

Affordable saws for entry level contractors

Small and emerging contractors that specialise in working on projects involving roads and bridges can benefit from a range of specialised concrete saws available in the local market through Diamond Products – a specialist in the manufacture, assembly and sale of diamond tools and equipment for industrial applications.

DIAMOND PRODUCTS DIRECTOR Brian Clark notes that the recently introduced DP 75 H wall saw is an ideal option for the clinical non-destructive removal of concrete to create openings in the civil industry applications. "The saw consists of an 800 mm diameter blade, which can cut reinforced concrete and masonry to a depth of 320 mm. Another feature is a high frequency motor can be disconnected from the machine in less than two minutes without the need for any tools, in order to reduce the carrying weight for the operator."

Clark explains that the saw comprises of a cutting head, tracks and power pack, which are manufactured from a torsion rigid aluminium, with stainless steel taper gibs, while power transmission is achieved by an oil-lubricated gear with an integrated overload clutch in its rotating arm. "The blade and the feed operations are electrically driven by a three-phase 380V motor, which eliminates the need for costly, bulky hydraulic power packs onsite."

According to Clark, the electric motor is a high-cycle motor, which provides greater watts to increase the power of the saw without sacrificing its lightweight. "The saw is

easily portable, making it suited to the African market where more and more jobs are done in confined spaces. Due to its fast set-up, the DP 75 H wall saw provides improved productivity, while its electric design eliminates leaks that occur when many hydraulic wall saws are used."

Diamond Products co-director Darryl Gray notes that the DP 13 HP-400 concrete saw is another suitable option that is more competitively priced than similar competitor products, while maintaining the highest standards of quality. "The machine can be fitted with blades as large as 400 mm, thereby ensuring respectable cutting depths, and is ideally suited for repairing pot holes and cutting neat curbs or trenches across roads for pipe laying," he explains.

Gray highlights the fact that the DP 13 HP-400 concrete saw is powered by a 13 hp Honda engine, which provides customers with further peace of mind with regards to reliability and parts availability. "The simplicity of the machine is another major advantage to smaller contractors, as it has a minimal amount of moving parts, and can be easily loaded onto the back of a bakkie. The DP 13 HP-400 concrete saw is completely stand



alone and even houses its own water tank to keep the blade cool in rural conditions where water supply is difficult to come by."

According to Gray, a super-rigid box frame ensures straight cuts while resisting warping and vibration, which ultimately prolongs the life of the saw and the blade. "Additional features of the DP 13 HP-400 concrete saw include; ergonomically designed height adjustable handles and easy crank for raising and lowering cutting depth, in addition to a hinged front lift-up blade, which is designed to provide easy replacement," he continues.

The new DP 13 HP-400 concrete saw fits in perfectly with Diamond Products MAX range of cutting blades, which offer increased value-for-money, due to the fact that it comes standard with a 14 mm diamond segment, as opposed to the industry standard of 10 mm.

"In the plant hire industry, it is important to stock equipment that is reliable and durable, and the 14 mm diamond segment ensures a significantly increased lifespan for the blade, thereby providing the plant hire company and its clients with a high quality and cost effective floor cutting product," notes Clark.

The Max Blade range, which is capable of reaching a cutting depth of 125 mm on concrete and tar surfaces, is ideally suited to medium sized applications that do not require large capital equipment. Gray notes that over the past 20 years, the construction industry has moved away from owning small plants in order to save on overhead costs. "This means that small plant hire has developed into a big industry in South Africa and, thanks to the innovation and quality of the Max Blades range, Diamond Products is able to satisfy the needs of both the supplier and the contractors."



Brian Clark (left) and Darryl Gray.



ABOVE: DP 75 H wall saw. FAR LEFT: Floor saw – 13 hp.
LEFT: DP 75 H wall saw control unit.

Clark adds that all distributors of the Diamond Products brand are fully trained in the various applications of the product, and that in-store training is also available to consum-

ers. "Diamond Products prides itself on supplying the highest-quality product offerings to the South African market, and is the only company in the industry that offers free customer training as part of its after sales service package. This provides a comprehensive solutions package to meet all requirements." ●