



EXTREME VALUE Package **Universal Benchtop Manual** **CMM Package - from Helmel of course!**

**Utterly Handy, Rugged and Accurate Manual CMM with
Travel Range of 16" x 20" x 14" (400mm x 500mm x 350mm)**

INCLUDES:

- TP-ES Fixed Vertical Probe Head with Starter Stylus Kit
- Helmel's Powerful Geomet Junior Software & PC System
- Locks and Fine Adjustment in All Axes
- All Mechanical Bearings - no compressed air needed
- Certified Calibration Sphere and Training Widget
- Full Year Warranty and Software Support

Surprisingly only
\$19,950.00



made in usa
by America's CMM Builder





EXTREME VALUE PACK INCLUDES:



MODEL	TRAVELS			OVERALL		
	X	Y	Z	W	L	H
216-142	16"	20"	14"	29"	35"	45"
(mm)	400	500	350	740	890	1145

SPECIFICATIONS

Resolution: 0.000020" (0.5µm)
 Repeatability: 0.00013" (3.3µm)
 Linear Accuracy: 0.00013"+0.000005"/in.
 (3.3+L/200)µm, L=mm
 Performance per ASME B89.4.1a-1998
 Utility: 12-230V~, 50-60Hz, 15A
 grounded main power supply

Helmel CMMs have all mechanical bearing motion. There are no air bearings, making a compressed air supply unnecessary. Our CMMs are constructed with Intrinsic Mechanical Accuracy - IMA: They are physically straight, flat, square and parallel with precision derived from the structure.

TYPICAL OPTIONS

- Rugged Steel Stand with Monitor Shelf, PC Shelf and slide out Keyboard Drawer
- Renishaw MH20i Manually Indexing 2-Axis Probe for 0-90° Elevation and ±180° Rotation for 168 repeatable positions plus interchangeable Stylus Modules
- Extended Stylus Kit
- Clamp Kits with (2) each of 4" or 8" tall posts with clamping arms
- InkJet type Printer with Printer Shelf at side of Stand
- Installation and Calibration Check of the Checkmaster at your facility



TP-ES Fixed Vertical Probe with M3-to-M2 Stylus Adapter for the Full Range of M2 Styli.



The Standard M2 Stylus Kit includes 2, 3, 4 and 6 mm Styli, Extensions, a 5-Way Center and Tools.



Hemel's GEOMET Junior Software is installed and tested with the included computer system. This is a proven, powerful yet easy version of Geomet 3D CMM software with auto-self-teach programming and reverse engineering tools. See User Guide at iGeomet.com. Startup (60) days Software Service included.



Ø1.0000" Sphere with base for Probe Calibration and traceable Size Documentation.



The Helmel WIDGET Training Part is a tool linked to the User Guide examples. A part Print and CAD file are available.



The Helmel Warranty provides a full (1) Year of protection and includes all system components

NOTE: Training at Helmel is optional. The User Guide is FREE on line. Contact Sales@Hemel.com - or call 1-800-BEST-CMM for details.



www.hemel.com

