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### **MULTOTEC'S MOBILE SPIRAL PILOT PLANT ATTRACTS GROWING INTEREST**

There is growing interest in Multotec's mobile spiral pilot plant, particularly from junior miners and operations that need pilot plant information to design full scale plants. Successes include treating minus 1 mm ROM chrome in various South African and Zimbabwean operations, supplying a pilot plant to a mineral sands operation in Gambia and pilot plants to various local coal operations.

With a lead time between 12 and 14 weeks, depending on the specific configuration required, the spiral pilot plant can be despatched quickly to a site. Easily transported inside two 12 metre containers or on two 12 metre low bed trucks and quickly assembled on site using a crane to manoeuvre it onto a concrete base or compact floor, the Multotec spiral pilot plant is just as easily dismantled and relocated to the next site.

The spiral pilot plant is compact and has been engineered as a pre-assembled unit, complete with all electrical requirements. The design includes Multotec's field proven technology such as cyclones and spirals. Set-up is simple – all that is required is to connect the process feed line, power supply and water line to the pilot plant.

This innovative unit will be on display at the upcoming Electra Mining Africa 2012 exhibition and this particular pilot plant comprises Multotec spirals and cyclones and, for coal applications, Multotec sieve bends. The unit on display has been modified to operate independently on four spirals, effectively allowing four different minerals to be run through it in closed circuit. The pilot plant has design capacities of 10 tph and 20 tph for heavy minerals, and 36 tph for coal once fully installed.

"This pilot plant is proving particularly useful where mines are running on a tight budget that doesn't extend to building their own plant," Dean Lincoln, general manager marketing and business development at Multotec, says.

"For mining operations planning to build their own plant, once the pilot plant test data has been reviewed, it becomes possible for customers to embark on the design of the most appropriate full

scale plant for the chosen application and conditions. This ensures absolute plant flexibility, enabling the treatment of almost any type of mineral including beach sands, titanium, chromite, iron ore, silica sand and tin, as well as coal.”

MULTOTEC SPIRAL PILOT PLANT PIC 01 : There is growing interest in Multotec’s mobile spiral pilot plant, particularly from junior miners and operations that need pilot plant information to design full scale plants.

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