

# MODULAR PLANT INSTALLED IN CHINA

Osborn's locally designed and manufactured modular plants are making their mark as far afield as China, marketing director Martin Botha reveals.

The Johannesburg-based equipment manufacturer has successfully completed the installation of a modular plant to process iron ore for Bayi Steel's Dunde Plant, located near Ürümqi City in China's Xinjiang province.

Botha says that this was Osborn's second export order to China, and that it reflects this proudly South African modular plant's ability to withstand the most testing operating conditions.

"The Dunde iron ore processing plant is situated 3 500m above sea level and the temperature goes down to minus 40. It only operates between May and October, due to severe weather conditions. Our machines' power packs have been installed with heat packs and up-rated electric motors to cope in high altitude," he explains.



Osborn modular plant operating in testing conditions at the Dunde iron ore processing plant.



The Osborn modular plant in China.

The Osborn modular plant – which Botha says has replaced a locally made kit at the Chinese facility – comprises a primary Osborn jaw crusher, secondary cone crusher, screen and tertiary cone crusher.

With a capacity of 300tph, the Osborn plant produces a nominal -12mm product. Osborn won this R20m export order to China amid stiff competition from leading global players, he states. The company partnered with a China-based operation that manufactured the plant's conveyors.

"This was a ground-breaking order. It is an exciting and significant development to see a South African machine shipped to China, and it reflects the exceptional quality of Osborn's equipment," Botha concludes.

# NEW SCREEN TECHNOLOGY FOR COAL SECTOR

Locally owned and operated vibrating equipment specialist Joest Kwatani reports that new to the coal industry is its 4.3m-wide banana screen, which fulfils the industry's need for more efficient, high throughput equipment.

A coal-sizing screen in the Joest Kwatani works.



The new screen design, incorporating the latest technology and refinements, addresses the failure modes of existing 4.3m-wide screens, says Kim Schoepflin, MD of Joest Kwatani.

"It also offers reduced downtime and ease of maintenance, a critical consideration owing to the large scale components involved. The new screen also focuses on critical issues, such as lifespan and structural integrity," she adds.

As a household name in the coal sector, Schoepflin says that Joest Kwatani has become the preferred equipment supplier to one of South Africa's largest coal preparation plants close to Lephalale in Limpopo.

"One of our 1 500t per hour single deck vibrating screens (3m wide by 9.8m long), installed in 2005, is still operational today and proof of our equipment longevity excellence."

The company also has two of the longest single-deck banana screens used in coal-sizing installed at a colliery in Secunda measuring 3.66m wide and 10m long.

More recently it replaced ageing competitors' screens with two 650tph double-deck exciter-driven ROM sizing screens at a Delmas, Mpumalanga-based colliery. "The fast turnaround time of less than six weeks from the date of order contributed to maximised uptime and productivity," says Schoepflin.

"We remain focused on delivering sustainable, engineered-for-tonnage mining solutions to one of the mining industry's most significant sectors – coal – which will remain the primary source of energy across the globe for decades to come," she concludes.