


GALAXY H™

Manual Controlled CMM

 **Automated Precision Inc.**
www.apisensor.com



Compact, Efficient, and Fast.

The Galaxy H Coordinate Measuring Machine (CMM) is a manually controlled horizontal arm measuring and layout machine built to perform common shop measurements and marking-out applications. This cost-effective solution is available in single, double or in multi-arm configurations.

Compatible probing system

The Galaxy H is compatible with different models of probing heads from Renishaw. For instance, the Renishaw MH8 indexable probe head is capable of repeatable indexing up to 168 different positions eliminating the need to re-qualify the stylus tip position after orientation.

Variety of Applications

The Galaxy H is commonly used in automotive assembly, as well as to measure engineering machinery. It is also used in locomotive construction, foundry industries, and for the layout and measurement of castings (rough and finished). The Galaxy H can be used in design and model making, and to verify models, dies and molds with respect to their CAD geometry.



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Equipment Highlights:

- Available in single, double arm or in multi-arm configuration
- Easy accessibility to the work space, set up area
- Major components are made of aluminum
- X-axis high-accuracy linear guide way
- Y and Z-axis on precision mechanical roller bearings
- Magnetic Linear Encoders for high accuracy and reliability in harsh environments
- A Twin-wire anti-fall securing system for the Z-motion protects the operator and the workpiece
- XYZ digital position readout
- Can be integrated with a variety of measurement software and controllers

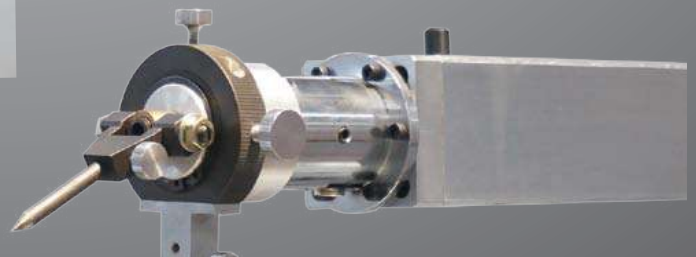
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Multiple CMM mounting configurations

- Runway Architecture (X beam onto the floor or foundation next to a table)
- Console Architecture (Side mounted column arm system with integrated table)
- Table Architecture (Supports the measuring machine and the workpiece)
- Large measuring envelope with an X-axis range of 3000mm to 15000 mm





GALAXY H Specifications

Models	Strokes -mm (in)			Measuring Accuracy (μm) (Single)	Overall Dimensions -mm (in.)		
	X	Y	Z		Length	Width	Height
30.12.15CT2	3000 (118,1)	1200 (47,2)	1500 (59,1)	$\pm 50+50L/1000$	5000 (196,9)	3500 (137,8)	2600 (102,4)
40.14.20CT2	4000 (157,5)	1400 (55,1)	2000 (78,7)	$\pm 50+50L/1000$	6000 (236,2)	3900 (153,4)	3100 (137,8)
60.14.25CT2	6000 (236,2)	1400 (55,1)	2500 (98,4)	$\pm 50+50L/1000$	8000 (315,0)	3900 (153,5)	3600 (141,7)
80.14.30CT2	8000 (315,0)	1400 (55,1)	3000 (118,1)	$\pm 50+50L/1000$	10000 (393,7)	3900 (153,5)	4100 (161,4)
60.25.25CT2	6000 (236,2)	2500 (55,1)	2500 (98,4)	$\pm 50+50/1000$	8000 (315,0)	7200 (283,5)	3600 (141,7)
80.25.30CT2	8000 (315,0)	2500 (55,1)	3000 (118,1)	$\pm 50+50/1000$	10000 (393,7)	7200 (283,5)	4100 (161,4)

- All CHXY models are available in both single and dual arm configuration
- GALAXY CHXY series standard X axis measuring strokes mm/in : From 3000mm(118,1in) up to 15000mm (590,5 in)

