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12 Jan 2011

# M-Series Sets New Standards in High Quality Powder Milling

New patented milling technology has been developed that combines low energy consumption with a compact size to provide a highly efficient and versatile grinding system for a wide range of minerals processing and powder milling applications.

The new m-series powder mills from UK-based International Innovative Technology (IIT) comprises a technically advanced modular design capable of grinding soft, medium and hard materials (to 9.5 on the Mohs scale) to 90% passing 45 microns and below.

Compact and powerful, the centrifugal grinding mechanism of the m-series is extremely efficient with the vertical material flow path and special roller assembly ensuring that the force produced is translated into maximum particle grinding power.

As a result, extremely low electrical energy input is required relative to particle size and volume of powder output, with specific energy consumption typically between 5kWh/T and 10kWh/T.

The m-series is suitable for the milling of a wide range of natural raw materials and other industrial products including metal oxides, bauxite, calcium carbonate and limestone products, silicon carbide, coal, fly ash, blast furnace slag, nickel slag and steel slag.

The self- contained grinding modules comprise very hard rollers linked to swinging arms and an innovative centrifugal mechanism which develops very high grinding forces.

Multi stage grinding is achieved through the incorporation of a number of grinding modules in series with particle size controlled by the number of modules and rotational speed.

Fully integrated electronic control and process monitoring systems for the new technology have been developed in collaboration with Siemens.

Typically, a standard 600mm barrel operating at 300 rpm produces a very fine powder output at up to 5 tonnes per hour and multi-mill configurations are available to meet capacities of up to 50 tonnes per hour.

The vertical configuration and compact size gives the IIT m-series mills a small footprint for efficient installation in relatively confined spaces and simple integration into existing processes.

The new m-series is available as a stand- alone milling plant or can be supplied as part of a complete powder milling process solution with the IIT c-series Dynamic Classifier for fine particle sizing and the s-series of high efficiency cyclones . ATEX rated models of the grinding mill and ancillary plant are also available.

(Ref 2331)



Events Calendar

January 2011

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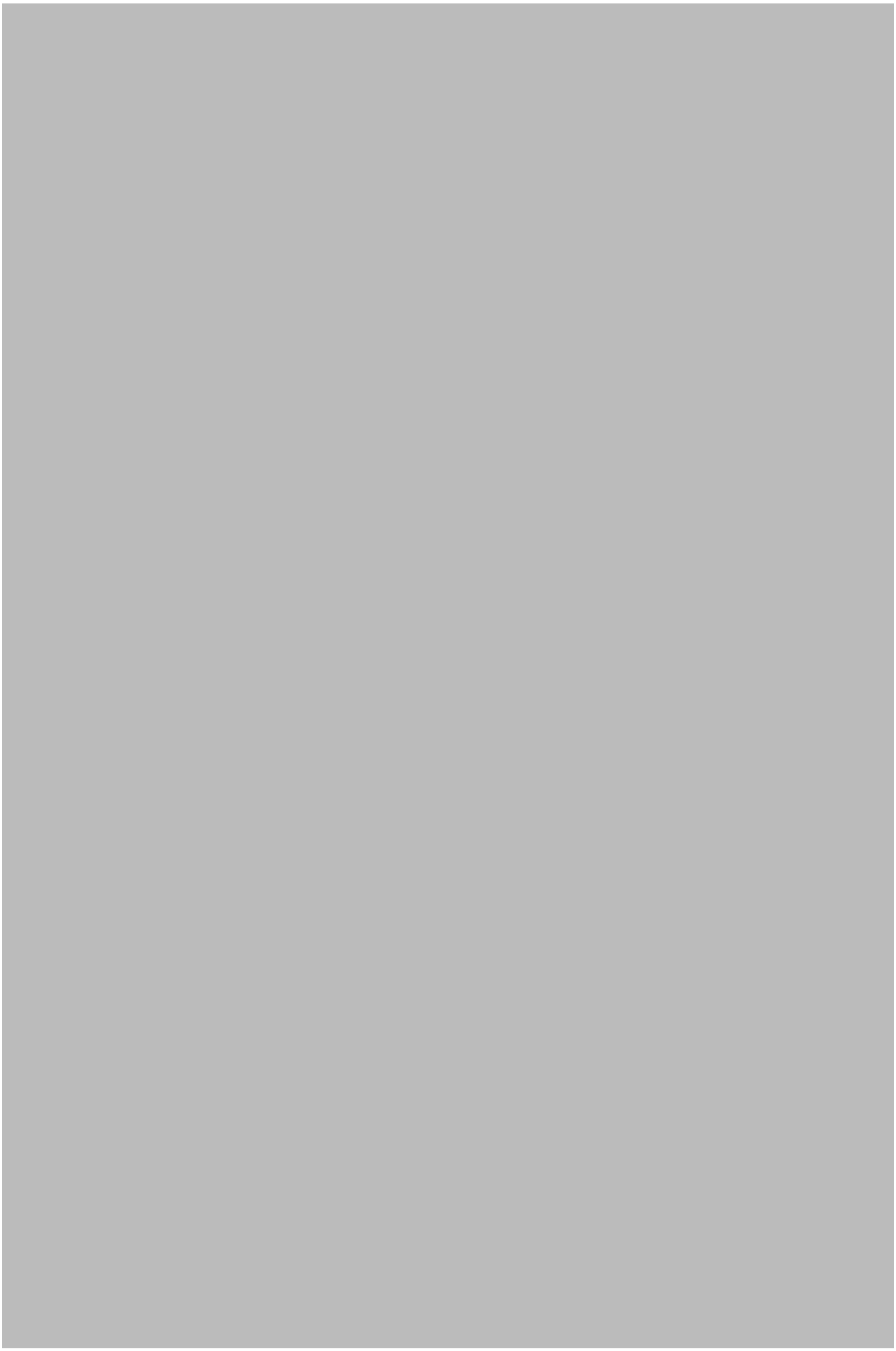

