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PYTHON Processing Plant

Boart rolls out RC6 drill and Ultramatrix bits

Boart Longyear has released the RC6 drill, which it described as "a lightweight and compact reverse circulation (RC) rig that also offers versatile coring, down-the-hole-hammer (DTH) and rotary drilling capabilities".

The drill has been engineered for "fast set-up on site, superior mobility and powerful performance".

Boart Longyear's global product manager for capital equipment, Justin Warren, said "The RC6 has a lot to offer to drillers that require a versatile rig, and contractors will be able to increase productivity and save a lot of time with this powerful drill".

With robust steel crawlers and an optional radio remote control for driving, the RC6 can be driven on slopes up to 30° while the operator maintains a safe distance from the rig when unloading or driving on uneven terrain.

The rig also has an optional trailer-mounted cyclone and splitter that can be towed behind the drill rig for flexibility and ease of mobility on site.

Weighing only 8t, the rig delivers 5.5t of pullback and features a rotary head with up to 6,540Nm of torque.

The Deutz air-cooled diesel engine has 72kW (96HP) and has a 4m feed-stroke.



Ultramatrix diamond-coring bit

Mr Warren said "this versatile drill is perfect for small start-up mining ventures, or for use on drilling sites where space is limited".

Boart Longyear also recently launched its advanced Ultramatrix (UMX) diamond-coring bits, which, the company said has "several technologically advanced features".

The bits, according to Boart Longyear, "make diamond coring more efficient than ever before".

The UMX bits are engineered "to drill faster, last longer and out-perform existing bit

technology in a wide range of drilling conditions and ground formations".

The company's global product manager, Matthew Baird, said "drillers demand extreme performance, and we developed this new technology using customer feedback and testing at sites around the globe, in the most remote locations and in the harshest drilling conditions, in order to provide a diamond coring bit solution that far exceeds expectations."

The UMX bits feature Boart Longyear's advanced metallurgical formulas and Razorcut face design.

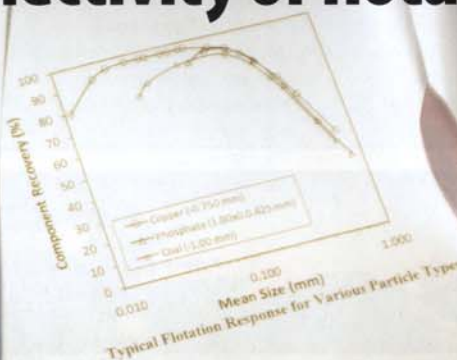
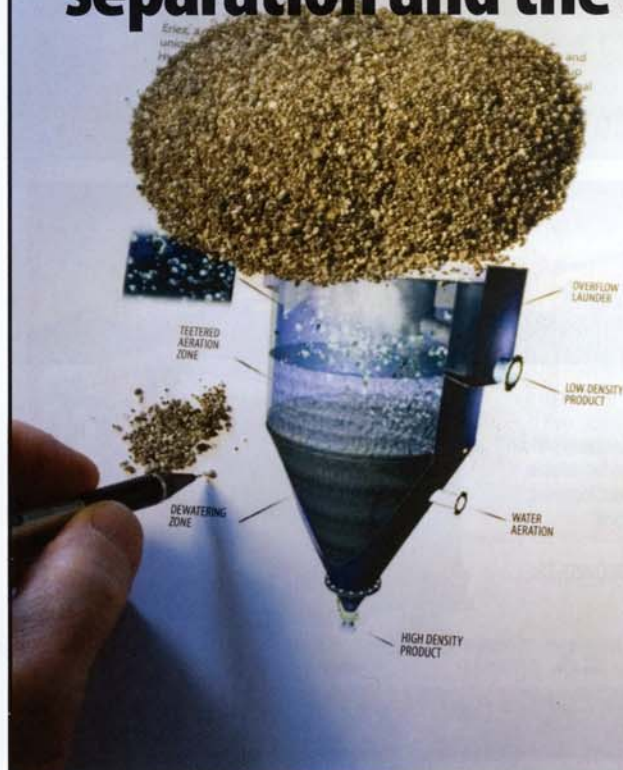
The technology impregnates large synthetic diamonds within a highly engineered, proprietary metallurgical formula, creating a crown matrix that is optimised for longer bit life and increased penetration capabilities, turning easily from one ground formation to another.

The new bits also feature the advanced Stage waterway design, which allows crown heights up to 25mm (claimed to be the tallest in the industry), increasing productivity and extending bit life even further.

The Twin-Taper windows "dramatically improve surface flushing, forcing debris through the windows while keeping the bit face clear and reinforcing the inner-diameter".

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