

Fowler

Trimos High Precision Tool Presetter



▲ # 54-188-745 Presetters currently equipped with Metronics' Tool-Chek readout. Indicator holder not included with Presetter.

Combining a quality projector and a powerful readout, our Optical Tool Presetter offers a superior tool for the shop floor. Made in Switzerland, this non-contact measuring instrument allows a resolution of .00005"(.001mm).

Presetter Features

- Non-contact measuring
- 10X or 20X projector
- Metronics Tool-Check readout
- Built-in vacuum retaining device
- ISO 40 or ISO 50 taper (reducing adaptors optional)
- Resolution to .00005" (.001mm)



Tool-Chek Features

Powerful, intelligent, easy to use, the Tool-Chek can store up to 9 zero points by measuring setting gages and when stored, the measurement of tool offset values from nominal dimensions is fast and easy. Designed specifically for tool presetting equipment, the Tool-Chek uses angle, vertex point and multi-point radius functions for complex tool geometric measurements.

- Stores 9 setting gages and up to 300 tools.
- Tool sequences for repeat measurement.
- Print or view actual tool values/deviations.
- Incremental/absolute zero. Freeze display.
- Inch/metric displays. Preset datum.
- Radius, circle measurement.
- Z,X position of a circle, radius.
- Angle/vertex point measurement.
- Skew function for alignment.
- Reference mark capability.
- Display X axis in radius or diameter mode.
- Associate tool crib location to tools.
- Map tools to CNC 'pot' locations.
- RS232 serial port
- Segmented linear error correction





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Specifications

Measuring range:	X-Coordinate	= 6"/150mm (max. dia. = 12"/300mm)
	Z-Coordinate	= 16"/400mm
Resolution of digital indication units		.00005"/.001mm
Concentricity of spindle unit in relation to the axis of the tool pot, maximum error over 16"/400mm		= .0006"/0.015mm (progressive from the top surface of the tool pot)
Squareness of the Z-coordinate in relation to the axis of the tool pot, maximum error over 16"/400mm		= .0002"/.005mm
Accuracy:	X-Coordinate	over 6"/150mm = ± .0002"(.005mm)
	Z-Coordinate	over 16"/400mm = ±.0004"(.010mm)

Presettors and Accessories



Order No.	Description
54-188-760	Optical Tool Presetter. X-Coordinate 0-6"/150mm; Z-Coordinate 0-16"/410mm. Includes scales, readout, vacuum retaining device, 10X optics and ISO 50 taper.
54-188-769	Optical Tool Presetter. X-Coordinate 0-6"/150mm; Z-Coordinate 0-16"/410mm. Includes scales, readout, vacuum retaining device, 20X optics and ISO 40 taper.
54-188-770	Optical Tool Presetter. X-Coordinate 0-6"/150mm; Z-Coordinate 0-16"/410mm. Includes scales, readout, vacuum retaining device, 20X optics and ISO 50 taper.
54-188-741	Dual axis indicator holder
54-188-742	Single indicator holder for X-axis
54-188-725	Replacement bulb 6V 20W for Optical Tool Presettors.
54-188-771	Master set gage ISO 50
54-188-772	Master set gage ISO 40
54-188-773	Master set gage ISO 30
54-121-000	Reduce adaptor: ISO 50/45
54-121-005	Reduce adaptor: ISO 50/40
54-121-010	Reduce adaptor: ISO 50/35
54-121-015	Reduce adaptor: ISO 50/30
54-123-000	Reduce adaptor: ISO 50/MT5
54-123-005	Reduce adaptor: ISO 50/MT4
54-123-010	Reduce adaptor: ISO 50/MT3
54-123-015	Reduce adaptor: ISO 50/MT2
54-125-000	Reduce adaptor: ISO 50/VDI (20mm)
54-125-005	Reduce adaptor: ISO 50/VDI (30mm)
54-125-010	Reduce adaptor: ISO 50/VDI (50mm)