



**INDUSTRIES**



mining



chemicals



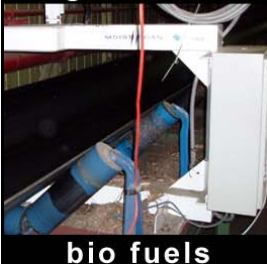
building



food



agriculture



bio fuels

**MEASURING MOISTURE IN COAL**

**Application Note**

SN: 08-068

**Customer**

The customer is one of the world's largest steel companies with an existing crude steel production capacity of 30 Million Tonnes Per Annum. The customer has a balanced global presence in over 50 developed European and fast growing Asian markets, with manufacturing units in 26 countries.

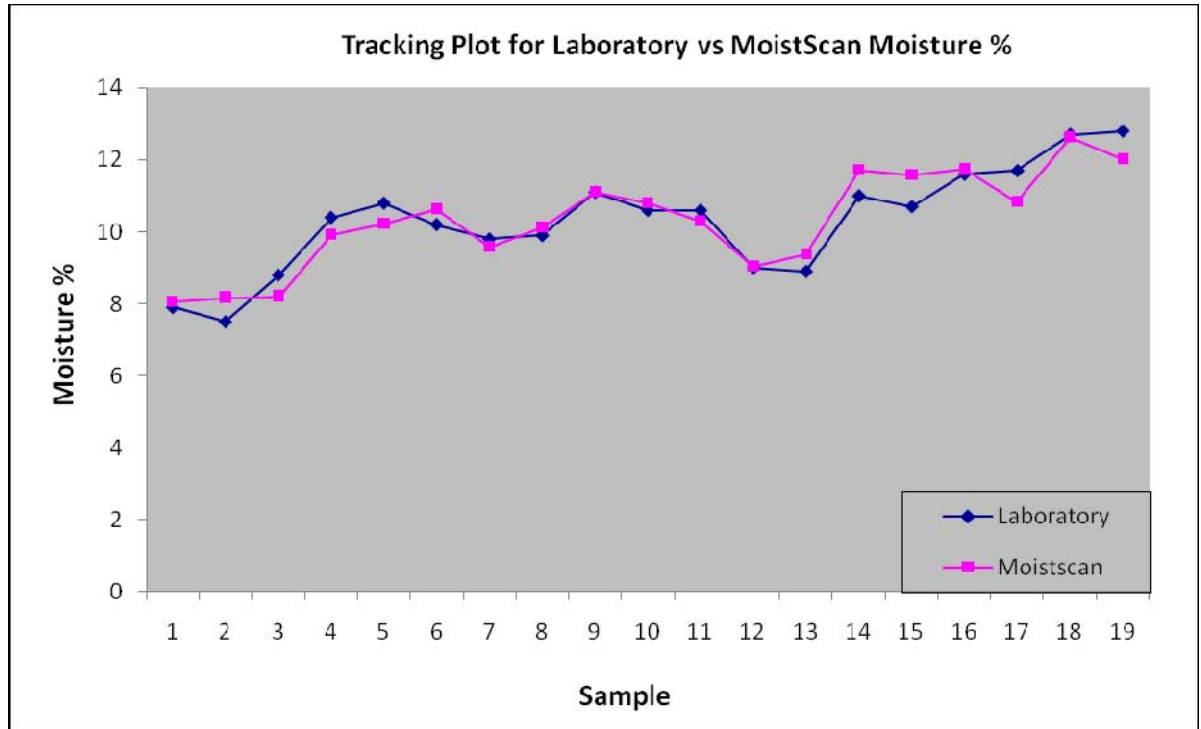


**Installation**

A MoistScan<sup>®</sup> MA-500 online moisture analyser is installed on the conveyor taking the coal from the crusher to the stamper feed storage hopper, prior to feeding the coke ovens.

**Benefit**

The MoistScan<sup>®</sup> is used to provide feed-back control of water addition so that the feed to the coke oven has optimal moisture content.



**Application Summary**

<b>Material</b>	Coal - Coke oven feed
<b>Instrument</b>	MA-500 Series 2
<b>Location</b>	On conveyor
<b>Bed Depth</b>	<250mm
<b>Particle Size</b>	Approx -3mm

<b>Moisture</b>	Approx 10%
<b>Belt Speed</b>	1.5 m/s
<b>Temperature</b>	Ambient
<b>Precision</b>	0.5%
<b>Use</b>	Process automation and feed-back control