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larger air compressors may be regulated back to lower settings when running the A hammers, without experiencing loss in penetration rates, it said, adding that such lower compressor settings translate to lower fuel usage and reduced operating costs.

It also claimed that an innovative new design philosophy, unique to Rockmore hammers, reduced the number of hammer components, therefore reducing the amount of component wear points and making hammer service simpler and less expensive.

**BAUER** will be launching its new Value Line and Premium Line classification of BG drilling rigs. The Value Line is optimised for Kelly drilling while the Premium Line is a high-end range incorporating multifunction rigs for a wide variety of applications.

The Premium Line range extends from the BG 12 up to the BG 50. It enables all rotary drilling techniques and ground improvement techniques to be implemented, including Kelly drilling, pile drilling, soil mixing and trench cutting.

All Premium Line rigs can be fitted with a Tier 4 Interim engine, although a standard Tier II or III engine is still available for all models intended to be used in markets where emissions are not as highly regulated.

Bauer will also have the latest version of its BC series trench cutters on show – the BC 35. Mounted on a Bauer MC 96 cable excavator with a rotation mechanism, it is capable of 58m cutting depth without rotation and 48m with rotation.

Bauer's subsidiaries will also be presenting new machines at the show. **PRAKLA BOHRTECHNIK** will be showcasing its RB-T 90 deep drilling rig, which can drill down to 3km, while **RTG RAMMTECHNIK** will be showcasing its new RT 21 T pile-driver and RIM 20 drill rig.

The RM 20 is a completely new rig from RTG, designed specifically for hydraulic hammer applications and featuring a 20m length. The machine's telescopic mast can also be tilted 18.3° in all directions.

**SOILMEC's** stand, meanwhile, will feature new products that will be introduced to the market during the course of 2013, including



**LKAB Wassara** will be showcasing a range of water-powered drilling equipment at the show, both for foundation works and exploration drilling



**Liebherr says the LB 44 can be set up rapidly using the quick assembly system**

continuous flight auger and full displacement tool. The powerful rope crowd system with around 56 tonnes pull force allows use of the entire length of the leader. This is said to provide the operator with maximum performance and reliability even with the most difficult soils and extreme operational conditions.

Liebherr said that advantages of the new rotary drilling rig included its easy transportation and the short period of time between set-up and operation. As the leader can be folded back for transportation with all hydraulic hoses connected, no disassembly is required when moving between jobsites. The LB 44 can be set up rapidly,

therefore, using the quick assembly system.

If required, the LB 44 can be disassembled into single parts weighing up to 40 tonnes.

The direct mounting of all winches on the leader allows for a direct view from the operator's cab to the main winch and ensures that the ropes do not move during leader adjustment. Moreover, the undercarriage is said to provide more stability thanks to long crawlers, while still providing nearly the same small swing radius as the smaller rigs of the same product line. **ce**

its new generation of SR drill rigs for large diameter piles.

The new rigs are installed with Tier 3- and Tier 4-compliant diesel engines and are fitted with more powerful and lightweight rotaries with torque increased by up to 20%. The company claimed that flexibility had been increased thanks to a new winch version pull down system that could be switched quickly, increasing the machine's adaptability to different applications.

Meanwhile, Soilmec's new SM-8, SM-14, SM-16 drill rigs will also be on show, featuring crawler undercarriages with tilting gauges for improved agility and stability. Like the SR range, these rigs can also be powered either by Tier 3- or Tier 4-compliant engines. The SM rigs are also equipped with remote controls for operating at a distance.

Bauma will also see Soilmec exhibiting the new Cougar SC-100 hydromill – a machine that can cut down to 250m to support construction of diaphragm walls.

**LKAB WASSARA** will be showcasing a range of water-powered drilling equipment at the show, both for foundation works and exploration drilling. Said to be well-suited for drilling operations in sensitive areas, the company's water-powered hammers support the drilling of long, straight holes at minimised energy costs.

The LB 44 rotary drilling rig being presented at Bauma is the latest development in **LIEBHERR's** range of deep foundation products, and expands the LB series at the upper end of the scale.

The LB 44 rotary drilling rig weighs approximately 160 tonnes and has been designed for drilling diameters of up to 3m and drilling depths of maximum 92m. The rig is driven by a V8 diesel engine offering 505 kW and complying with the Stage IIIB emissions regulations.

Possible applications for the LB 44 include Kelly drilling, drilling with double rotary head,

**Soilmec's SR-90 drill rig – part of the manufacturer's new SR generation of rigs for large diameter piles**

