

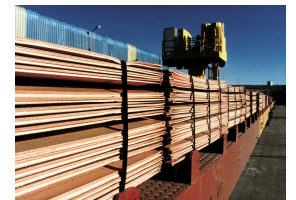
Powering Production and Profit in Non-Ferrous Metals

Overview

Clyde Materials Handling is the leading provider of pneumatic transport and injection systems and materials handling solutions, with three decades of process experience. Our technology has powered a complex range of processes within the world's leading Industrial Organizations.

At the heart of the non-ferrous industry Clyde have been applying technology to transform smelting performance through feed equipment reliability and 'state of the art' injection solutions. Clyde is offering smelters the ability to improve their process utilisation, and redefine optimal performance.

Clyde solutions are world-renowned for quality, durability, reliability, availability and outstanding performance. These traits are of great importance as many of the materials smelters need to transport and inject are abrasive or difficult to handle.



Clients



Clyde Transportation and Injection Solutions

Clyde Transportation solutions use the appropriate pneumatic conveying mode to achieve the best availability and reliability of the system. Then through thorough technical design and rigorous testing in our in-house industrial scale laboratory they ensure first time successful start up and the highest level of performance.

Clyde Injection is World leading. No other injection system offers pulseless injection with 'minute-to-minute' stability of flow. This process control ensures accurate, steady, controllable pulseless feed suitable for trouble free injection direct to submerged lances and smooth combustion at fuel burners.

Transportation systems on non-ferrous metals smelter sites include concentrates, mattes, silica, dusts, reverts, electronic scrap and coal as fuel and reductant, materials can be transported both individually and in blended combination.

Injection systems on non-ferrous sites include furnace feedstock mixing systems, in line blending and direct injection to the molten metal on many pyrometallurgical process vessels.

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Clyde is active in the aluminium, copper, nickel, platinum, zinc and lead industries to date and keen to develop partnerships in other non-ferrous industries.

Clyde concentrate on the creation of solutions working together with the customer to generate:

- High System Availability, Reliability and Performance
- Accuracy and Stability allowing full process utilisation
- Improved Process Control and Process Efficiencies
- Environmental Improvements to Process through stability
- Removal of unwanted turbulence refractory wear
- Reduced Operating Costs
- Flexibility Integration with other Technologies

Providing solutions for Smelters using:

- Bath Smelters and Converters
- Top Submerged Lance Smelters and Converters
- Flash Furnaces Smelt and Converters
- Pierce Smith Converters
- Slag Fumers
- Pot Lines