

What's the Real Value of Sensor-Based Sorting?

Mining companies survive by developing new deposits and processing those deposits efficiently. With up to 60% of a mining operation's energy costs occurring from milling and separation activities that produce the end product, mining companies are seeking ways to consume less energy, water and chemicals.

Sensor-based sorting is opening up new opportunities in coal, ore, industrial mineral and diamond mining. Sensor sorters offer potential energy savings through the pre-separation of materials in the early stages, which also reduces the amount of waste product, water and chemical usage.

Using technologies like X-ray Sorting, X-ray Florescence, Hyper Spectral Imaging (HIS) or Near Infra-Red (NIR) sensor sorting technologies, mining companies can now identify and separate material based on its elemental composition or material density. Individual particles in the material flow are recognized and classified, increasing the range of possibilities for sorting mixed materials.

Pre-separation of materials can remove contaminants earlier in the process, reducing the costs associated with traditional mineral separation. In addition to energy savings, sensor-based sorting can minimize capital expenditures through equipment sizing and can increase ROM production by upgrading low-grade materials.



FIND THE REAL VALUE OF SENSOR-BASED SORTING

Talk with STEINERT US to learn how. Meet our team at SME in February and PDAC in March – we are setting up appointments now.

STEINERT US - MEET THE TEAM

SME February 15 - 18, 2015 - Booth 749

PDAC March 1-4, 2015 - Booth 3348

Make an appointment now: sales@steinertus.com

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