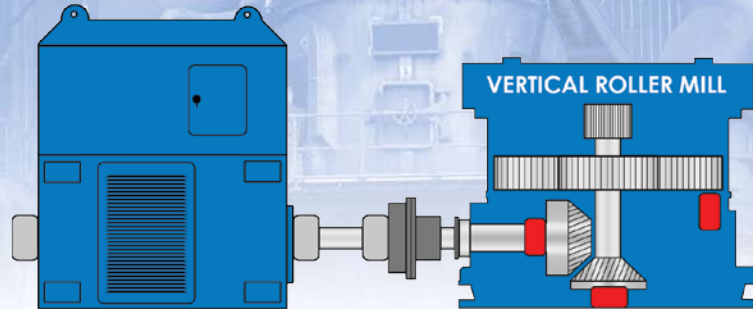


# Vertical Roller Mill Gearbox & Motor

## ALTA ADVANTAGES

- Integration with Existing Plant Infrastructure
- Synchronize Process Data with Machine Dynamic Data
- Off-Line Analysis without having to Re-Capture Data
- Real-Time Data Collection
- Advanced Vibration and Transient Analysis
- Intelligent Alarming
- Cybersecure



**With Alta Solutions GAP Free collection you won't miss a beat.**

### SYSTEM MEASUREMENTS:

Shaft Vibration, Bearing Vibration, Position Measurement, Phase Measurements, Axial Position Protection, Process Variables, Temperature, Oil Wear Debris.

**OPTIONAL:** Power, Torque and Torsional Monitoring.

### Common Faults to Diagnose:

#### MOTOR:

Bearing Faults, Air Gap Variation, Broken Rotor Bars, Eccentric Motor, Stator Flexibility, Off Magnetic Center, Stator Short.

#### GEARBOX:

Gear-Mesh Wear, Eccentric Gears, Broken, Cracked or Chipped Gear Teeth, Gearbox Distortion, Bearing Defects.

### ADVANCED CONDITION MONITORING SYSTEM



- Advanced Machine Analysis
- Powerful Transient Data Collection
- Seamlessly Plant Intergration
- Built-In Flight Data Recorder

#### Additional Features:

- Machine Data Collection
- Industrial Chassis
- Plant Interfaces
- Sensor Support

### PROTECTION SYSTEM WITH ADVANCED CONDITION MONITORING



- API 670 5th Edition Compliant
- Integrates Powerful Machine Analysis
- Modular System for Easy Upgrading and Replacement
- Uses Standard and Common Wiring Connectors
- Support for Multiple Standard Plant Interfaces
- Easy to Install and Maintain



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