

COORDINATE MEASURING MACHINES

FEATURES

- Classic bridge structure, integrated workbench
- High precision air bearing
- Unique Z-axis anti torque design to reduce rotation error

RENISHAW SYSTEMS

- Precision grating system, including grating and data acquisition device
- UCC control system, including control box and manual operator
- Probe system, including probe head, probe body and styli

Visual DMIS CNC CAD+ SOFTWARE

- The software is designed and developed based on the DMIS standard, with excellent compatibility and versatility
- Geometric element measurement, evaluation of shape and position
- Bidirectional data transfer with mainstream CAD systems, complete graphical display
- Optional specialized modules, such as gear module, worm module, pipeline module, blade module, SPC data analysis module, etc



CMM-LM564A-U

SPECIFICATION

Part No.	Range(X*Y*Z)	Probe system		Accuracy		Max. weight of workpiece	Overall dimension	Weight
		Head	Body	MPEE	MPEP			
CMM-LM564A-U	19.68×23.62×15.74"	MH20i	TP20	±(2.3+L/250)μm	2.4μm	1102lb (500kg)	55.90×44.68×92.52" (1420×1135×2350mm)	1984lb (900kg)
CMM-LM564B-U	(500×600×400mm)	PH10T						
CMM-LM686A-U	23.62×31.50×23.62"	MH20i	TP20	±(2.6+L/250)μm	2.7μm	1763lb (800kg)	68.50×55.90×108.66" (1740×1420×2760mm)	2866lb (1300kg)
CMM-LM686B-U	(600×800×600mm)	PH10T						
CMM-LM686C-U		PH10M	SP25M	±(2.1+L/250)μm	2.1μm			
CMM-LM8106A-U	31.50×39.37×23.62"	MH20i	TP20	±(2.7+L/250)μm	2.8μm	2204lb (1000kg)	76.37×63.77×108.66" (1940×1620×2760mm)	3747lb (1700kg)
CMM-LM8106B-U	(800×1000×600mm)	PH10T						
CMM-LM8106C-U		PH10M	SP25M	±(2.2+L/250)μm	2.2μm			
CMM-LM8126A-U	31.50×47.24×23.62"	MH20i	TP20	±(2.7+L/250)μm	2.8μm	2204lb (1000kg)	84.25×63.77×108.66" (2140×1620×2760mm)	4188lb (1900kg)
CMM-LM8126B-U	(800×1200×600mm)	PH10T						
CMM-LM8126C-U		PH10M	SP25M	±(2.2+L/250)μm	2.2μm			
CMM-LM8156A-U	31.50×59.06×23.62"	MH20i	TP20	±(2.7+L/250)μm	2.8μm	2204lb (1000kg)	96.06×63.77×108.66" (2440×1620×2760mm)	4850lb (2200kg)
CMM-LM8156B-U	(800×1500×600mm)	PH10T						
CMM-LM8156C-U		PH10M	SP25M	±(2.2+L/250)μm	2.2μm			

OPERATION ENVIRONMENT

Air pressure	87-116psi (0.6-0.8MPa)
Air supply	7.06CFM (200L/min)
Temperature	64.4-74.6°F (18-22°C), <0.5°C/h, <1°C/24h
Humidity	30%~70%
Max. power	1000W
Power supply	110V±5%, 50HZ

STYLI SET INCLUDED IN TP20

Type	Material	Ball diameter	Length	Stem diameter	Effective working length	Quantity
Styli	ruby ball / stainless steel stem	SØ2.5mm	20mm	Ø1.4mm	14mm	4 pcs
		SØ4mm		Ø1.5mm	20mm	1 pc
		SØ3mm	10mm	Ø1.5mm	7.5mm	1 pc

Type	Material	Diameter	Length	Quantity
Extension	stainless steel	Ø3mm	20mm	1 pc
		Ø3mm	30mm	1 pc

Type	Material	Diameter	Length	Quantity
Center base	stainless steel	7mm	7.5mm	1pc

STYLI SET INCLUDED IN SP25M

Type	Material	Ball diameter	Length	Stem diameter	Effective working length	Quantity
Styli	ruby ball / stainless steel stem	SØ1.5mm	21mm	Ø1mm	14mm	1 pc
		SØ2mm		Ø1.4mm	8mm	1 pc
		SØ3mm	Ø1.5mm	12mm	4 pcs	
		SØ4mm	31mm	Ø2.5mm	27mm	1 pc
	ruby ball / carbon fiber stem	SØ5mm	50mm	Ø3mm	42.5mm	1 pc
		SØ6mm	75mm	Ø4mm	75mm	1 pc

Type	Material	Diameter	Length	Quantity
Extension	stainless steel	Ø5mm	10mm	1 pc
		Ø4mm	20mm	1 pc

Type	Material	Diameter	Length	Quantity
Center base	stainless steel	10mm	13mm	1 pc

STANDARD DELIVERY

Main unit	1 pc	
Probe system	Probe head	1 pc
	Probe body	1 pc
	styli	1 set
Control system	1 set	
Calibration sphere	1 pc	
Universal sphere seat	1 pc	
Computer	1 pc	
Printer	1 pc	
Software	1 set	
Table and chair	1 set	

PH10T AND PH10M SPECIFICATION

Angular movement with horizontal axis	0°~105° in 7.5 steps
Angular movement with vertical axis	±180° in 7.5 steps
Number of positions	720
Steering mode	motorized
Max. output torque	0.45N.m
Max. extension length	300mm
Weight	1.43lb (649g)

MH20i SPECIFICATION

Angular movement with horizontal axis	0°~105° in 15 steps
Angular movement with vertical axis	±180° in 15 steps
Number of positions	168
Steering mode	manual
Max. extension length	75mm
Weight	0.46lb (210g)