

DRILLING

Critical equipment



Rockmore International's new T series DTH hammer uses drill bits with standard shank connections, but does not require Blow Tubes/Foot Valves.

foot-pounds (47 – 81 Nm) of impact energy at 5,000 to 6,500 blows per minute.

Another important feature is that Brokk has integrated the rock drill's controls into the robot's. "Operators can control the Brokk and the TEI drill with a single control rather than one for the machine and one for the attachment," Mr Bigwood said. "This makes the Brokk and drill combination more convenient and practical, and also frees up an extra worker who normally would be required to operate the second control."

Meanwhile Rockmore International has launched its T series down-the-hole (DTH) hammer line,

CS Unitec's EBM 352/3 PSA rig-mounted core drill is ideal for drilling up to 14 inch (355 mm) diameter holes in concrete, reinforced concrete, asphalt and natural stone. The company says it is the lightest drill in its class at 77 lbs (35 kg).



Doosan has expanded its range of compressors available in the Middle East and Africa, to include two models specifically for drilling applications. Pictured is one of these, the XHP900.

the first model being the ROK 600T. The new T series uses drill bits with standard shank connections that no longer require plastic parts commonly known as Blow Tubes or Foot Valves. Rockmore said the elimination of this part offers technical and economical advantages, with better reliability without any compromise on performance.

The company said that although such "Tubeless" DTH hammers have been offered before, drilling performance was often compromised when designed to operate with an industry standard bit shank. Such products have also often used bits with a proprietary design, which limits their availability.

Pejman Eghdami, executive vice president of Rockmore International said, "With our emerging T class DTH hammers, we are offering the drilling community a balanced solution of improved reliability without compromising any drilling performance. Impressively, we have achieved this by incorporating standard industry shank connections into the overall design concept."

The ROK 600T is a 6-inch (152 mm) rated for drilling 6.1-inch to 7.0-inch (155 to 178mm) diameter holes. It is also suitable for water well drilling. It accepts the industry-established QL60 bit shank model, but with the Blow Tube/Foot Valve removed. The corresponding bit connection for this hammer is designated by Rockmore as QL6T, which has an identical shank design to the QL60.

Meanwhile, Doosan has expanded its compressor offering in the Middle East and Africa and can now supply units from 185 to 1500 cfm (5.0 to 42.5 m³/min) at output pressures from 7 to 35 bar. The range includes models with engines compliant to Tier 1, 2 and 3 exhaust emissions regulations, so machines can be chosen to suit different countries' regulatory frameworks and the fuel quality levels available.

For quarrying, deep drilling for oil and gas exploration, water well drilling and pipeline work, as well as foundation drilling in general construction, Doosan offers a number of different models, such as the XHP900WCAT-T1 and XHP1070WCAT-T1 models. These have free air deliveries of 900 cfm (25.4 m³/min) and 1070 cfm (30.3 m³/min), respectively, at an output pressure of 24.1 bar.

IC

South African first

First high performance Chicago Pneumatic compressors touch down

Chicago Pneumatic has delivered two CPS 950-10 portable compressors to South Africa's Retrofit Compressed Air Services. The machines will be used for abrasive blasting applications in the Gauteng, Mpumalanga and the North West provinces.

The compressors provide an air flow of up to 950 cfm (27 m³/min) at a working pressure of up to 10 bar. This makes them suitable for a range of applications, including ground engineering and foundation drilling on construction sites, and blast hole drilling in mining areas.

Retrofit is supplying the units on to rental company Thembeke Air. Wayne Herholdt, managing director of Thembeke Air, said, "These high-pressure portable compressors will have a variety of applications but the most common will be abrasive blasting. I have mentioned the arrival of these units to some of our customers and they're very excited. The fact that the units deliver working pressure of up to 10 bar opens a lot of possibilities for both Thembeke Air and our customers."

Robert Labuschagne, owner of Retrofit Compressed Air Services, added, "I'm very proud to have placed the first order in South Africa for the CPS 950-10 portable compressor and I am certain that it won't be the last. These units will very quickly prove themselves among users and I'm sure that further orders will follow."

