



Company News

Ajax Equipment supplies Nickel Handling System for Projex Solutions

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Bolton, United Kingdom -

Solids handling specialist, Ajax Equipment, has supplied Brighouse based project engineering, design and consultancy service provider, Projex Solutions Limited, with a handling system comprising collecting hopper and screw conveyor for transferring Nickel and Nickel Oxide powder.

The nickel handling system collects the powder from a kiln gas cyclone. The mild steel hopper is vee shaped and steep walled for best flow behaviour. The collecting screw features both left and right-hand flights for efficient central discharge. Nickel is a fine, highly dense powder making it highly abrasive. To mitigate the resulting wear, the flights of the screw have been treated with a hard wearing coating. "The original cyclone hopper design had a history of bridging which would cause production delays on the kiln. Projex were challenged to come up with a design concept to reduce the time delays. Ajax professionally turned the concept of this bridge breaking hopper into an engineered device on time and in budget to fit into a busy kiln refit programme," said Ian Lund, Principal Engineer, Projex Solutions Limited.