

Press Release

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RB 65: Versatile multipurpose drilling rig for water, energy and mining

- Mobile multipurpose drilling rig for demanding drilling projects
- Modular design for various drilling methods
- Reduced noise emissions, energy efficiency and an optimized hydraulic system

Munich, Germany – BAUER Maschinen GmbH renowned as a specialist in powerful foundation technology. But the company's product range also includes equipment that goes beyond construction foundations, dam seals, and other applications, setting new standards in a variety of fields. Bauer presented one of these, an RB 65 from the latest generation, at the bauma 2025 in Munich. The mobile multipurpose drilling rig is ideal for challenging drilling projects in the field of water extraction (e.g., aquifer solutions, high-quality drinking water or irrigation wells), energy (e.g. geothermal heat and long-distance energy), and mining (e.g., exploration, raw material extraction, and dewatering).

Technical features and applications

The RB 65 is designed for a variety of geological conditions. Depending on the geology as well as the size and weight of the drilling tool, small-diameter boreholes can be drilled to a depth of 1,550 meters as well as large-diameter boreholes with a diameter of up to 1,200 mm to a depth of approx. 400 m. This makes it perfectly suited for applications such as the development of aquifers, geothermal drilling and raw material extraction.

Modular design and automation

Thanks to its modular design, the RB 65 can easily implement a variety of drilling methods, including direct flush drilling and reverse circulation drilling, hammer drilling and rope core drilling. Its compact design is suited for use even in locations with limited space or that are difficult to access. Furthermore, the RB 65 is equipped with an electric control system, which enhances automation and improves safety. This streamlines operation and reduces potential error sources. In addition, the rig fulfils European safety guidelines in accordance with CE/DIN EN 16228.

Sustainability and digital features

The rig was developed with sustainable aspects in mind: reduced noise emissions, energy efficiency, and an optimized hydraulic system contribute to resource-efficient operation. Furthermore, digital data recording enables precise monitoring of drilling processes, while remote access allows for quick error diagnosis and troubleshooting.

Images of the exhibits (© BAUER Group) can be found in our picture gallery at
<https://bauer.canto.de/v/bauma/>



About BAUER Maschinen Group

For almost 60 years, equipment from Bauer has represented the highest performance and quality and constant innovation. The BAUER Maschinen Group is the world market leader in the development and manufacture of specialist foundation engineering equipment. BAUER Maschinen GmbH, which is also the holding company for a number of subsidiaries, designs and builds large-diameter drilling rigs, duty-cycle cranes, trench cutters, grabs and vibrators as well as the related tooling at its plants in Schrobenehausen, Aresing and Edelshausen. The subsidiaries manufacture state-of-the-art mixing and separation equipment as well as rotary drive systems and equipment for drilling small-diameter boreholes and wells. The BAUER Maschinen Group also operates manufacturing facilities in the USA, China, Malaysia, Italy, Singapore and Turkey. A component supplier within the Group is Schachtbau Nordhausen. The company operates a global sales and service network. More at <https://equipment.bauer.de/en>.

About Bauer

The BAUER Group is a leading provider of services, equipment and products dealing with ground and groundwater. The Group can rely on a worldwide network on all continents. The Group's operations are divided into three forward-looking segments with high synergy potential: Geotechnical Solutions, Equipment and Resources. Bauer profits enormously from the collaboration of its three business segments, enabling the Group to position itself as an innovative, highly specialized provider of products and services for demanding projects in specialist foundation engineering and related markets. Bauer therefore offers suitable solutions to the world's greatest challenges, such as urbanization, the growing infrastructure needs, the environment, as well as water. The BAUER Group was founded in 1790 and is based in Schrobenehausen, Bavaria. In 2023, it employed about 12,000 people and achieved total Group revenues of EUR 1.8 billion worldwide. More information can be found at <https://www.bauer.de/en>. Follow us on [Facebook](#), [LinkedIn](#), [Instagram](#) and [YouTube](#)!