and operator preferences. [Read more >>](#)

Parker at bauma 2025: Driving the Future of Off-Road Mobility



Parker at bauma 2025: Driving the Future of Off-Road Mobility

IMAGE SOURCE: Parker Hannifin

Parker Hannifin a leading company in motion and control technologies, will showcase its advanced solutions at bauma 2025 in Munich, aimed at enhancing the construction and mining industries towards sustainability, efficiency, and digital connectivity. From April 7-13, Parker's exhibition will feature four key themes: Mobile Hydraulics, Clean Tech, Mobile Digitalization, and Mobile Electrification. These areas focus on increasing

efficiency, reducing emissions, and improving safety and intelligence in mobile equipment. Parker aims to demonstrate cutting-edge developments and its commitment to shaping the future of off-road technology, aligning with global climate and sustainability agendas. Visitors can interact with product demonstrations, expert talks, and discussions highlighting the impact of Parker's innovations in transforming industry standards. [Read more >>](#)

Kubota sets new standards in the 1.5 - 2 Tonne Range with the new U17-5 and U18-5



New U17-5 & U18-5

IMAGE SOURCE: Kubota

Kubota has introduced two new mini digger models, the U17-5 and U18-5, aimed at enhancing performance and operator comfort in the 1.5 to 2-tonne range. These models are particularly noted for their improvements in efficiency, such as using a 20-liter fuel tank with an auto-idle function for better fuel economy and reduced noise, making them suitable for urban environments. The U17-5 features an extendable undercarriage for increased stability and manoeuvrability, and an advanced hydraulic system that allows multi-functional use without affecting performance. Meanwhile, the U18-5 includes enhancements like a longer dipper arm and additional weight for improved stability, while maintaining a zero-tail swing design. These new models follow **Kubota's** philosophy of high performance and reliability, with modernized design and enhanced safety features, reaffirming **Kubota's** dedication to setting new industry standards. [Read more >>](#)

Hyster announces expanded lineup of configurable, high-capacity electric forklifts



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IMAGE SOURCE: Hyster®

Hyster announced an expanded lineup of high-capacity electric forklifts, offering configurability for various heavy-duty applications, including operations in wood, metals, and ports. The Hyster® J10-18XD series incorporates integrated lithium-ion battery power, providing a zero-emission alternative to traditional internal combustion engines while ensuring reliable performance. The series supports different battery sizes, offers long run times, and minimizes energy loss, all configured to match specific duty cycles up to 280kW with a 350-volt architecture. These forklifts feature a Combined Charging System for scalable and cost-effective charging, and a Battery Management System to ensure optimal battery health and performance. The design includes a spacious cabin with adjustable controls for operator comfort and efficiency, sustaining the functionality of traditional ICE models with enhanced visibility. [Read more >>](#)

Metso will bring a strong team of experts and an unbeatable aggregates portfolio to BAUMA 2025



Metso Lokotrack LT400J

IMAGE SOURCE: Metso

Metso is set to showcase its latest aggregates industry innovations at the BAUMA 2025 trade fair in Munich, Germany, from April 7-13, 2025, marking its return after a hiatus in 2022. Celebrating the 40th anniversary of its Lokotrack mobile crushers, **Metso** will present new technologies aimed at enhancing productivity and efficiency. Featured products include the Nordberg HPe Crusher Series, updated mobile crushers and screens, the Metso HRC 8 Crusher, cutting-edge screening solutions, and comprehensive aftermarket offerings. **Metso** emphasizes its commitment to sustainable, efficient operations through digital and quarry solutions, and advanced slurry handling technologies. The exhibition is an opportunity for **Metso** to engage with partners and customers, further driving the industry forward. [Read more >>](#)

Putzmeister is presenting the new SY32 Z5-160 truck-mounted concrete pump together with SANY at bauma 2025



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IMAGE SOURCE: Putzmeister Holding GmbH

Putzmeister, in collaboration with **SANY Group**, will be unveiling the new SY32 Z5-160 truck-mounted concrete pump at the bauma 2025 event. This innovative machinery features a five-arm double-Z fold system, making it suitable for both indoor and outdoor concreting with a low unfolding height of 5.6 meters. Its capabilities include a vertical reach of 31.6 meters and a horizontal reach of 26.9 meters. With a powerful hydraulic system delivering a rate of 155 m³/h and equipped with advanced safety features like the SSC 2.0 support monitoring system, the SY32 Z5-160 offers efficient and secure operation in confined construction spaces. User-friendly additions such as the HBC radio remote control and 10-inch touch display simplify maintenance and reduce downtime. [Read more >>](#)

SANY large machines at bauma 2025



SANY SY135C update – with redesigned cab and further improvements

IMAGE SOURCE: SANY

SANY will showcase its large machinery, including various innovative excavators and telehandlers, at bauma 2025 in Munich from April 7 to 13. Featured models include the SY135C with enhanced hydraulics, the flexible SY155U 2PB short-tail excavator, and the SY215C NLC 2PB crawler excavator designed for confined spaces. Noteworthy electric models include the SY215E, a zero-emission excavator with substantial cost savings, and the SW956E all-electric wheel loader, known for its efficiency and powerful performance. SANY's exhibition focuses on machines offering optimized performance, sustainability, and cutting-edge technology to drive productivity, supported by their expanding dealer network and collaboration with regional partners like **Putzmeister**. Visitors at bauma can explore these machines and receive expert insights at SANY's 3,000-square-meter stand. [Read more >>](#)

John Deere Power Systems to Showcase Diversified Power Solutions at bauma 2025



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IMAGE SOURCE: John Deere

John Deere Power Systems (JDPS) will present a range of diversified power solutions at bauma 2025 in Munich, highlighting its latest advancements in both traditional and electric power systems. The event will feature their Next Generation Engines—JD4, JD14, JD18, and JD9—all offering increased power density and improved fuel efficiency. JDPS will showcase comprehensive aftermarket support, including the Lifecycle Service Solution and **John Deere** Connected Support™, to ensure equipment uptime. Collaborating with KREISEL Electric, JDPS will also demonstrate progress in electrification through prototype battery packs with modular architecture and immersion cooling technology, along with a complete charging ecosystem for

various job sites. This endeavor includes efforts towards sustainable solutions such as renewable fuels and hybrid-electric systems. JDPS aims to address regional differences and promote renewable fuel adoption, strategically investing in technologies to power the off-highway industry sustainably. The showcase will also demonstrate how JDPS is ready to lead this new era of power solutions for industries reliant on off-highway machinery. [Read more >>](#)

Heavy loads are no problem for the new igutex TX3 fibre wound material | LECTURA Press



Especially for applications with high dynamic forces, such as in hoists, the new material igutex TX3 offers an even higher running performance.

IMAGE SOURCE: igus GmbH

igus has launched the igutex TX3, a new fibre wound plain bearing material ideal for heavy-duty applications

in industries such as construction machinery, agriculture, and offshore sectors. The igutex TX3 is designed to handle loads up to 200MPa, offering a longer service life with high dynamic forces compared to previous versions. It is self-lubricating, reducing friction and eliminating the need for external lubrication, thereby enhancing sustainability. The igutex TX3 has been thoroughly tested in igus' Cologne laboratory, achieving excellent results with a Cf53 hard chrome-plated shaft in pivoting applications. Available in standard sizes with options for customization, this product represents a significant advancement in the igutex material family for heavy-duty use. [Read more >>](#)

Source: LECTURA