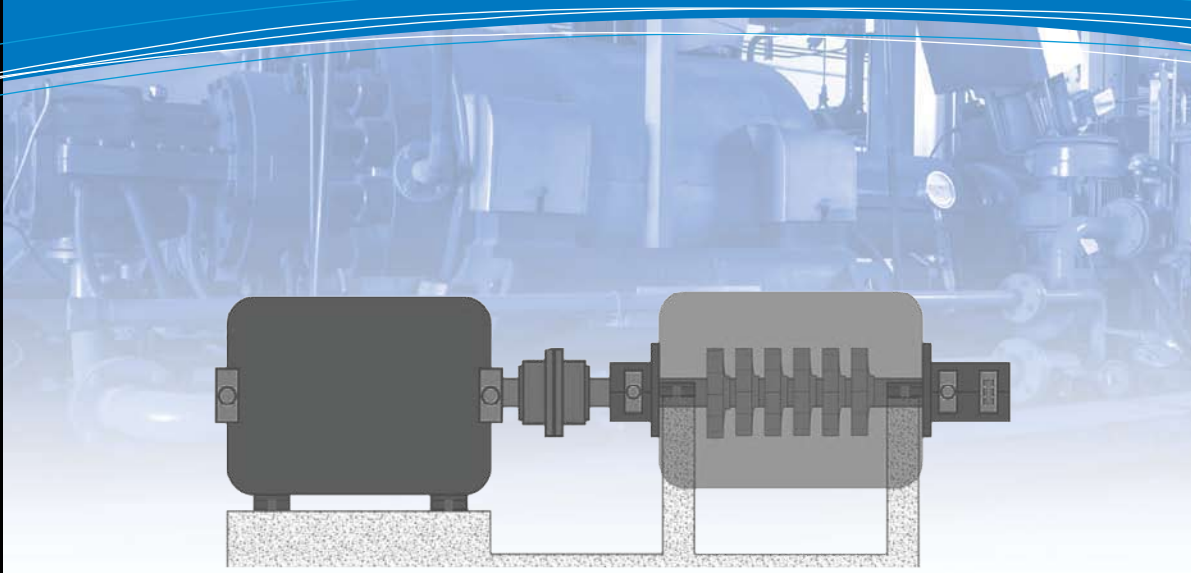


## ALTA ADVANTAGES

- 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



**PROTECTION MEASUREMENTS:** Shaft Vibration, Bearing Vibration, Position Measurement, Phase, Speed Measurements, Axial Position Protection, Valve Position, Process Variables.

**COMMON FAULTS TO DIAGNOSE:**

**PUMPS:** Critical, Structural Resonances, Impeller Eccentricity, Impeller Imbalance, Impeller/Diffuser Clearance (gaps), Recirculation (low flow), Cavitation (low suction head), Oil Whirl, Wear Ring Clearance, Lubrication Loss, etc.

**MOTOR:** Bearing Faults, Air Gap Variation, Broken Rotor Bars, Eccentric Motor, Stator Flexibility, Off Magnetic Center, Stator Shorts

**COMBINED:** Mass Imbalance, Misalignment, Shaft Bow, Coupling Lockup, Thermal Variability, Distortion, etc.

### 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

### API 670 COMPACT MACHINERY PROTECTION SYSTEM



- API 670 5th Edition Compliant Integrates
- Powerful Machine Analysis
- Modular System for Easy Upgrading and Replacement
- Supports for Multiple Standard Plant Interfaces
- Easy to Install and Maintain.
- Built-In

### API 670 MPS 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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