



UNBALANCED MOTORS

FOR AFRICA'S HARSH OPERATING CONDITIONS

Specialist vibrating equipment supplier Joest South Africa has launched an exclusive range of unbalanced motors specifically for Africa's harsh operating conditions. "Our philosophy of 'Engineered Solutions' ensures that we fully understand each customer's specific needs, delivering a customised solution, which ensures that downtime is reduced dramatically," Kim Schoepflin, Managing Director, says.

The unbalanced motor range has been developed in partnership with the most established European-based vibrating motor manufacturer, which has over 55 years' experience in this field. "Our extensive operating experience and reference base in Africa allowed us to factor in various design improvements to extend the uptime on our customers' vibrating equipment, as well as improved ease of maintenance," Schoepflin says.

The new IP 66-rated unbalanced motors feature enhanced water ingress protection, a rigid stator housing and an increased mounting area for more secure bolting. This is in addition to increased life and efficiency via the development of a replaceable stator pack, which removes the need for rewinding. Rewinding results in a loss of efficiency and thus reduces the life of the equipment.

"The overriding benefits are increased uptime, resulting in greater tonnage throughput, while ease of maintenance boosts the reliability," Theresa Walton, General Manager: Service at Joest, says.

"We can confidently offer our customers up to two years' warranty on the proviso that they enter into a full vibrating equipment service agreement with us, which is also quite a benefit," Schoepflin says.

The major advantage of such service contracts for our customers is that we are not just responsible for the maintenance, but are able to offer the whole package."

The unbalanced motors are available in four, six and eight pole configurations, with torque ranging from 100 to 2 050 kg/cm, up to 690 V. "An important consideration with the new motors is that this unbalanced motor range matches the footprint of our previous unbalanced motor range in order to allow for continuity," Schoepflin says. "However, larger custom specific requirements can be met."

Joest South Africa is a locally owned OEM that designs and fabricates vibrating screens and feeders in-house. It has a 39-year track record of developing and supplying products for the African mining bulk materials handling market.

Joest South Africa's custom-designed vibrating equipment is engineered for tonnage, meaning that the equipment is characterised by its robustness and longevity in support of improving the customer's uptime. "We make a difference to our customers by means of unique engineered solutions, which means the lowest cost of ownership for our customers," Schoepflin says.

The company is committed to providing a fast turnaround time, with 24/7 customer service through its comprehensive network of service centres and branches located in all of the major mining areas in South Africa, in addition to a significant stockholding of OEM parts, which includes Joest South Africa's unbalanced motor and exciter gearbox range.