

INDUSTRIES



coal



iron ore



cement



minerals

Application Note - Cement

YU:-CHINA-1787

Our Customer

Our Customer is a large cement company in China. The cement complex includes two raw mills, one with a very large capacity and the other with a smaller capacity. Because the factory is located at high latitude, the plant operates from March to November. At other times of the year, it is too cold to operate the kiln. The plant has a very large storage capacity to enable it to supply cement all year round.

Site Location

The cement plant is located in Yuquan, the district of Acheng near the city of Harbin.

The Product

The analysers are measuring the elemental composition of raw mix being fed to the raw mills.

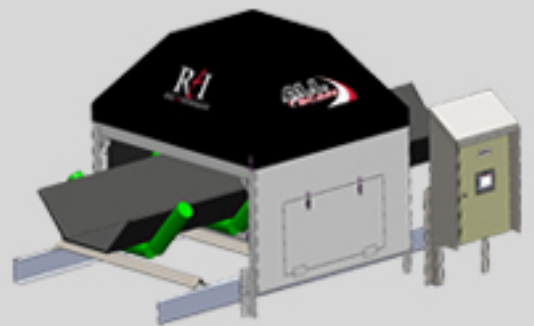
Installation

Analysers are installed on the conveyors upstream of the raw mills and downstream of the feeders.





the global leader in
online elemental analysis ...



INDUSTRIES



coal



iron ore



cement



minerals

Purpose of the Analyser

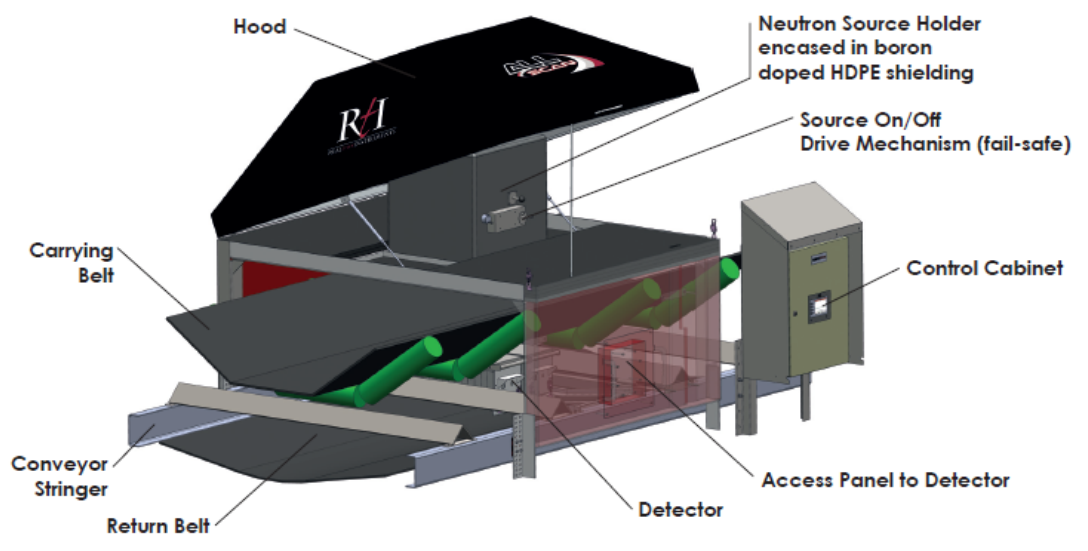
The AllScan cross-belt elemental analyzers continuously measure the chemistry of the raw mix. This data is relayed to specialist raw mix proportioning software that controls dosing from the corrective feeder bins according to pre-defined quality parameters.

Benefit to the Customer

This enables the plant to reduce the variability in the raw mix, and ultimately the kiln feed. Consistent kiln feed chemistry in turn leads to better quality clinker and lower fuel consumption per ton of clinker produced.

The AllScan®

The AllScan is a new-generation online elemental analyser that uses PGNAA (prompt gamma neutron activation analysis) technology to accurately measure the chemical composition of most bulk materials. The analyser combines practical operational features with sophisticated hardware and software resulting in an analyser that is easy to install, calibrate, and maintain, and above all, is extremely accurate.



Contact Us

For further information please contact Realtime Instruments or an RTI Distributor in your country. Visit www.realtimegrp.com for contact details.