

## On-line Analysis of Coal on Conveyor Belts for Power Generation

### MOIST/SCAN

Coal and Bio-Fuel moisture analyzer based on microwave principle of operation.

The instrument analyses the entire cross section of material as it is conveyed identifying variations in moisture throughout the profile.



### ASH/SCAN

Using Am<sup>241</sup> and Cs<sup>137</sup> sources the instrument is analysing Ash and Calorific value of the coal on conveyor.



### ALL/SCAN

AllScan™ utilises the well established PGNAAC analysis applying a neutron generator, that means containing no radioactive source.

Application of advanced mathematical modeling allows to avoid interference of chlorine and Steel core belts and provide accurate interpretation of the coal composition:

- Ash (%)
- Calorific Value (MJ/kg)
- Fixed Carbon (%)
- Volatiles (%)
- Total Moisture (%)
- Arsenic (ppm)
- Mercury (ppb)
- Selenium (ppm)
- Total Sulfur (%)



Thanks to detector design and advanced interpretation the instrument is the lightest on the market and allows a convenient mounting on the conveyor system.

With detailed information on solutions of your interest we are gladly available on our contact:

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