

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

SPECIFICATION

Code	Range(X×Y×Z)	Probe system		Accuracy		Max. weight of workpiece	Overall dimension	Weight
		Head	Body	MPEE	MPEP			
CMM-LM564A	500×600×400mm	MH20i	TP20	±(2.3+L/250)μm	2.4μm	500kg	1420×1135×2350mm	900kg
CMM-LM564B		PH10T						
CMM-LM686A	600×800×600mm	MH20i	TP20	±(2.6+L/250)μm	2.7μm	800kg	1740×1420×2760mm	1300kg
CMM-LM686B		PH10T						
CMM-LM686C		PH10M	SP25M	±(2.1+L/250)μm	2.1μm			
CMM-LM8106A	800×1000×600mm	MH20i	TP20	±(2.7+L/250)μm	2.8μm	1000kg	1940×1620×2760mm	1700kg
CMM-LM8106B		PH10T						
CMM-LM8106C		PH10M	SP25M	±(2.2+L/250)μm	2.2μm			
CMM-LM8126A	800×1200×600mm	MH20i	TP20	±(2.7+L/250)μm	2.8μm	1000kg	2140×1620×2760mm	1900kg
CMM-LM8126B		PH10T						
CMM-LM8126C		PH10M	SP25M	±(2.2+L/250)μm	2.2μm			
CMM-LM8156A	800×1500×600mm	MH20i	TP20	±(2.7+L/250)μm	2.8μm	1000kg	2440×1620×2760mm	2200kg
CMM-LM8156B		PH10T						
CMM-LM8156C		PH10M	SP25M	±(2.2+L/250)μm	2.2μm			

OPERATION ENVIRONMENT

Air pressure	0.6-0.8MPa
Air supply	200L/min
Temperature	20°C±2°C; <0.5°C/h, < 1°C/24h
Humidity	30%~70%
Max. power	1000W
Power supply	220V±5%, 50HZ

STYLI SET INCLUDED IN TP20

Type	Material	Ball diameter	Length	Stem diameter	Effective working length	Quantity
Styli	ruby ball / stainless steel stem	∅2.5mm	20mm	∅1.4mm	14mm	4 pcs
		∅4mm		∅1.5mm	20mm	1 pc
		∅3mm	10mm	∅1.5mm	7.5mm	1 pc

Type	Material	Diameter	Length	Quantity
Extension	stainless steel	∅3mm	20mm	1 pc
		∅3mm	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	∅1.5mm	21mm	∅1mm	14mm	1 pc
		∅2mm		∅1.4mm	8mm	1 pc
		∅3mm		∅1.5mm	12mm	4 pcs
		∅4mm	31mm	∅2.5mm	27mm	1 pc
	ruby ball / carbon fiber stem	∅5mm	50mm	∅3mm	42.5mm	1 pc
		∅6mm	75mm	∅4mm	75mm	1 pc

Type	Material	Diameter	Length	Quantity
Extension	stainless steel	∅5mm	10mm	1 pc
		∅4mm	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 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	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	210g