

# Made in the USA

Easy communications and fast delivery

# **Focused on Solutions**

Flexible and fast-moving

# **Custom Engineering**

Transitions and other modifications to replace existing equipment

# **Maximum Durability**

Materials, manufacturing techniques, and engineered surface treatments ensure longer life

# **Service**

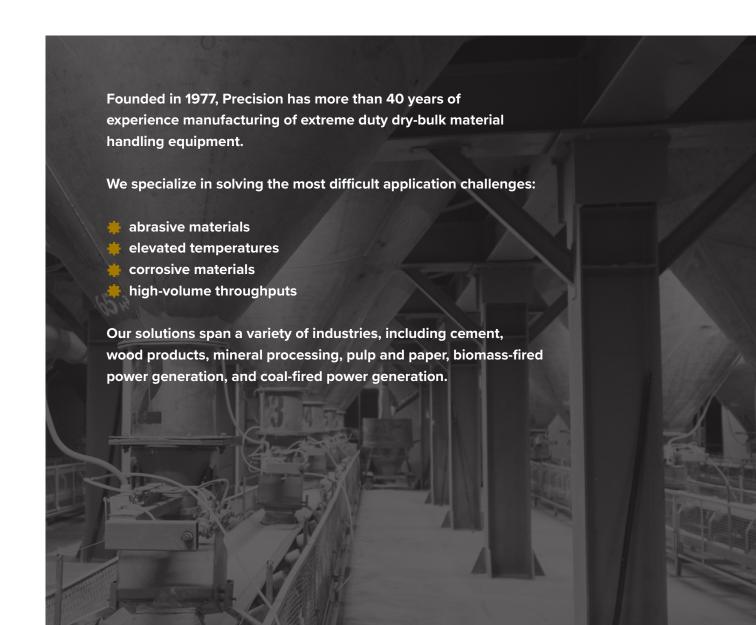
Parts, technical service, and equipment rebuilding

LEARN MORE AT PREMACH.COM/CEMENT



# Maximize Uptime Increase Throughput Improve Productivity

Manufacturing cement is a large-scale operation with huge volumes of material and long, outage-to-outage production plans. The materials are abrasive and the operating conditions are demanding. Precision's line-up of rotary equipment is designed for this extreme environment with a proven track record of reliable performance.



# **Raw Material** Feeders

# Finish Mill/ **Clinker Feeders**

# **Alternative Fuel Feeders**

# **Rotary Valves for DSI/FGD Pollution Control Systems**

Metering and airlock application for handling very large volumes of limestone and other raw materials. Typically used with a VRM (vertical roller mill).

Metering and airlock device to feed clinker and other materials into the ball mill or vertical roller mill.

Wood, tire or other alternative fuels fed via pneumatic conveying system to the main burner, or via direct injection into a separate or inline calciner.

Systems injecting lime, trona, activated carbon, fly ash, bottom ash, or other sorbent for treating flue gas discharge for SOx or NOx.

### **PMCA ROTARY FEEDERS**



### **PMR ROTARY FEEDERS**



### **PMV MODULAR VALVES**



Extreme-duty PMCA rotary feeders in sizes from 150 to 1000 TPH.

Constructed of Tri-Braze abrasion-resistant steel.

Hot-air design for raw material applications.

Transitions for slide-out/slide-in replacement of competitive feeders.

Stationary knife with helical rotor shears off oversize fuel.

Upgraded barrels and drive packages

Rebuildable

Severe-duty version of the PMV-8 or PMV-10

Pneumatic line injectors

Nord inverter-duty drive motors

Air purge kits

### Two years of operation between rebuilds

Reduced false air induction

Low or no recurring maintenance

Adaptable to unprepared or minimally prepared fuel

Outage-to-outage durability

Compatible with many types of fuels

Durability that handles lime, trona, or activated carbon

Tight tolerances minimize blow-by and maintain pneumatic system performance

# Dust Collector Rotary Valves

# Pulverized Coal Rotary Valves

# Silo Discharge Rotary Valves

# Coal Mill Feeders

# Raw Meal/ Kiln Feeders

Airlock application handling dust, commonly discharging to a screw conveyor. VFD-controlled metering device handling pulverized coal feed to the Pfister Feeder. Withdrawing finished cement or additives from a silo and discharging to screws or air-slides. Feeding wet, sticky raw coal into a coal mill: including VRM, ball and Raymond mills.

A high temperature application feeding ground raw materials, usually located at the top of the preheater tower.

### **PMV MODULAR ROTARY VALVES**



### PMDS SELF-CLEANING VALVE



### PMRD ROTARY FEEDERS



Severe-duty version of the PMV-8 to PMV-12

Dependable Nord drives

Transitions for slide-out/slide-in replacement of competitive valves Ultra-duty version to combat abrasive wear

Inverter-duty Nord drives

MSHA/OSHA guards and zero speed sensors Severe-duty version of the PMV, from PMV-8 to PMV-28

Air purge kits and/ or upgraded shaft seals

Transitions for slide-out/slide-in replacement of competitive valves

PMDS Self-Cleaning valve

Dual-rotor design that mechanically "sweeps" the rounded pockets on the upper / product roller. Modified version of the PMR feeder with no knife

Rounded rotor pockets

Normally installed in pairs for redundancy

Tight tolerances minimize fugitive dust

Configurable to fit into existing dust collectors

Maintenance free

Reliable, outage-to-outage operation

Consistent, responsive feed rates keep the Pfister fully-charged

Low maintenance and easily rebuilt

Leak-free, dust-free operation

Sizes for every application

Configurable to replace any existing rotary valve

Handles highmoisture coal without costly operator intervention

Maintains consistent feed rates to the mill

Lower-rank coal becomes economically viable

Years of operation between rebuilds

Reliable, troublefree operation

Engineered for high temperatures



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