SERISE CMM COORDINATE MEASURING MACHINES

FEATURES

- X&Z axis beam are made of aviation aluminum
- RENISHAW steel scale
- High precision, rigid, pre-loaded air bearings on all axis

RENISHAW UCC CONTROL SYSTEM

- High speed measurement & servo control system

RATIONAL-DMIS SOFTWARE

- Unique operation interface, complete drag-and-drop operation
- Instructional programming allows users to replace text
- Intelligent recognition of the construction, calculation and output of relevant geometric elements
- Seamless link with CAD data

RENISHAW PROBE BODY

- The TP20 is a touch trigger probe
- The TP200 is a touch triggered probe of electronic strain sensing technology, with high measurement accuracy and operate life
- The SP25M is high performance scanning and touch trigger probe



HIGH ACCURACY

Code	Range	Probe system		Accuracy			Weight	Maximum load capacity
		Head	Body	Mpee	Mpep	Mpethp		
CMM-H564A	500x600x400mm	PH10T	TP200	±(1.5+3L/1000)μm	1.7μm	/	790kg	500kg
CMM-H686A	600x800x600mm	PH10T	TP200			/	1560kg	700kg
CMM-H686B		PH10M	SP25M			2.7um/45s		
CMM-H8106A	800x1000x600mm	PH10T	TP200	±(1.7+3L/1000)μm		/	1980kg	1000kg
CMM-H8106B		PH10M	SP25M			2.7um/45s		
CMM-H8126A	800x1200x600mm	PH10T	TP200			/	2250kg	
CMM-H8126B		PH10M	SP25M			2.7um/45s		
CMM-H8156A	800x1500x600mm	PH10T	TP200			/	2550kg	
CMM-H8156B		PH10M	SP25M			2.7um/45s		

Code	Measuring range (X axis)	Measuring range (Y axis)	Measuring range (Z axis)	Resolution of measuring rulers	Speed of movement	Acceleration	Diameter of the calibration sphere
CMM-H564A	500mm	600mm	400mm	0.1μm	750mm/s	1800mm/s2	19mm
CMM-H686A	600mm	800mm	600mm		800mm/s	1900mm/s2	
CMM-H686B							
CMM-H8106A	800mm	1000mm					
CMM-H8106B							
CMM-H8126A		1200mm					
CMM-H8126B							
CMM-H8156A		1500mm					
CMM-H8156B							

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STANDARD ACCURACY

Code	Range	Probe system		Accuracy			Weight	Maximum load capacity
		Head	Body	Mpee	Mpep	Mpethp		
CMM-S564A	500x600x400mm	MH20i	TP20	±(2.1+3.3L/1000)μm	2.2μm	/	790kg	500kg
CMM-S564B		PH10T						
CMM-S686A	600x800x600mm	MH20i	TP20	±(2.2+3.3L/1000)μm	2.3μm		960kg	700kg
CMM-S686B		PH10T						
CMM-S686C		PH10M	SP25M	±(1.9+3.3L/1000)μm	2.0μm	3.0um/45s		
CMM-S8106A	800x1000x600mm	MH20i	TP20	±(2.2+3.3L/1000)μm	2.3μm	/	1270kg	1000kg
CMM-S8106B		PH10T						
CMM-S8106C		PH10M	SP25M	±(1.9+3.3L/1000)μm	2.0μm	3.0um/45s		
CMM-S8126A	800x1200x600mm	MH20i	TP20	±(2.3+3.3L/1000)μm	2.4μm	/	1400kg	
CMM-S8126B		PH10T						
CMM-S8126C		PH10M	SP25M	±(1.9+3.3L/1000)μm	2.0μm	3.0um/45s		
CMM-S8156A	800x1500x600mm	MH20i	TP20	±(2.3+3.3L/1000)μm	2.4μm	/	1600kg	
CMM-S8156B		PH10T						
CMM-S8156C		PH10M	SP25M	±(1.9+3.3L/1000)μm	2.0μm	3.0um/45s		

Code	Measuring range (X axis)	Measuring range (Y axis)	Measuring range (Z axis)	Resolution of measuring rulers	Speed of movement	Acceleration	Diameter of the calibration sphere
CMM-S564A	500mm	600mm	400mm	0.5μm	750mm/s	1800mm/s2	19mm
CMM-S564B							
CMM-S686A	600mm	800mm	600mm				
CMM-S686B							
CMM-S686C							
CMM-S8106A	800mm	1000mm					
CMM-S8106B							
CMM-S8106C							
CMM-S8126A		1200mm					
CMM-S8126B							
CMM-S8126C							
CMM-S8156A		1500mm					
CMM-S8156B							
CMM-S8156C							

STYLI INCLUDED IN TP20 AND TP200

Material	Ball diameter	Length	Quantity
Materialruby ball / stainless steel stem	SØ1mm	10mm	1pc
	SØ2mm	20mm	
	SØ3mm	20mm	
		30mm	
	SØ4mm	10mm	
		30mm	
		40mm	
	SØ5mm	20mm	
		50mm	
Stainless steel stem	/	10mm	
		20mm	
		30mm	