

Joest South Africa launches new unbalanced motor

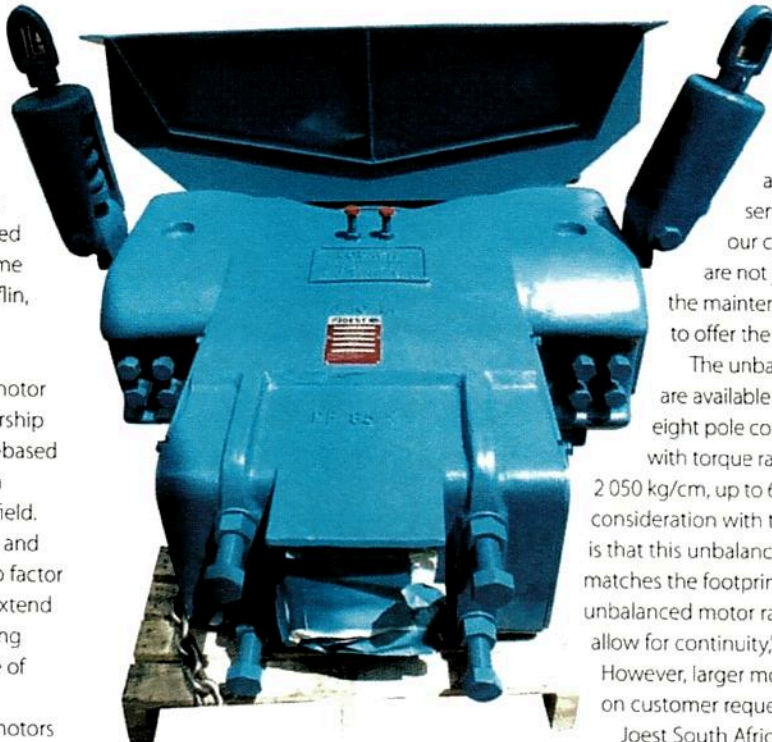
Specialist vibrating equipment supplier **Joest South Africa** has launched its new unbalanced motor, electromagnetic drives and improved exciter gearboxes specifically for Africa's harsh operating conditions.

"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, Joest South Africa MD, tells **MINING REVIEW AFRICA**.

The company's new 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.

This results in retaining efficiency of the motor at 'as new' levels and significantly enhances the performance of the motor over an extended life. "The overriding benefits are increased



The SFH range of electromagnetic drives is designed for feeding bulk materials at a controlled rate

uptime resulting in greater throughput tonnage, 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.

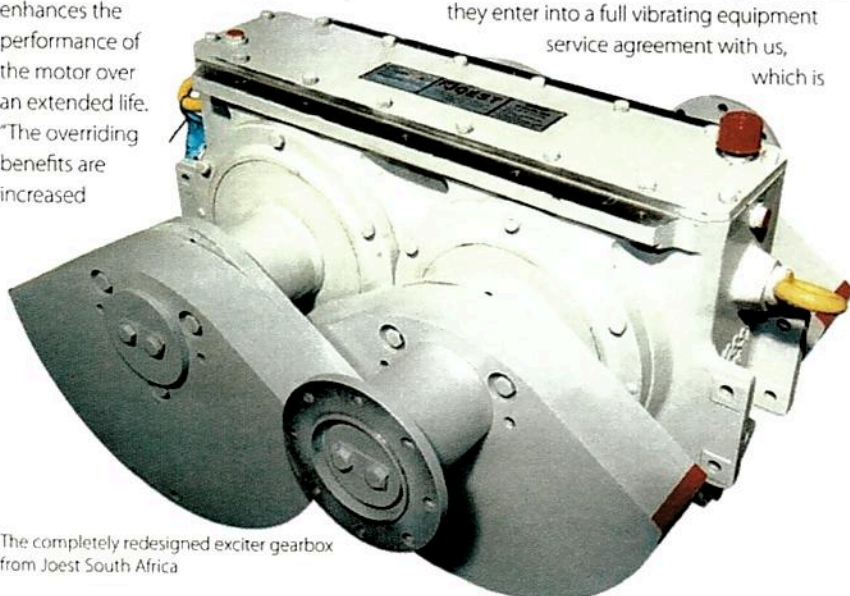
However, larger motors are available on customer request.

Joest South Africa also supports its range of locally, in-house manufactured SFH electromagnetic super feeder drives. In addition, it will be importing a range of smaller electromagnetic drives exclusively from Aviteq of Germany. The SFH range is designed for feeding bulk materials at a controlled rate from stockpiles and hoppers to bulk materials handling equipment such as belt conveyors, crushers and screens.

