

## EM Series Manual Coordinate Measuring Machine

- ◆ All core components and software are originally imported.
- ◆ Guideways are made of high-precision natural granite, which have the same temperature characteristics and rigidity.
- ◆ Guideway X, Y and Z are surrounded by air floating blocks to ensure the linearity of motion.
- ◆ High-precision self-cleaning air bearing is used for the permanently wear-resistant guideways of all the three axes for more steady operation.
- ◆ Open metallic optical scale with coefficient of thermal expansion closer to granite matrix improves the stability of the machine.
- ◆ With three-axis pneumatic locking, all the three axes are provided with a micro-feed structure that combines the convenience of manual operation with the accuracy of automatic operation.
- ◆ Guideway X and Y are vertically installed rectangular guideways that provide the maximum bending strength.

Model	EM-564	EM-785	EM-7105	EM-7125	EM-7155
X,Y,Z travel (mm)	500x600x400	700x800x500	700x1000x500	700x1200x500	700x1500x500
Useable table size (mm)	1020×690	1220×890	1420×890	1620×890	2120×890
Weight (kg)	580	800	910	1100	1400
Worktable max load (Kg)	300	500	500	500	500
Scale resolution	1 μm				
Probe uncertainty (MPEE) μm	3.5		3.8		
Measuring System	3.2+L/250		3.5+L/250		
Working temperature	15-30°C				
Air supply	Pressure 4-10 bar, 120NI/min				

