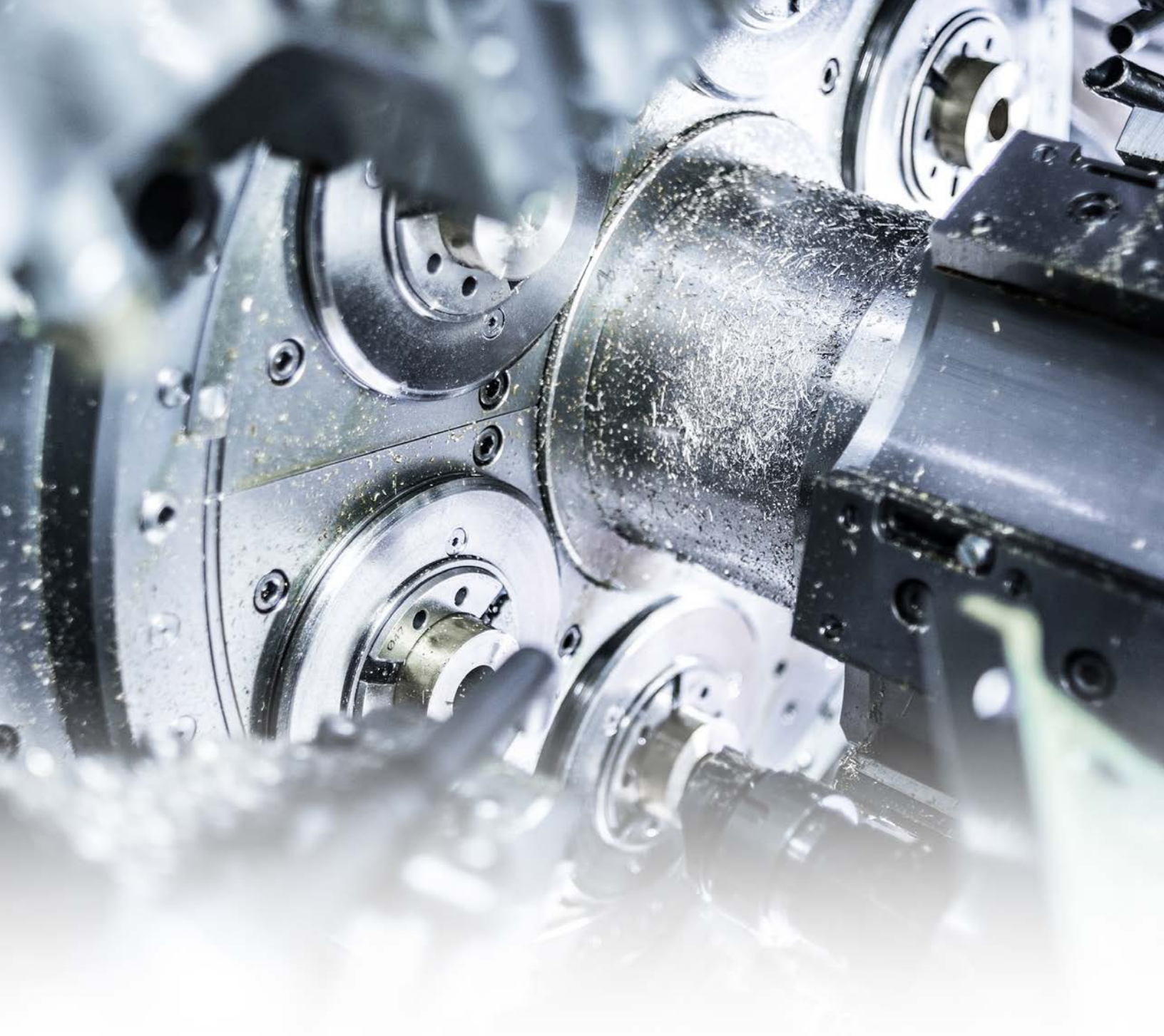


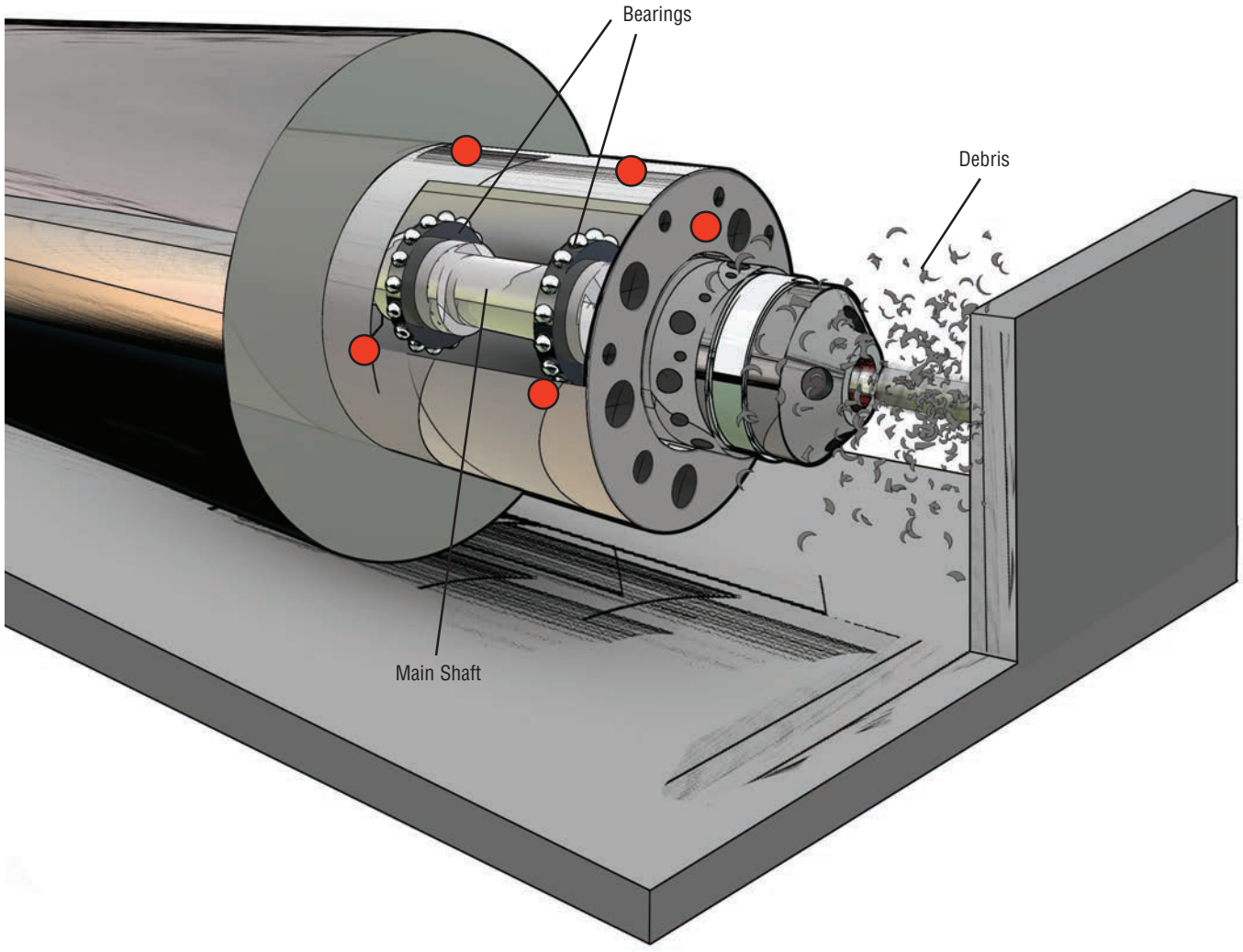
MACHINE TOOL SPINDLES

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

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 (±10%): 100 mV/g (10.2 mV/(m/s²))
- Measurement Range: ±50 g (±490 m/s²)

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

LOW COST ICP® ACCELEROMETER
MODEL 603C01

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