

FOR IMMEDIATE RELEASE

Multotec's Real-Time Interactive Experience At Electra Mining Africa

A stalwart at Electra Mining Africa (EMA) for over 35 years, the Multotec Group is well known as a supplier of superior products and services to the mining industry. To add to the customer experience, the group will use EMA 2014 as a platform to showcase its entire offering in a participative and educational manner.

Exhibition visitors will be able to view scale working and static models as well as cutaway exhibits of Multotec's equipment. In addition, real time data from condition monitoring and other measuring activities will be available for review by visitors. Experienced Multotec engineers will be on hand to talk customers through these processes in a truly interactive style.

Since training forms such an integral part of the Multotec Group offering, the group's skilled training personnel will be present to demonstrate this vital value add service for customers, given the critical skills deficit the world is currently experiencing.

Multotec's depth of technology expertise can be experienced first-hand on the group's outside stand. Customers will have access to some of the 21st century technologies that position the group as a leader in its industry sector, such as aspects of 3D modelling used in research and development. Of particular interest is the 3D printer which will be used to print screening panels.

SCREENING MEDIA

One of Multotec's exhibits will address predictive maintenance on screens. The human eye cannot discern the amount of wear on a screening surface and plant operation needs vary with regard to cut size or the wear rate on a specific panel type. Multotec's solution makes it easier to determine cut size and the remaining panel life through the employment of the patented Wear Indicator.

The production process starts by accurately moulding a series of small holes at predetermined and equally spaced depths below the screen's wear surface. Once the panel is in operation and a hole is exposed through abrasion, it is simple to estimate remaining panel life because of the relationship between wear rate and depth. Managing screen downtime is simplified and the elimination of

unnecessary panel replacement, because the system allows panel change-out to become predictive rather than reactive.

Another innovative product is the TeePee™ screening media panel, which is ideal for dewatering and slimes removal. It increases the screening surface, improving the panel open area, for a resultant increased screening capacity without any changes in the footprint. Multotec's test rig will demonstrate the improved drainage of the TeePee™ panel over conventional panels.

A scaled model of various screening media panel options will be used to demonstrate the screen classification and efficiency capabilities when using Multotec panels. The company will also exhibit a cutaway of a scrubber/trommel combination showing the rubber scrubber liners and the different types of trommel panel solutions for SAG mill to scrubber applications. A static screening media display will show the wear lifecycle of screening panels.

MATO BELT FASTENING SOLUTIONS

Mato belt fastening solutions will be on display with live demonstrations using a lacing machine. The MATO system consists of a lacer cutter and skiver, and is characterised by high static and dynamic strength, better scraper interaction, less wear and noise reduction on pulleys and idlers.

MULTOTEC RUBBER

A cutaway section of a 3 metre diameter mill with a single ring of lifter bars and shell plates will be positioned on the outside stand and will be equipped with mill liner scanning technology. An operational scale model of a mill trajectory will be situated adjacent to this display.

A demonstration of the MillTraj software utilised by Multotec Rubber to design mill liners will indicate how the trajectory can be modelled electronically. The Hawkeye display will demonstrate how readings from a mill liner scanner can be converted into easy to understand graphical displays of the wear of the lifter bars and the shell and head plates.

Mill circuit specialists from Multotec will be available to demonstrate on-site circuit audits and provide suggested improvements to increase process plant performance.

CYCLONES

Multotec has an enviable reputation for its range of cyclones, and this year's exhibits will include the well-known cast iron cyclone which provides maximised output and minimised downtime. There will also be an operational model of a cyclone, which will clearly demonstrate the vortex.

SAMPLING

Accuracy in sampling equipment is critical to the success of any mining operation and visitors will be able to view the actual sampling procedure. A cross stream sampler (belt end), available for all conveyor widths between 450 and 2 100 mm, will show the inherent strengths of this product. All units are custom designed to conform to customer requirements, as well as ISO and other relevant international sampling standards.

GRAVITY CONCENTRATION

Exhibits that cover gravity concentration will include 3D models of Multotec spirals and a 3D printed scale model of a pilot plant, together with a cross section of a pipe launder arrangement, will complement the new test rig on display, which can house any spiral in the Multotec range.

WHIMS

Multotec's Wet High Intensity Magnetic Separators (WHIMS) use electromagnetic coils to generate very high magnetic force that can be implemented to allow separation of para-magnetic minerals. This technology also employs unparalleled high gradients, within their exchangeable matrices, to allow recovery of fine material down to 15 micron.

The Multotec Group has served the local and international mining industry for over 40 years and offering appropriate quality process related product solutions to the mining industry remains an integral part of the group's strategy.

MULTOTEC AT EMA 2014 PIC 01 : Screen wear indicator display measuring metallurgical and or mechanical failure.

MULTOTEC AT EMA 2014 PIC 02 : TeePee screen panel for improved drainage and desliming applications.

MULTOTEC AT EMA 2014 PIC 03 : Vibrating screen test unit utilising screen panel generated by 3D printer.

MULTOTEC AT EMA 2014 PIC 04 : Screen drainage display unit.

MULTOTEC AT EMA 2014 PIC 05 : Cast iron dense medium cyclone.

ENDS ... JULY 2014

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