ROTARY SCREW COMPRESSORS
Rotary screw compressors, both oil-free and oil-flooded, can provide a unique set of challenges to the predictive maintenance professional. Accelerometers used in these applications must be capable of detecting vibration through a very wide frequency band allowing the user to pickup faults such as pitting in the race of the bearings, oil injection issues or rotor mesh. Mounting is generally recommended on the casing of the compressor as close to the radial bearings as possible. A comprehensive predictive maintenance program that includes monitoring vibration on typically critical rotary screw compressors can improve downtime and increase efficiency with maintenance scheduled in advance of catastrophic failure.

**PRECISION ACCELEROMETER**
MODEL 622B01 AND M622B01
- Full frequency sweep calibration: 5% sensitivity deviation tolerance
- 15 kHz high frequency response ideal for early detection of bearing fluting conditions
- Ideal for route-based data collection

**VERY HIGH FREQUENCY ACCELEROMETER**
MODEL 621C40
- 30 kHz frequency, even with magnet
- Titanium housing
- Smallest available footprint

**PRECISION ACCELEROMETER**
MODEL 600A12A
- This high frequency 10 mV/g accelerometer kit features a very small accelerometer with a magnet and cable assembly
- High frequency response to 30 kHz, even when mounted magnetically
- Supplied with 5 ft. cable with BNC plug termination
- Kit features Model 621C40 accelerometer with titanium housing
ACCESSORIES

CABLES & CONNECTORS

- Coiled TPE Cable with BNC Plug to 2-Pin MIL Connector
  - Model 050LQ006AC Cabling

- Polyurethane Cable with BNC Plug to 2-Pin MIL-Style Connector
  - Model 508R010AC Cabling

- Lightweight Coaxial Cable with BNC Plug to 5-44 Microdot Plug
  - Model 018C05 Cabling

MOUNTING HARDWARE

- Sensor Mounting Pad
  - Model 080A93: Ø0.75" Model 080A118: Ø1.0"

- Curved Surface Magnet
  - Model 080A131: Ø1.0" Model 080A132: Ø1.5"

- High Frequency Magnet
  - Model 080A157

ENCLOSURES

- BNC Termination Enclosure
  - Model 691A51/04

- BNC Switch Box
  - Model 691C41

- BNC Switch Box
  - Model 691C42

- BNC Termination Enclosure
  - Model 691A50/12
IMI Sensors offers a wide range of industrial vibration sensors, bearing fault detectors, mechanical vibration switches, panel meters, cables, and accessories for predictive maintenance and equipment protection. For power generation and energy applications requiring precision measurements, IMI also offers pressure sensors and accelerometers.