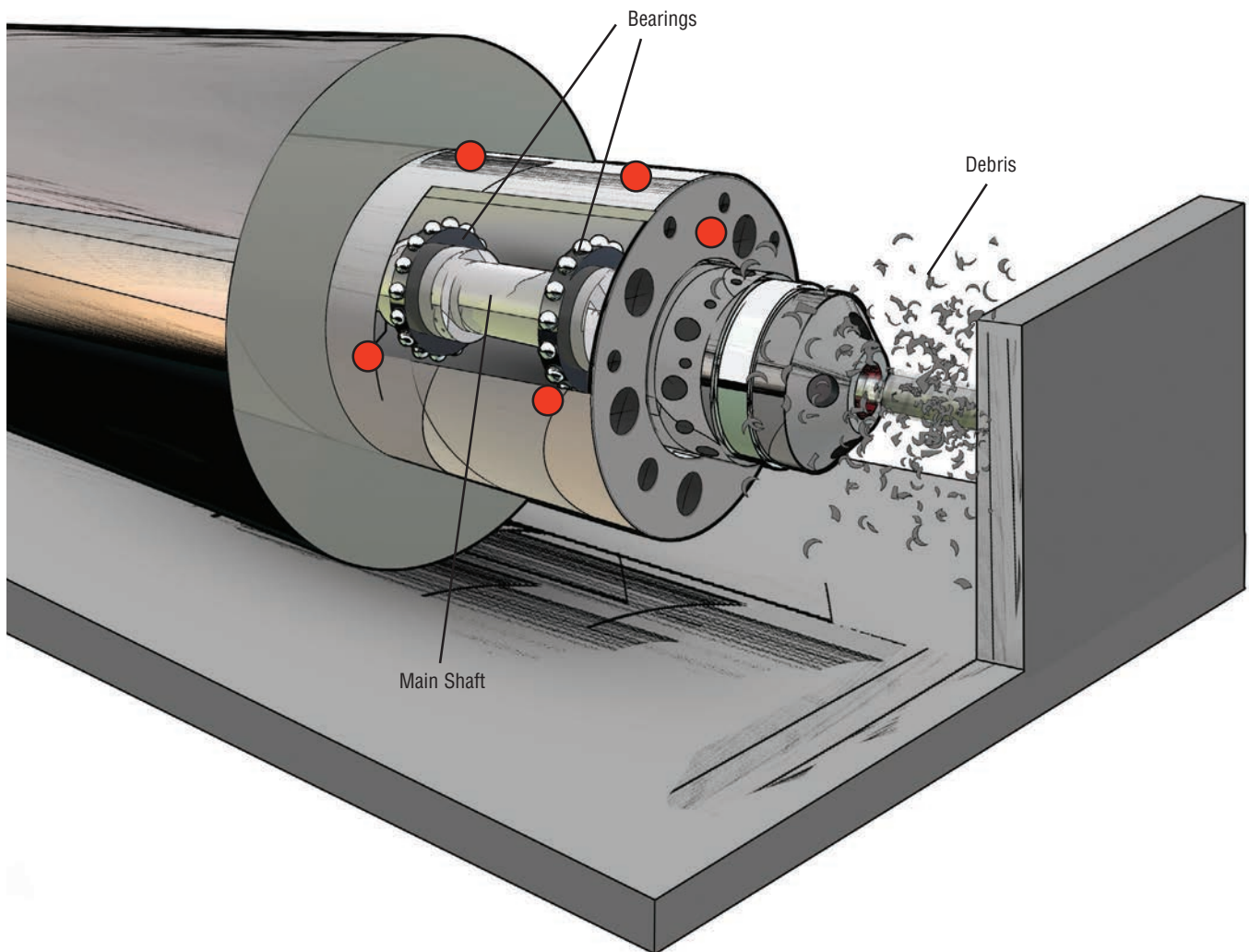


MACHINE TOOL SPINDLES

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

CE



CERAMIC SHEAR ICP® ACCELEROMETERS W/ OR W/O INTEGRAL POLYURETHANE CABLE

MODELS RTD602D91, RTD602D11

Dual output vibration & Resistance Temperature Detector

Sensitivity ($\pm 10\%$): 100 mV/g (10.2 mV/(m/s²))

Measurement Range: ± 50 g (± 490 m/s²)

Single-point ISO 17025 accredited calibration

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



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