



# Case Study

## Heavy Duty Rotary Valve for the cement industry



**High Volume, Handled with Ease**

Working in collaboration, creating tailored solutions,  
engineering designed to match your needs.

• **The Application:**

- Our customer was replacing four rotary valves in their cement system, but there was no like-for-like match. Their specification required the use of direct drive motors, rather than our standard chain drive.
- The required throughput was over 200 tonnes an hour, handling an abrasive product.

• **The requirement:**

- To provide rotary valves that would deliver the specified throughput whilst withstanding the abrasion that the product could cause.

• **The solution:**

- Our 600mm rotary valves running at 27 rpm would provide the required throughput of 214 tonnes an hour. Support frames were designed and fabricated in-house to support the motors. To withstand the abrasiveness of the product, we supplied mild steel rotors with abrasion resistant, replaceable blades.

• **The result:**

- A set of four rotary valves that can resist abrasion without compromising the effectiveness of the valves.

