

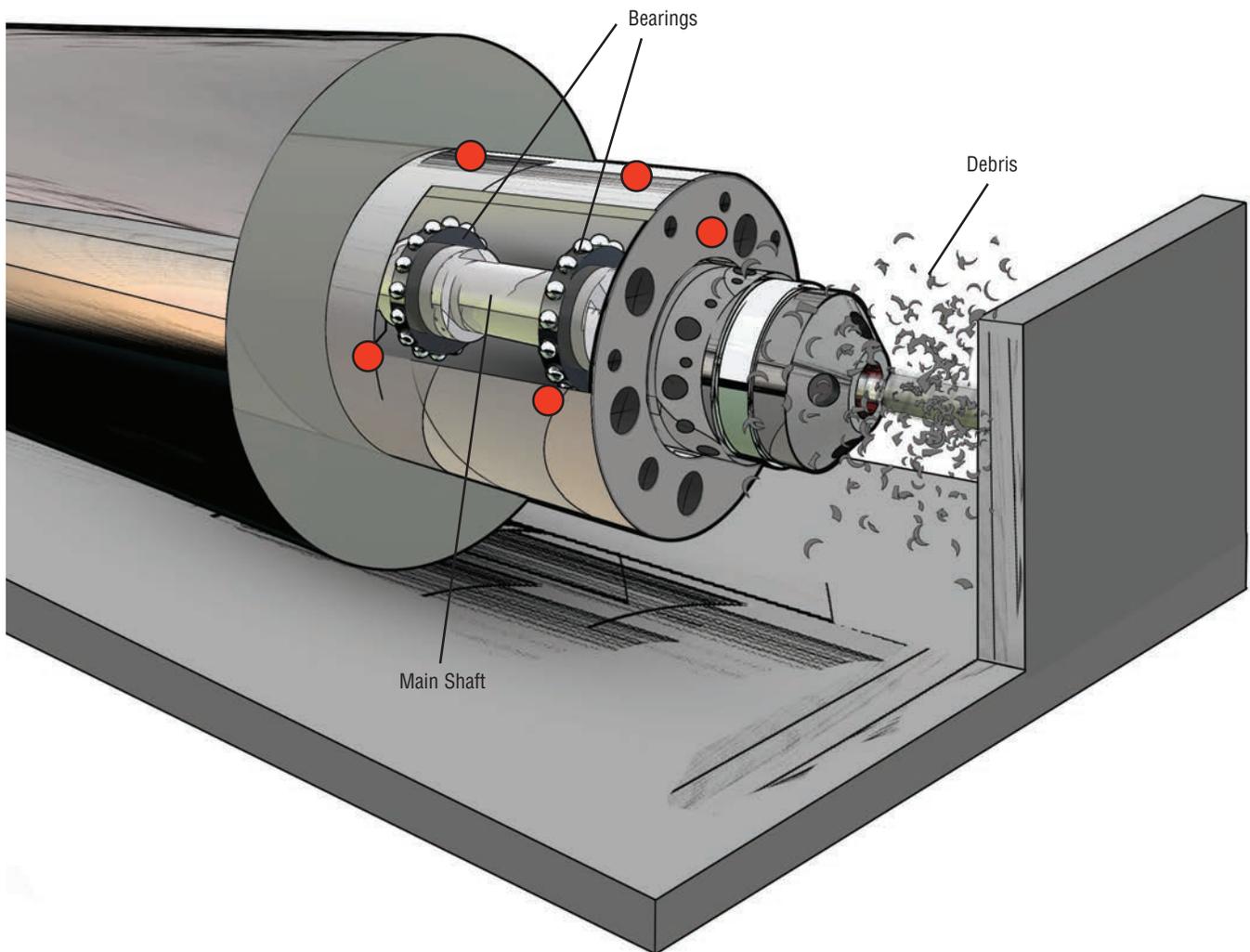
MACHINE TOOL SPINDLES

 **IMI SENSORS**
A PCB DIVISION

pcb.com/imi-sensors | 1 800 959 4464

PREDICTIVE MAINTENANCE

Vibration monitoring of machine tools is useful for the analysis of tool life, tool integrity, part quality and preventing unexpected tool failure causing unscheduled downtime. Machining processes, like cutting, generate very high levels of vibration, therefore a 100 mV/g accelerometer or less is always recommended. Furthermore, cutting operations often leave the accelerometer exposed to large amounts of cutting fluids and razor sharp chips and metal scrap. To prevent damage, it is always recommended to utilize a sensor with integral armor jacketed cable in this environment.



ICP® ACCELEROMETERS



CE

LOW COST ICP® ACCELEROMETER

MODEL 602D01

- Easy installation in tight spaces
- No cable/connector clearance required
- Less than 1 in height
- M12 connector version available



DUAL OUTPUT VIBRATION AND RESISTANCE TEMPERATURE DETECTOR (RTD)

MODELS RTD602D91, RTD602D11

- Ceramic shear ICP® accelerometers w/ or w/o integral polyurethane cable
- Sensitivity ($\pm 10\%$): 100 mV/g (10.2 mV/(m/s²))
- Measurement Range: ± 50 g (± 490 m/s²)



CE

LOW COST ICP® ACCELEROMETER

MODELS 607A11 & 607A61

- Patented 360° swivel mount
- Allows for easy cable orientation
- Very low profile for installation in tight spaces



CE

HIGH FREQUENCY ICP® ACCELEROMETER

MODEL 623C01

- 15 kHz high frequency response
- 10 mV/g or 100 mV/g options
- Intrinsically safe models available



CE

LOW COST ICP® ACCELEROMETER

MODEL 603C01

- General purpose, hermetically sealed
- IMI's most popular accelerometer
- Small footprint
- M12 connector version available



CE

PRECISION ICP® ACCELEROMETER

MODEL 625B01

- Side exit, ring-style
- Low frequency response to 12 cpm (0.2 Hz)
- Ceramic sensing element



CE

PRECISION ICP® ACCELEROMETER

MODEL 625B61

- 5% sensitivity tolerance
- Through-hole mounting
- Intrinsically safe, velocity output versions



3425 Walden Avenue, Depew, NY 14043 USA

pcb.com/imi-sensors | imi@pcb.com | 800 959 4464 | +1 716 684 0003

© 2023 PCB Piezotronics - all rights reserved. PCB Piezotronics is a wholly-owned subsidiary of Amphenol Corporation. Endevo is an assumed name of PCB Piezotronics of North Carolina, Inc., which is a wholly-owned subsidiary of PCB Piezotronics, Inc. Accumetrics, Inc. and The Modal Shop, Inc. are wholly-owned subsidiaries of PCB Piezotronics, Inc. IMI Sensors and Larson Davis are Divisions of PCB Piezotronics, Inc. Except for any third party marks for which attribution is provided herein, the company names and product names used in this document may be the registered trademarks or unregistered trademarks of PCB Piezotronics, Inc., PCB Piezotronics of North Carolina, Inc. (d/b/a Endevo), The Modal Shop, Inc. or Accumetrics, Inc. Detailed trademark ownership information is available at www.pcb.com/trademarkownership.

IMI-APP-MachineTools-0923