

Fred V. Fowler Company, Inc.



Tool Presetters



**.00005"
.001mm
Resolution**

All units include probe holder & measuring insert w/flat tungsten carbide surfaces, 2 batteries, manual & test/guarantee certificate. Unit No. 54-188-601 also includes 3 support pads & mains cable for vacuum pump.

Fowler's improved Tool Presetter Series II features Direct RS232C output, min/max/tir, tolerance limits and preset recall • Two built-in displays features .00005"/.001mm or .0005"/.01mm resolution • Built-in zero stops for X and Z axes • 50 or 40 taper models • adaptors available for other tapers • Tool pot rotates 360°, positive lock • Radius or diameter display • Bidirectional (half-duplex) data transmission.

No. 54-188-401 & 501: Knurled knobs for displacement of carriage activate friction measuring pressure. Displacement of the measuring arm by a sliding movement. Measuring pressure set through a tension spring. Tool carrying spindle unit simulates ISO 40 or 50 taper mounting. Locking of spindle at any point of rotation. Instrument affixes to a bench. Column adjusts for increased capacity.

No. 54-188-601: Handwheel for vertical and horizontal displacement. Two handwheels embody a preload ring to set a constant measuring pressure in either direction. Includes a friction slide and fine adjustment screw. Tool carrying spindle unit simulates ISO 50 taper mounting. 12 divisions rotating at 30° with fixing device. Spindle locks at any point of rotation. Vacuum retaining of tools.



Order No.	Description and Capacity
54-188-401	40 Taper Tool Presetter II. X = 4"/100mm; Z = 12"/300mm; maximum diameter 8"/200mm.
54-188-501	50 Taper Deluxe Tool Presetter II. X = 6"/150mm; Z = 16"/400mm; maximum diameter 12"/300mm.
54-188-601	50 Taper Tool Presetter II. X = 6"/150mm; Z = 17.7"/450mm; maximum diameter 12"/300mm.



Trimos

Fowler's newest Tool Presetter the Trimos Optima features contemporary design combined with cutting edge technology.

	Optima 310	Optima 462
Measuring Range Diameter (X):	310mm	462mm
Measuring Range Height (Y):	320/422mm	523/625mm
Maximum Permissible Errors:	µm	µm
Maximum Concentric Error at 300mm:	8µm	8µm
Maximum Resolution:	.001µm	.001µm
Repeatability (2s):	3µm	3µm
Maximum Manual Displacement Speed:	1m/s	1m/s

Indicated specifications are determined at a temperature of 20±.5C° and a relative humidity of 50 ±5%.



Order No.	Description
54-188-800	Optima 310 Tool Presetter
54-188-800	Optima 462 Tool Presetter

Available September 15th, 2004

