CHECKMASTER 216-142

Universal Compact Manual CMM 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:

Helmel's Powerful Geomet Junior Software & PC System

Locks and Fine Adjustment in All Axes

All Mechanical Bearings - no compressed air needed

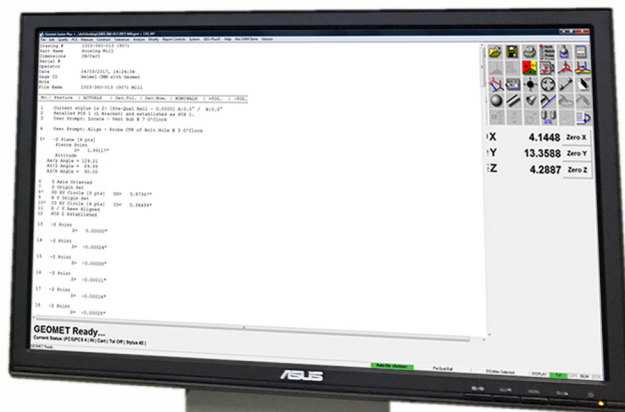Certified Calibration Sphere and Training Widget

Full Year Warranty and Software Support

See probe options

CHECKMASTER 216-142

HELMEL

made in usa
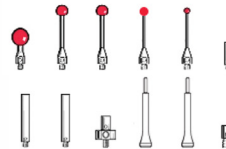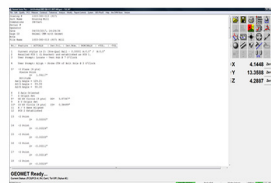by America's CMM Builder

HELMEL

BASIC *CHECKMASTER* INCLUDES:

- Granite Base with Clamping Inserts
- Steel Stand, PC Compartment, Keyboard Drawer, Side Shelf for Monitor/Mouse, and Leveling Feet with Isolation
- Steel Moving Bridge Construction • Spring Reel Counterbalance
- Precision Bearings and Hardened and Ground Ways
- Non-contact Optical Steel Tape Scales and Reading Heads
- Locks and Prcision Adjustment on X, Y and Z axes
- Windows 10 PC with 19" Monitor, Keyboard and Mouse
- Geomet Keystroke Magic™ Keylabels • Helmel Procounter 3-axis Interface

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

Helmel'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@Helmel.com - or call 1-800-BEST-CMM for details.

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
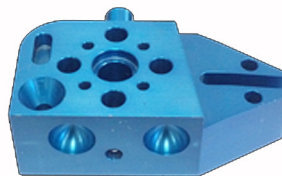grounded main power supply

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.
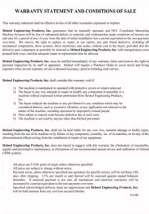
TYPICAL OPTIONS
- Advanced Geomet 101 Plus level Software with expanded Features and Graphics
- Economical TP-ES Fixed Vertical Probe
- Renishaw MH20i Manually Indexing 2-Axis Probe for 0-90° Elevation and ±180° Rotation for 168 repeatable positions plus interchangable Stylus Modules
- Extended Stylus Kit
- Video Probe with Ringlight and Cross Hair
- 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

www.helmel.com