

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



PHOENIX DCC

The Phoenix line of CMMs offers two popular sizes to fit your quality inspection needs. Building on decades of experience with shop floor Coordinate Measuring Machines, Helmel now offers the Phoenix... a heavy-duty, DCC version of its popular Checkmaster benchtop manual CMMs. The Phoenix is made for harsh environments, with well-placed covers that prevent temperature shock. Its steel measuring scales on metal structures assure uniform expansion.

The Phoenix CMM incorporates all the time-proven features of its "big brother", the Microstar: hardened precision-ground ways, dual beam bridge with reliable V-and-Flat bearing arrangement and intrinsic accuracy. The latter is very important to reliably retain accuracy over time and reduce calibration cost. The Phoenix comes equipped with a full granite base and ergonomic stand.



The motorized system is outfitted with the powerful PMAC controller, the latest computer system and our proprietary GEOMET software, the best CMM package on the market.

An optional Renishaw UCC2 Controller can be ordered to enhance capabilities in support of the PH20 Probe with "head-tap" mode or SP25 continuous scanning.



Specifications:	Model Number	X Y Z	Overall Size	Weight
	112-102	12" 12" 10"	47" 30" 74"	198kg
	216-142	16" 20" 14"	49" 40" 84"	280 kg

Standard Features:

- Dual beam bridge design
- Bearings, ways, drives and scales are covered
- Precision bearings on hardened and ground ways
- Non-contact optical steel scales mounted on steel structure
- .5µm (.000020") Resolution
- Granite base
- 3/8-16 clamping inserts
- Wired for Renishaw Touch Trigger Probes
- Machine Cabinet
- Rugged 3-axis joystick
- Latest computer hardware
- Flat panel LCD monitor
- Pull-out keyboard with GEOMET Keystroke Magic™ keylabels
- GEOMET 101 DCC software
- Training part and manual
- 1" (25.4mm) calibration sphere
- 1 Year Warranty
- On-line access to software upgrades

Options:

- Renishaw Probe Systems TP-ES, MH20i, RTP20, and PH20
- Probeheads PH6, MH8 and PH10T with TP20 or TP200 probes
- Renishaw Stylus change racks
- GEOMET 301
- Color Printer
- ProLink QC-Calc SPC Software
- UPS Battery back-up system
- Clamp kit
- Vibration Isolation pads
- Casters for portability
- Turnkey Systems - have Helmel provide complete fixture design/build and part programming for your projects. We can deliver your new CMM ready to run.
- Integrate your Helmel CMM into a cell or production line with our I/O Option to communicate with automation and provide output for process control.