

JAMES PRECISION ENGINEERING PTE LTD

27 Woodlands Industrial Park E1, #02-06 Hiangkie Industrial Building IV, Singapore 757718
 Tel: (65)63673787 Fax: (65)63664428
 E-mail: jamespl@singnet.com.sg
 web: www.cmm.com.sg



Checkmaster – Manual CMM

The compact Checkmaster is a bench top CMM ideal for lab or production floor. Hardened steel ways and steel scales on steel structures offer uniform linear expansion minimizing thermal errors. Checkmaster is well priced so you can put competent inspection capability in multiple locations throughout your plant.

Intrinsic Accuracy Manual CMMs

We test every CMM before it leaves the factory for repeatability and accuracy to insure it meets specification according to ASME B89.4.1a-1998. Accuracy is intrinsic: Checkmaster is manufactured by Helmel to be straight, flat, square and true physically without having to apply a costly software error map to make it right.

Every Checkmaster is designed and packaged for fast and secure installation by the customer. All key components are protected during shipping by specially designed brackets, that when removed, ensures the CMM is ready for your first inspection.



Model Number	Measuring Range			Weight
	X	Y	Z	
112-102	300mm (12")	300mm (12")	250mm (10")	230lbs (105kg)
216-142	400mm (16")	500mm (20")	350mm (14")	330bs (150kg)

Model Number	Overall Size		
	X	Y	Z
112-102	635mm (25")	685mm (27")	965mm (38")
216-142	735mm (29")	915mm (36")	1150mm (45")

Model Number	Utility
112-102, 216-142	100-240 VAC, 50-60Hz 10A

- Tubular bridge style design
- Precision bearings on hard and ground ways
- Granite base with 3/8-16 clamping inserts
- Locks and fine adjustment on all axes
- Adjustable counter balance
- Non-contact optical steel scales on steel structure
- .5µm (.000020") Resolution
- Wired for Renishaw Touch Probes
- USB Scale and Probe interface
- Latest computer hardware
- Flat Panel Monitor
- Powerful GEOMET Junior Plus 3D Software
- On-line user guide and on-line help for GEOMET
- Geowidget training part and manual
- 1" (25.4mm) Calibration Sphere
- On-line access to software upgrades
- 1 Year Warranty
- Cabinet or stand is optional