

# MACHINE TOOL SPINDLES

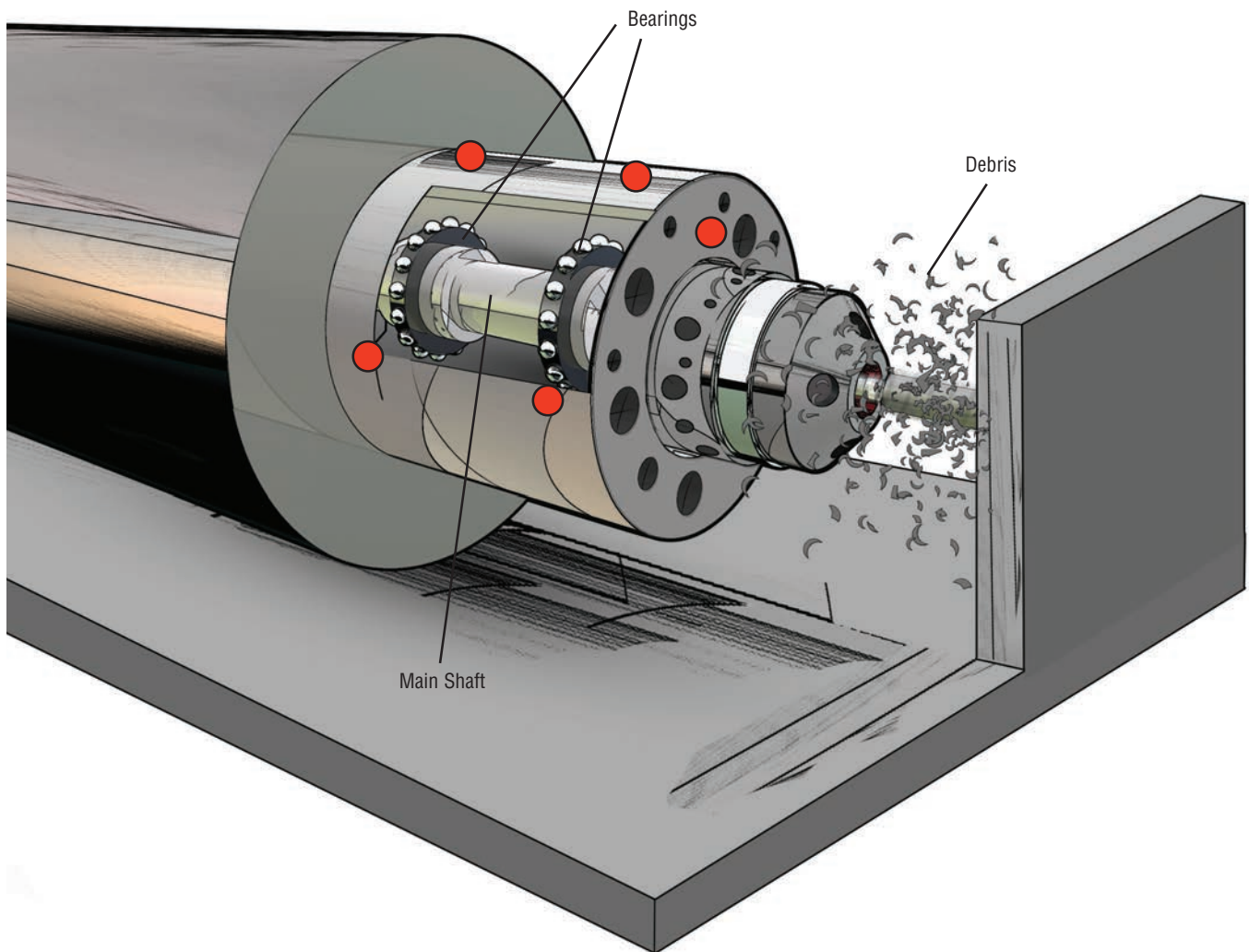
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 **IMI SENSORS**  
A PCB DIVISION

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## 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



### 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



### LOW COST ICP® ACCELEROMETER

MODEL 603C01

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



### LOW COST ICP® ACCELEROMETER

MODELS 607A11 & 607A61

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



### HIGH FREQUENCY ICP® ACCELEROMETER

MODEL 623C01

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



### PRECISION ICP® ACCELEROMETER

MODEL 625B01

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



### PRECISION ICP® ACCELEROMETER

MODEL 625B61

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



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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.

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