

COORDINATE MEASURING MACHINES (EXTRA LARGE RANGE)

FEATURES

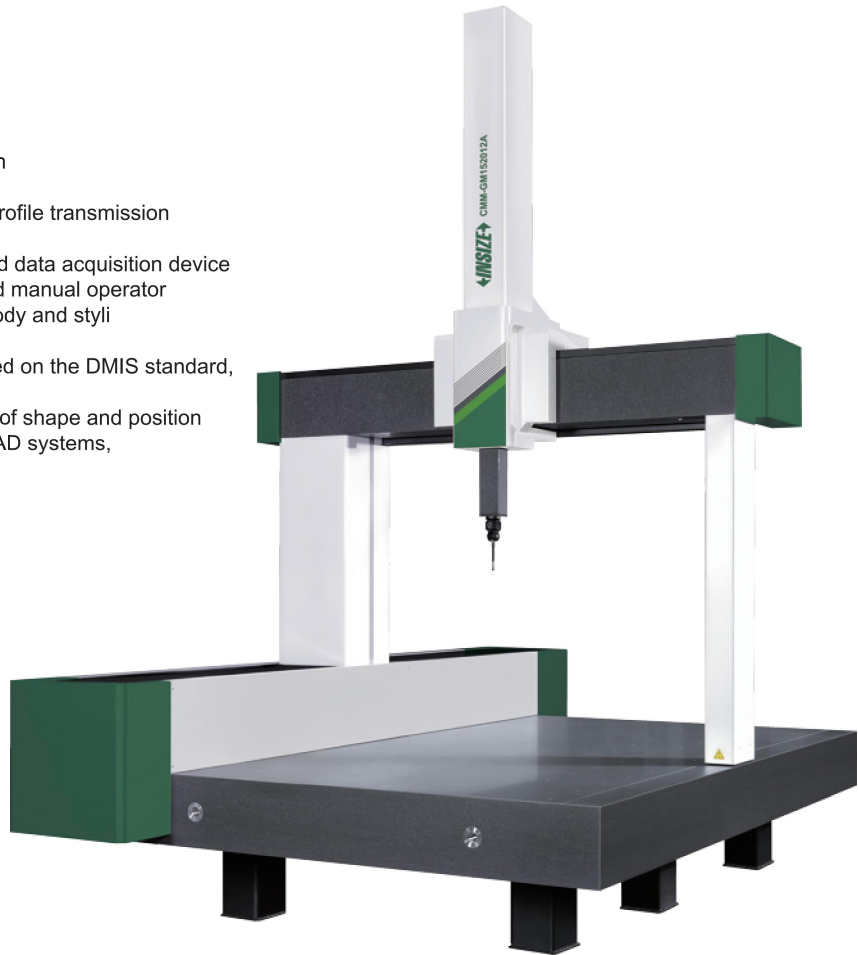
- Classic bridge structure, integrated workbench
- High precision air bearing
- The longest axis adopts high-precision gear profile transmission

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

INSIZE 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



CMM-GM152012A

STANDARD ACCURACY (GM SERIES)

Code	Range(X×Y×Z)	Probe system		Accuracy		Max. load	Overall dimension	Net weight
		Head	Body	MPEE	MPEP			
CMM-GM152012A	1500×2000×1200mm	PH10T	TP20	±(3.8+L/250)μm	3.8μm	3000kg	3225×2740×4050mm	6600kg
CMM-GM152012B		PH10M	SP25M	±(3.4+L/250)μm	3.4μm			
CMM-GM152512A	1500×2500×1200mm	PH10T	TP20	±(3.8+L/250)μm	3.8μm	3000kg	3725×2740×4050mm	7600kg
CMM-GM152512B		PH10M	SP25M	±(3.4+L/250)μm	3.4μm			
CMM-GM153012A	1500×3000×1200mm	PH10T	TP20	±(3.8+L/250)μm	3.8μm	3000kg	4225×2740×4050mm	8800kg
CMM-GM153012B		PH10M	SP25M	±(3.4+L/250)μm	3.4μm			
CMM-GM152015A	1500×2000×1500mm	PH10T	TP20	±(4.0+L/250)μm	4.0μm	3000kg	3225×2740×4650mm	6700kg
CMM-GM152015B		PH10M	SP25M	±(3.6+L/250)μm	3.6μm			
CMM-GM152515A	1500×2500×1500mm	PH10T	TP20	±(4.0+L/250)μm	4.0μm	3000kg	3725×2740×4650mm	7700kg
CMM-GM152515B		PH10M	SP25M	±(3.6+L/250)μm	3.6μm			
CMM-GM153015A	1500×3000×1500mm	PH10T	TP20	±(4.0+L/250)μm	4.0μm	3000kg	4225×2740×4650mm	8900kg
CMM-GM153015B		PH10M	SP25M	±(3.6+L/250)μm	3.6μm			
CMM-GM182512A	1800×2500×1200mm	PH10T	TP20	±(4.2+L/250)μm	4.2μm	3500kg	3725×3040×4050mm	8600kg
CMM-GM182512B		PH10M	SP25M	±(3.8+L/250)μm	3.8μm			
CMM-GM183012A	1800×3000×1200mm	PH10T	TP20	±(4.2+L/250)μm	4.2μm	3500kg	4225×3040×4050mm	9800kg
CMM-GM183012B		PH10M	SP25M	±(3.8+L/250)μm	3.8μm			

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CMM-GM183015B		PH10M	SP25M	±(4.0+L/250)μm	4.0μm			
CMM-GM202512A	2000×2500×1200mm	PH10T	TP20	±(4.4+L/250)μm	4.4μm	4000kg	3725×3240×4050mm	9200kg
CMM-GM202512B		PH10M	SP25M	±(4.0+L/250)μm	4.0μm			
CMM-GM203012A	2000×3000×1200mm	PH10T	TP20	±(4.4+L/250)μm	4.4μm	4000kg	4225×3240×4050mm	10500kg
CMM-GM203012B		PH10M	SP25M	±(4.0+L/250)μm	4.0μm			
CMM-GM204012A	2000×4000×1200mm	PH10T	TP20	±(4.4+L/250)μm	4.4μm	4000kg	5225×3240×4050mm	13400kg
CMM-GM204012B		PH10M	SP25M	±(4.0+L/250)μm	4.0μm			
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HIGH ACCURACY (GE SERIES)

Code	Range(X×Y×Z)	Probe system		Accuracy		Max. load	Overall dimension	Net weight
		Head	Body	MPEE	MPEP			
CMM-GE152012A	1500×2000×1200mm	PH10T	TP20	±(3.2+L/330)μm	3.2μm	3000kg	3225×2740×4050mm	6600kg
CMM-GE152012B		PH10M	SP25M	±(2.8+L/330)μm	2.8μm			
CMM-GE152512A	1500×2500×1200mm	PH10T	TP20	±(3.2+L/330)μm	3.2μm	3000kg	3725×2740×4050mm	7600kg
CMM-GE152512B		PH10M	SP25M	±(2.8+L/330)μm	2.8μm			
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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

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

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
Net weight	649g

OPTIONAL SOFTWARE MODULE

Offline module	CMM-WM-OEM
Gear module	CMM-WM-GEM
Worm module	CMM-WM-WMM
Pipeline module	CMM-WM-PEM
Blade module	CMM-WM-BEM
SPC statistical analysis	CMM-WM-SPC
Network programming module	CMM-WM-NPM
Gear and worm kit module	CMM-WM-GSM
Automation module	CMM-WM-CNC

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
Center base		Ø7mm	7.5mm	1 pc

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
Center base		Ø10mm	13mm	1 pc