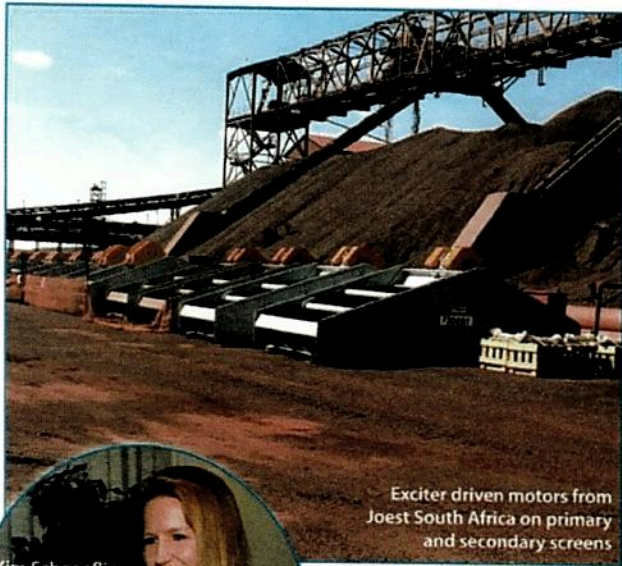
"These are designed for use in medium to heavy applications such as quarries, coal plants, steel works and the chemical and food and beverage industries, as well as food-processing plants," Walton says. "The Aviteq range of electromagnetic drives is particularly suited to standard volumes where a high dosing accuracy is required," Walton adds.

Joest South Africa has been appointed the exclusive distributor for Aviteq, formerly AEG, products in Africa. The range includes electromagnetic drives and controllers.

The Aviteq drives are especially useful for smoother stop-start operations, as opposed to using exciter gearboxes and unbalanced motors, which have a more immediate stop action. "This is extremely useful, for example in a food processing company



The completely redesigned exciter gearbox from Joest South Africa



Exciter driven motors from Joest South Africa on primary and secondary screens



Kim Schoepflin, MD of Joest South Africa

where precisely measured ingredients are required for each batch. The Aviteq drives can control these ingredients down to the kilogram," Walton explains.

Joest South Africa has also introduced a totally redesigned exciter gearbox, taking into account input from

mining customers with regard to increased uptime and reliability resulting in greater tonnage throughput. It is fully compatible with the previous model sold.

"It is important to note that the old and new models can be included on a single piece of vibrating equipment," Walton says.

Major design improvements include an enhanced housing design that provides for longer in-service life. This is in addition to thicker mounting feet and stiffer ribs, as well as rigid weight cover mountings. The internal components feature improved tolerances and surface finishes. The material is cast specifically to Joest South Africa's specifications for robustness. The new exciter gearbox is assembled in-house at its newly expanded exciter gearbox assembly and refurbishment facility.

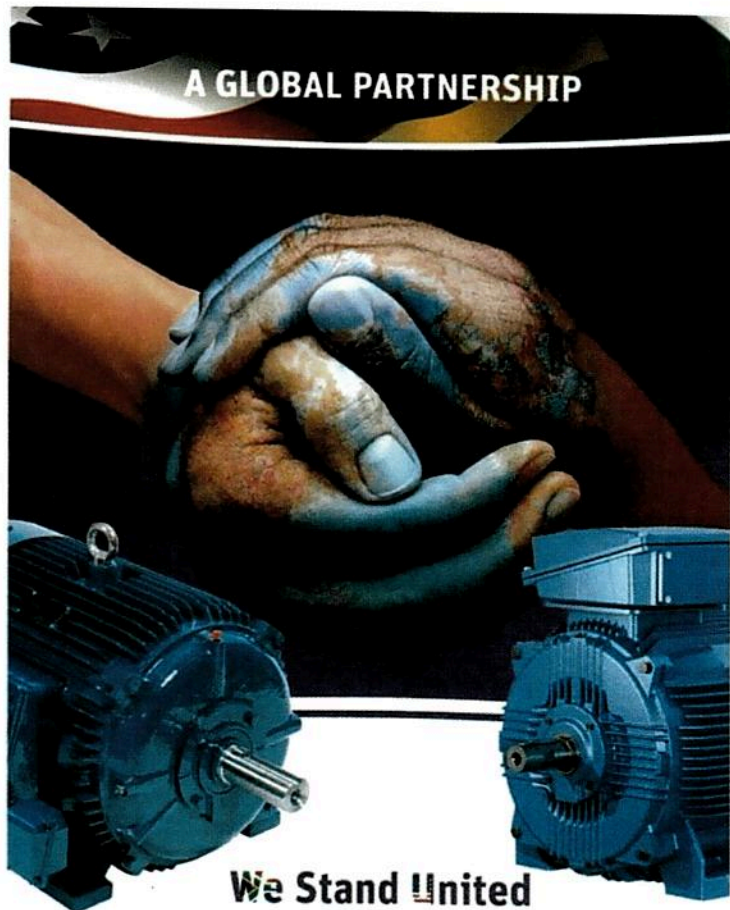
“ We make a difference to our customers by means of unique engineered solutions, which means the lowest cost of ownership for our customers”

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.

The company'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 notes.

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. **MIRA**

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