MINING AND METALLURGICAL TECHNOLOGY

Hammering home technology improvements

The new Secoroc Fusion is an all-round general purpose DTH hammer available in six models covering hole sizes from 130 to 560 mm. This series offers drilling operators a reliable and field proven hammer for those applications where acquisition economics are the priority decision factor. For drill holes down to 250 m depth, the new generation of Secoroc Fusion series hammers provide a balance of performance and price.

This series is based upon a combination of the field proven workhorse -the DHD hammer- and successful technology from the Quantum Leap series. This means Secoroc Fusion gets the best of both worlds. For example, it features a reversible hammer case for longer service life and a valveless air cycle for high reliability in demanding applications. The robust 12-spline QL shank, now standard on all new Secoroc hammers, facilitates better bit grip, less spline wear and better chuck service life. Add to this improved penetration rate and excellent water-handling and deep-hole characteristics and the new Secoroc Fusion hammers are ideal for a multitude of applications.

www.atlascopco.com/secoroc

Industrea shield haulers to China

Industrea's growing reputation as a leading provider of mine productivity and safety equipment has seen it secure another contract in China, winning a $5.3 million contract with the important coal mining company Shenhua Ningmei Group Material company. Industrea will provide four 50 t longwall roof support carriers. It is the first sale to Shenhua Ningmei, which is part of the massive China Shenhua Energy Co, an existing Industrea client.

Industrea managing director and CEO Robin Levison said this new contract means Industrea has secured in excess of A$60 million in new Chinese contracts since June 2008. "Industrea's outstanding reputation as a supplier and servicer of mining productivity and safety equipment means we are continuing to see our products populating all areas of the Shenhua Groups operations," he said.

"In this case Shenhua Ningmei Group Material Company has taken its lead from its parent company which has been extremely impressed by the performance of our equipment. Having a strong reputation in this area is especially important with the Chinese Government placing increased emphasis on productivity and safety in its recent, 11th Five -Year Plan.

"With China's demand for energy unabated and its mining sector showing exceptional resilience, China will continue to be an area of growth and profitability for Industrea with the strong demand for safety and productivity equipment expected to continue for both the current and next financial year.

"Aligned with Industrea's internal budget forecast, certain future additional Chinese sales contracts completed during the remainder of the current financial year will be delivered and revenue recognised in the next financial year."

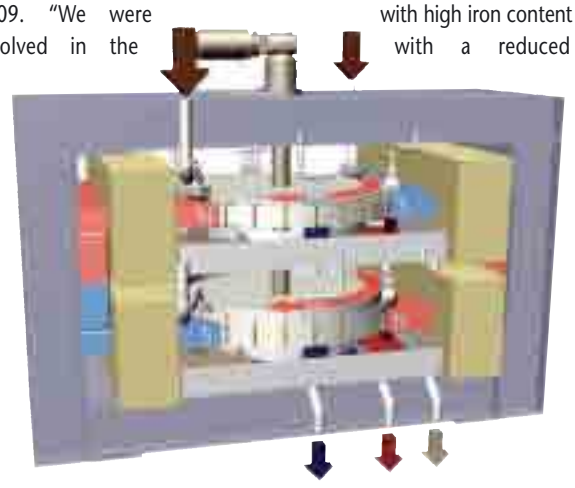
www.industrea.com.au

More alljigs to India

Together with Indian partner Hari Machines, allmineral has convinced yet another major Indian company of the quality and performance of its processing equipment. Jindal Steel & Power Ltd (JSPL) has ordered a total of 14 machines to expand an exiting operation beneficiating haematite ore in the Sarda mines in the Orissa Province.

Eleven air-pulsed alljig® jigging machines and four gaustec®-3600 magnetic separators will allow JSPL to process low grade iron ores into products with iron content suitable for the market. In the 1,500 t/h plant, five alljig G-2200s and six alljig F-2500s will be used to process grain sizes of 5 to 30 and 1 to 5 mm respectively. The gaustec magnetic separators with a throughput of 200 t/h each will upgrade the material with a grain size below 1 mm.

The plant expansion should be completed in the third quarter of 2009. "We were involved in the process development from the start and developed the concept for the new plant together with the client based on numerous pilot tests", allmineral CEO Dr Heribert Breuer explained. Two issues were critical for JSPL: to establish a beneficiation plant with maximised product yield and to recover not only a product with high iron content but also with a reduced Al_2O_3 content. The rejects from the jigs and the first WHIMS stage will be reprocessed in the next sorting step after recrushing and regrinding.



Schematic of the operation of a gaustec machine

The lump and sinter feed products will serve the Jindal blast furnace plants. Concentrate with a grain size of less than 1 mm, after further grinding (< 40 µm), will be used on site in a 4 Mt/y pellet plant, which is under construction. Depending on feed quality, the total production for the plant will be between 8 and 9 Mt/y.

The modernisation of the Sarda Mines plant is part of a multi-billion investment program with which JSPL is expanding the capacity of its steel plants, power stations and mines. The company, founded in the early 1950s, has an annual turnover of about $4 billion and is the third-largest steel producer in India. It mines coal and iron ore in India, the USA, Indonesia and, soon, also in Bolivia.

www.allmineral.com