



ROTOFeed-K

A Lower-Energy, Retrofit-Friendly
Alternative to Traditional Screw
Pumps

The Clyde **ROTOFeed-K** system is engineered to deliver **highly accurate** and **consistently controlled** continuous transport of cementitious materials throughout various stages of the cement production process.

ROTOFeed-K is a **compact, energy-efficient** continuous conveying solution for cementitious materials, developed specifically as a modern **alternative to traditional screw pump** technology. It uses proven Clyde vertical-axis **ROTOFeed** technology combined with a pressure barrier arrangement to deliver reliable, controlled conveying performance at significantly lower absorbed power.

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ISO9001 | ISO14001



British Engineering

Key Features

Compact Installation

The low headroom design enables the **ROTOFeed-K** to be **installed in the same space as a traditional Screw Pump**, allowing reuse of existing conveying pipelines and compressors, minimizing installation costs and downtime

Ease of Maintenance

Internal contact wear parts are engineered for rapid on-site replacement, minimizing downtime and ensuring smooth, continuous operation

Intelligent Monitoring

Equipped with an orifice-based air flow meter to monitor leakage air through the valve, enabling predictive maintenance and early identification of seal wear or performance drift

Reliable, Proven Concept

Based on a vertical-axis rotary feeder design, well established in the steel and non-ferrous industries, providing long-term reliability and low maintenance requirements.

Benefits

Energy Efficiency

Achieves up to 40% reduction in absorbed power by eliminating the need for a large drive motor on the feeder. Creating a significant reduction in your carbon footprint.

High Pressure Capability

Designed to operate reliably at pressures up to 2.5 barg without any loss of conveying rate — ensuring consistent performance even under demanding process conditions.

Low Speed Operation

Designed to run at lower rotational speeds than comparable technologies, significantly reducing internal wear, extending component life, and lowering maintenance frequency.



By integrating smart diagnostics with robust mechanical design, the ROTOFeed-K offers a new standard in reliability, performance, and lifecycle cost reduction for modern cement conveying systems.