

Small but mighty

A look at the latest features and solutions added to small, compact surface-drilling rig ranges for construction, geotechnical and mineral-exploration applications



Geo-Bohrtechnik using a HBR 203 to drill 406mm-diameter micropiles to 15m depth in an existing building in Blaustein, Germany

▶ HÜTTE BOHRTECHNIK

Hütte Bohrtechnik's compact-class drill rigs HBR 202, with integrated electric motor or diesel engine, and HBR 203, with separate E or D power pack, were designed for difficult drilling conditions in confined and limited areas that require particularly compact and mobile equipment that can still drill big diameters of, for example, up to 324mm and 406mm.

The compact-class Hütte drill rigs HBR 202 E/D and HBR 203 E/D are self-contained, fully hydraulic crawler drill rigs that feature a compact and robust design and simple controls. They incorporate the latest diesel technology, Stage IV/Tier 4 final, meeting the strict emissions regulations of the EU and the US. Furthermore, the units have a hydraulic system. All movements of the drilling unit are softly controllable. According to the manufacturer, this ensures perfect operation even under severe conditions.

Both rigs are fully radio-controlled, which makes operation from various positions possible and offers control over the drill rig according to the latest safety

requirements. These advantages are complemented by the wide performance spectrum of Hütte drill rigs, including micro-piling, anchor drilling, injection drilling and more.

The drill rigs are equipped with telescopic undercarriages that can be extended from 740mm to 1,200mm, as well as a telescopic drill mast with a length of 2,530mm-3,770mm, and an overall feed length of 1,200mm to 2,200mm. Clamping (and breaking) units of a maximum diameter of 406mm can be applied, but also bigger size clamping units up to 610mm have already been incorporated for clients. Together with the newly developed rotary-head type HG28, with a rotation speed of maximum 82rpm and a maximum torque of 27,000Nm, which is compact and powerful, the Hütte rigs are suitable for large-diameter surface drilling jobs that require high torque.

The HBR 202 E/D drill rig features a design with specific mast movements to reach drilling positions for special applications.