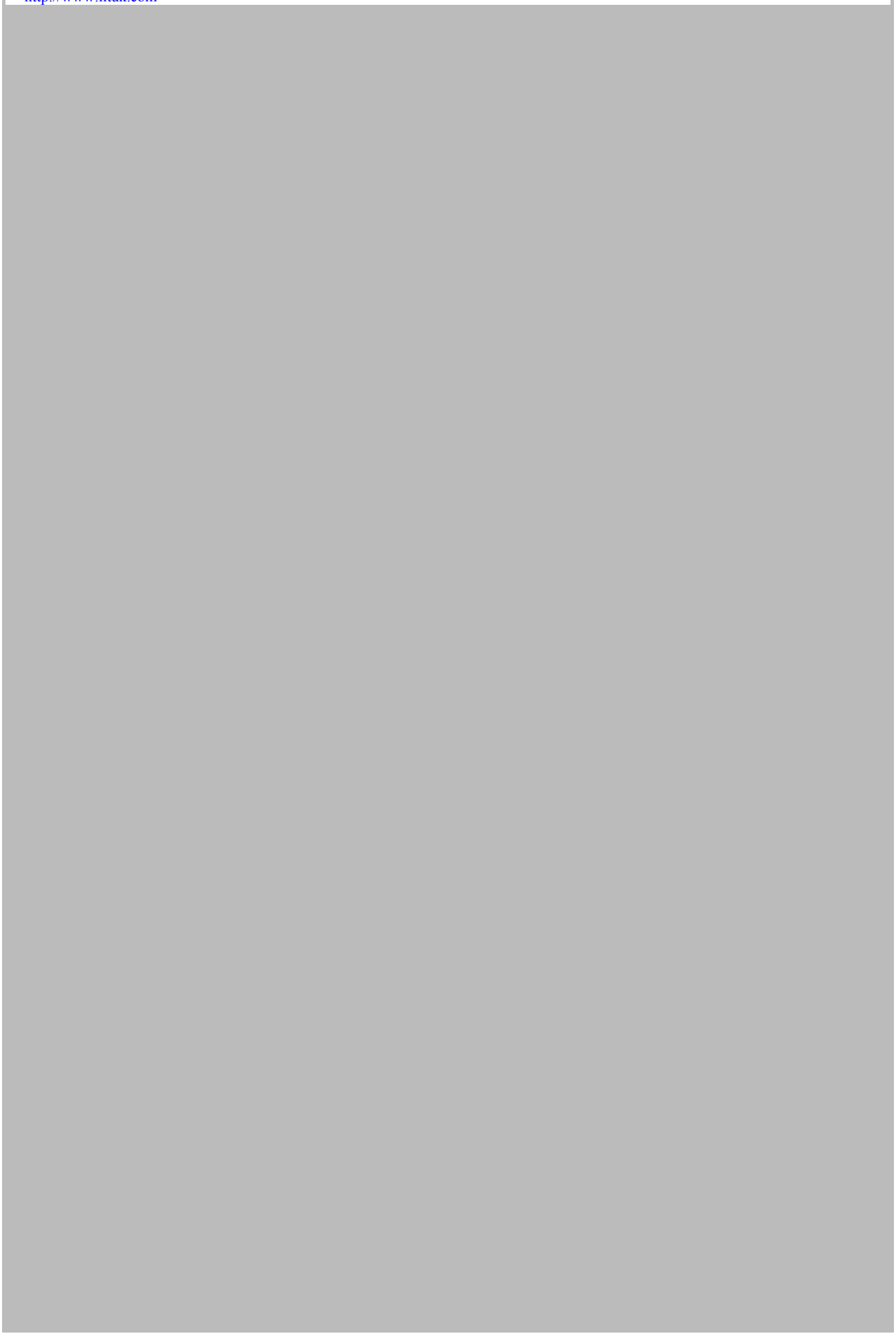

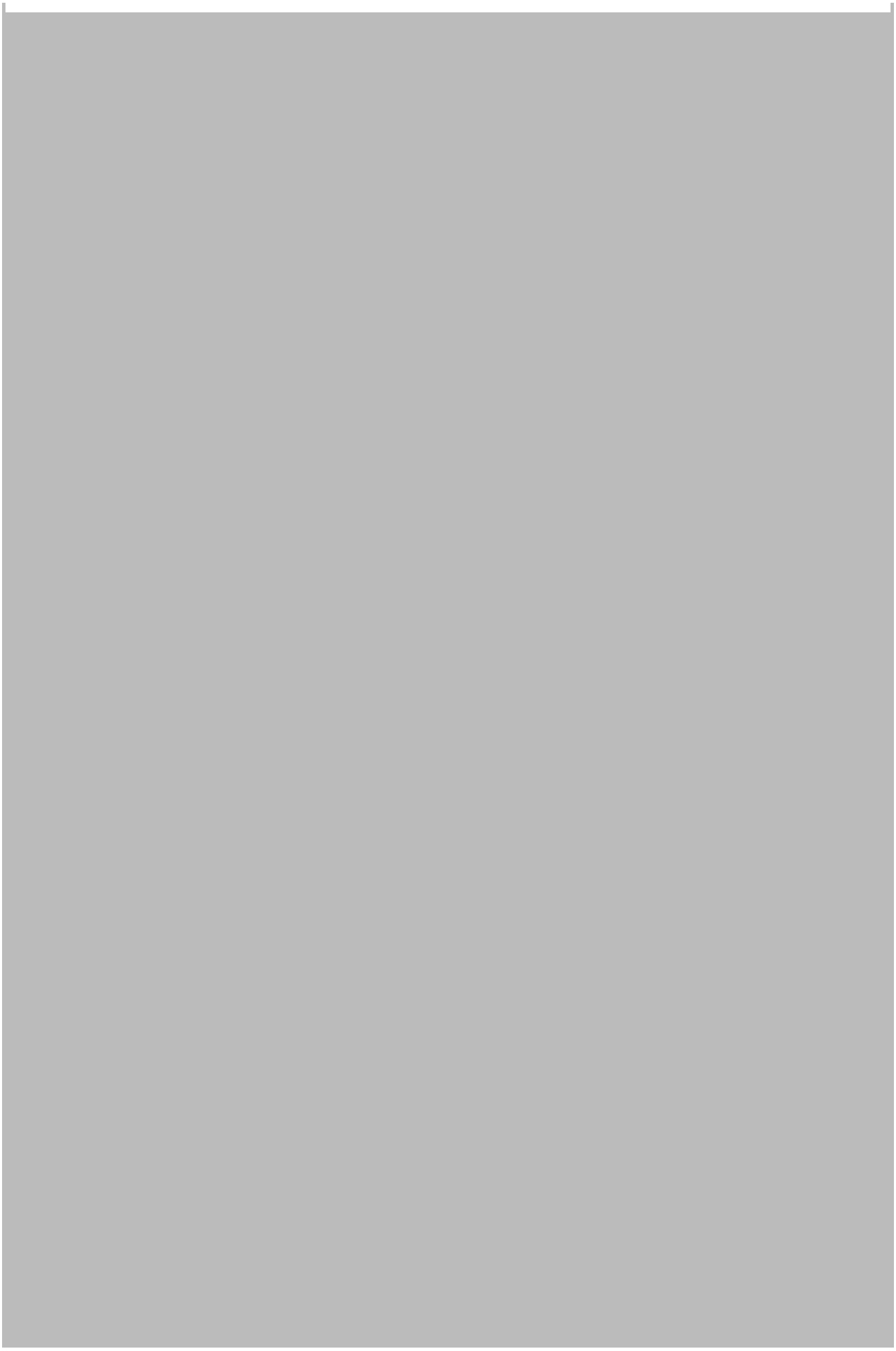

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