

INDUSTRIES



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MEASURING MOISTURE IN ALUMINA HYDRATE

Application Note

SN: 07-043

Customer

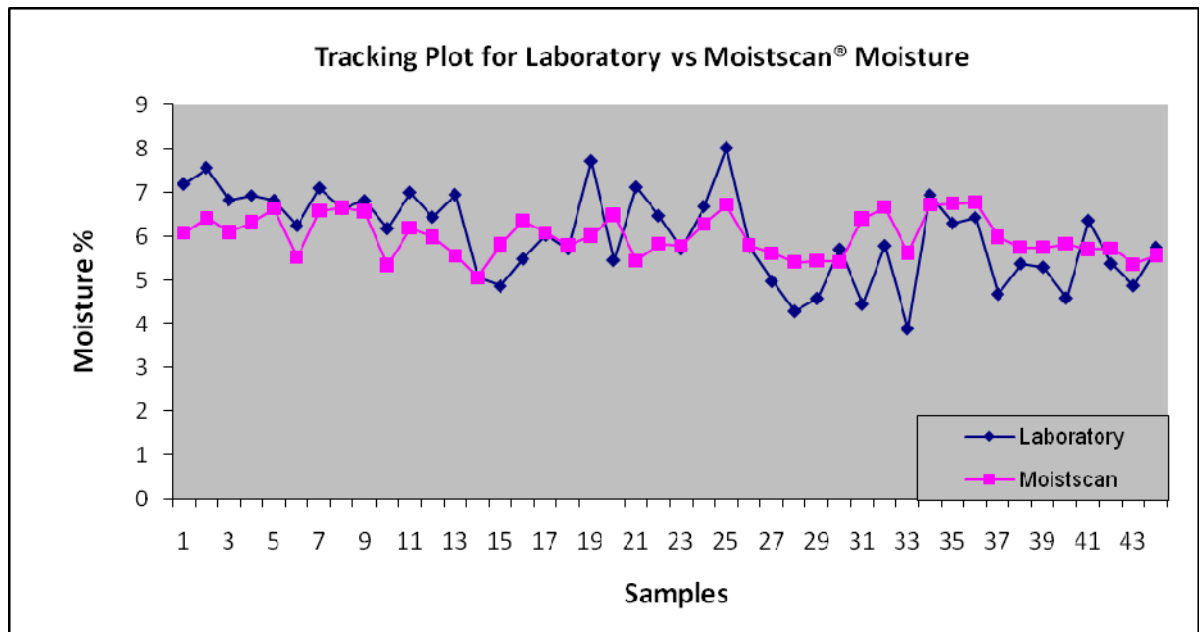
Our customer, located in Australasia and is a fully integrated primary aluminium producer. The company is involved in all three stages of aluminium production, bauxite mining, alumina refining and aluminium smelting. It supplies products to both domestic and overseas markets.

Installation

A MoistScan[®] MA-600 online moisture analyser is installed on conveyor where alumina hydrate is being extruded out of a feed hopper located after the hydrate filters. The antennas of the gauge have been installed into the belt safety enclosure.

Benefit

The MoistScan[®] analyser is used to measure the moisture content of the Alumina hydrate coming from the filters to allow automation of the gas flow into the calciner.



Application Summary

Material	Alumina Hydrate
Instrument	MA-600
Location	Calciner Infeed
Bed Depth	N/A
Particle Size	80 – 100Microns

Moisture	4 – 8%
Belt Speed	150TPH
Temperature	50
Precision	0.9% (ISD)
Use	Process automation and feed-back control