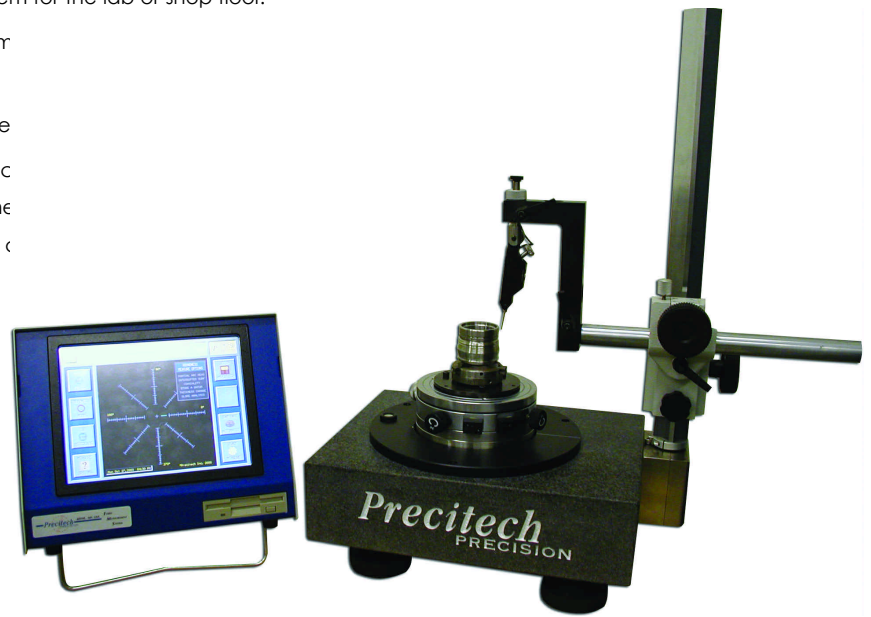




Features & Benefits

- Low-cost, large capacity circular form measurement system for the lab or shop floor.
- Includes a heavy duty base and industrial packaged control or desktop PC version.
- Equipped with model 20 lever-type gage head and gage
- The 6" (150mm) air bearing spindle with $\pm 1\mu$ " ($\pm 0.02\mu\text{m}$) ac speed (6 and 10 rpm) digital servo drive enables exact measurement of roundness, flatness, eccentricity, FIM, perpendicularity, etc.
- Harmonic analysis and DR/D ϕ software allows in-depth workpiece analysis for improving the manufacturing process and predicting part performance.
- Accommodates workpieces up to 16"dx17"hx200lbs.
- The heavy duty base is designed to accept two gage post and arm assemblies and/or an optional air bearing live center for quick setup and measurement of shaft type parts.
- Comes equipped with printer and operators instruction manual.



Specifications

Measurement (max)	Diameter	Height	Weight
Basic System	8.0" (200mm)	17.00" (432mm)	200lbs. (91Kg)
With Live Center	8.0" (200mm)	15.00" (380mm)	200lbs. (91Kg)
With Tilt & Center	8.0" (200mm)	15.62" (397mm)	100lbs. (45Kg)

Range/Resolution	Minimum	Maximum
Ranges	$\pm 50\mu$ " ($\pm 1.25\mu\text{m}$)	± 0.010 " ($\pm 0.25\text{mm}$)
Chart Scale	5μ " (0.1 μm)	0.001" (0.025mm)
Filter Response	0-15 CPR, 0-50 CPR, 0-150 CPR, 0-500 CPR	
Reference Circles	LSC, MRS, MIC, MCC (ANSI B89.3.1 -'72-'98) or none (manual)	

Rotary Table (Spindle)	Diameter	Rotation	Speed
Hardened SS Air Bearing System	6.00" (150mm)	Clockwise	6RPM/10RPM
Accuracies	$\pm 3\mu$ " ($\pm 0.075\mu\text{m}$) axial and radial 1μ "/in. (0.025 μm /25mm) angular (coning)		

Tilt & Center Table.	Opt. 6" or 8" (150mm or 200mm)
Load Capacity:	100 lbs. (45Kg)
Center of Tilt	(above worktable) 2" (51mm)
Tilt Range	$\pm 1^\circ$
Centering Range	± 0.100 " (2.54mm)
Radial Flatness	(concave): 0.0002" (0.005mm)
Circular Flatness	0.0001" (0.0025mm)

Gage Head, Adjustable Pivot Lever-Type

Gaging Range	± 0.010 " ($\pm 0.25\text{mm}$)
Gaging Force	0.18oz. (5g), bi-directional
Fine Adjust Range	0.250" (6.35mm)
Contact Point	0.062" (1.6mm), dia. ruby ball

Base Module

Dimensions	Weight
Granitee Base w/spindle without live center	15"(375mm)W X 8"(200mm)H X 12"(300mm)D 101 lbs. (46Kg)
Gage Post & Arm	V. Travel 16.9" (422mm) 15 lbs. (7Kg)

CIM

Dimensions	Weight
Color Touchscreen	10.4" (265mm) Active Matrix
Computer Module	12.5"X10.5"X10.25" 15 lbs. (7Kg)

Utilities

Operating Pressure	30-60PSIG (2-4 bars)
Air	1.2SCFM (0.034m ³ /m) @60PSIG (4bars)
Filter/Regulator	5 micron built on base module
Power	85-264VAC, 50-60Hz, 40watt

