



iCROSTAR EV 430-202

EXTREME VALUE

***Affordable, Powerful, Reliable
CMM Package from Helmel of course!***

**Large Base CMM with Travel Range of
30" x 40" x 20" (750mm x 1000mm x 500mm)**

INCLUDES:

PH10T Plus Auto-Indexing Motorized Probe Head

TP20 Probe with (2) Stylus Modules plus Starter Stylus Kit

MCR20 (6) Port Stylus Change Rack

Hemel Geomet 101 Software & PC System

Proven Helmel PMAC Controller with Joystick

Certified Calibration Sphere and Training Widget

Full Year Warranty and Software Support



***Incredibly just
\$67,950.⁰⁰***



made in usa
by America's CMM Builder



Model	Travels			Overall		
	X	Y	Z	W	L	H
430-202	30"	40"	20"	51"	70"	97"
	750mm	1000mm	500mm	1295mm	1780mm	2465mm

SPECIFICATIONS:

Resolution: 0.00002" (0.5µm)
Repeatability: 0.00011" (3.0µm)
Linear Accuracy: 0.00012"+0.000007"/in. (3.0+L/143)µm, L=mm
Performance per ASME B89.4.1a-1998.

Tests are at 68°F and 50% relative humidity.

Utility: 120-230V~, 50-60Hz, 20A grounded main power supply.

Helmel CMMs have all mechanical bearings. There are no air bearings and an air supply is not required. Our CMMs are constructed with Intrinsic Mechanical Accuracy – **IMA**; they are physically straight, flat, square, and true, with precision derived from the structure, not from software error mapping.

Base CMM includes:

- Dual beam bridge design
- Bearings, ways, drives (DCC systems) and scales are covered or guarded
- Precision bearings on hardened & ground ways
- Non-contact optical steel scales mounted on steel
- Granite base with (18) 3/8-16 Threaded inserts
- Steel control cabinet on wheels
- Helmel PMAC Motion Controller
- Rugged 3-axis joystick
- Latest computer hardware
- 21" LCD monitor
- Pull-out keyboard with Keystroke Magic™ Key Labels
- GEOMET 101+ DCC software
- Training part and manual
- 1" calibration sphere
- 1 Year Warranty and Software Service Contract

NOTE: Installation and Training are extra.

EXTREME VALUE PACK INCLUDES:



Motorized PH10T Plus Fast Auto-indexing Probe Head with M8 Threaded mount. Elevate 0° to 105° in 7.5° increments. 720 Total repeatable positions. Supports 300mm Probe Extensions. Head controlled through software.



TP20 Touch-Trigger Probe mounts to PH10T. Options for Low, Standard, Medium and Extended force Modules, and extra length Modules support a Stylus reach to 125mm.



(2) TP20 Standard Force Interchangeable Stylus Modules for Automatic Stylus Changes. A Starter Stylus Kit with Stylus Extensions and pin wrenches is included.



MCR20 (6) Port Stylus Change Rack supports automatic stylus changes for up to six stylus configurations with purchase of additional Modules.



Helmel's GEOMET 101 Software System is installed and tested with the CMM and included computer system. This is a proven and powerful full 3D capable software package for self-teach inspection programs and reverse engineering. Download the Geomet User Guide PDF at iGeomet.com. (1) Year Software Service Contract is included.



Certified Ø1.0000" Sphere for probe system Calibration includes Traceable Size Documentation. The elevating base includes a 3/8-16 screw thread for mounting the Sphere in any of the (18) plate inserts.



The Helmel WIDGET Training Part is a learning tool linked to the User Guide examples and is supplied with a Part Print and an IGES CAD Model.



Helmel's Warranty provides a full (1) year of protection and includes all system components.



Builders of CMMs since 1973

Contact Helmel for the full range of options, accessories, and training.
1-800-BEST-CMM (1-800-237-8266)