

Press release

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Diaphragm wall technology 2.0: The BCS 185 power pack paves the way for emission-free construction sites

- Modular drive concept: Choice between diesel and electric power pack for flexible applications
- Optimal use of space: Aggregate can be mounted flexibly, ideal for sites with limited space
- Noise reduction: Electric power pack exceptionally quiet, Silent Kit for diesel version
- Deployment during Grand Paris Express project

Schrobenhausen, Germany – Major projects such as the construction of subway stations impose high demands on both people and technology. Particularly in densely populated metropolitan areas, construction equipment must not only operate efficiently but also minimize local impacts such as noise, dust, and emissions. Additionally, limited space conditions require customized solutions. And this is precisely where Bauer's new BCS 185 power pack comes in: It combines the utmost flexibility with a pioneering drive concept.

Modular drive concept ensures flexibility at all levels

The centerpiece of the innovation is the modular drive system. Depending on the project conditions, users can choose between a diesel aggregate or an electric power pack. While the diesel engine allows operation even in areas without grid infrastructure, the electric power pack offers an emissions-free and quiet alternative – ideal for noise-sensitive environments. With its interchangeable modules, the BCS 185 power pack is also prepared for future drive technologies. Another key advantage: The power pack can be placed flexibly at different positions on the equipment or even remotely – an invaluable benefit on sites with limited space.

Silent revolution: Noise reduction thanks to cutting-edge drive technology

Particularly in densely populated urban areas, noise pollution is a crucial issue. The BCS 185 power pack performs impressively in this regard thanks to its innovative design. The diesel aggregate HD 1400 can be equipped with a Silent Kit, while the HE 1400 electric power pack enables a significant further reduction in noise levels. With these innovations, Bauer is setting new standards when it comes to the acceptance of construction projects in sensitive areas.

Proven performance in France's largest infrastructure project

The BCS 185 power pack is demonstrating its impressive performance capacity in active operation on the Grand Paris Express project. Here, diaphragm walls are being constructed at depths of up to 80 m, right in the heart of one of Europe's busiest cities. Thanks to its compact design and rapid operational readiness, the system enables efficient

operations under challenging conditions. Until 2027, it will be used on multiple stations for Line 15, making a crucial contribution to this groundbreaking infrastructure project.

Looking ahead: Emissions-free cutting sites with Bauer technology

The BCS 185 power pack is more than just a technological innovation: it represents an essential step towards emissions-free construction sites. Its modular design sets new standards for the specialist foundation engineering industry, allowing construction companies worldwide to react to increasing demands for sustainability, efficiency, and flexibility.

Video: The BAUER BCS 185 power pack in use on the Grand Paris Express project:
<https://youtu.be/BKXTm7AcVHA?feature=shared>

Images:

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(1) By 2027, the BAUER BCS 185 power pack will be used at several new stations on Line 15 of the Paris metro to carry out diaphragm wall works.



(2) The aggregate can be placed flexibly at different positions on the equipment or even remotely.

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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 Schrobenhausen, 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 Schrobenhausen, 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](#)!