



Overview

Clyde Materials Handling (CMH) has used its technology, expertise and domain knowledge to power pioneering solutions globally across the cement industry.

CMH is recognised as *the* leading global materials handling solutions provider, and is ideally positioned in the marketplace to manage the movement of difficult and abrasive substances associated with the cement industry.

CMH has created innovative solutions that have the capability to convey or inject cement and other materials such as fly ash, clinker gypsum or alternative fuels within cement manufacturing processes.

Worldwide cement production is forecast to push through the 2 billion tonne barrier, with cement consumption growing substantially in emerging markets in an effort to fuel the growth of modern infrastructures.

Cement manufacturers must ensure that their systems and processes are operating effectively and efficiently, so that they are able to maximise on the future opportunities presented to them as their industry continues to flourish.



Clyde Built Solutions

CMH's 'Clyde Built' solutions are known for their quality, durability, reliability and exceptional performance. These traits are of great importance within the abrasive cement industry, where massive strains are placed on the technical infrastructures of manufacturers.

CMH is the world's leading pneumatic conveying specialist, which provides organisations with the ability to transport material in an unrestricted, controlled and continuous manner at low velocity, consuming low volumes of compressed air. The result is the creation of solutions that absorb a minimal amount of power, cause less wear on system components and pipelines, and therefore, reduces maintenance costs and increases system availability, reliability and production.

These solutions can be used in the movement of cement and other bulk powders, or for the injection of additives or alternative fuels into the cement manufacturing process. This results in the production of a system that generates sustainable economic advantages, which include:

- Significantly increases system reliability, availability and performance
- Dramatically reduces power consumption, compared with existing systems, helping to drive down operating costs
- Low maintenance, long life – negates high spare and maintenance costs
- Considerable improvements in production time – helping drive reductions in operational downtime
- Dust emissions are virtually non-existent – the solution is totally enclosed, ensuring a spillage free system that generates exemplary environmental benefits
- Optimised and highly adaptable conveying pipeline design – ability to fit comfortably with existing plant layouts

The solutions are further enhanced through the use of Clyde's Dome Valve, widely regarded as the best material handling valve in the world. The Dome Valve has the ability to cut through static or moving columns of material through the use of its innovative inflatable seal mechanism, ensuring that a consistent, pressure tight seal is created when the valve is in the closed position, but in the open position, it provides an unrestricted, full bore opening for the best product flow characteristics possible.

The Clyde Dome Valve is recognised as a low maintenance, long life solution that can last at least 1 million cycles between maintenance inspections. It can also be used as an excellent diverter valve.

Clients

CMH has over three decades of experience in deploying innovative solutions that have addressed and resolved a vast array of business problems within the cement industry.

Clyde's expertise and outstanding track record enables them to continue to deliver value to their successful and prominent customer base.

