

EV Series 3D Manual VMM

EV series uses high precision marbles as the machine base stand, which has a high capability / price ratio. **Auto focus** function as standard configures in this series. Lens installed with electrical sensor to make sure rotary to right position every time, and no need make image correction again after change enlarge rate, improve efficiency.

The electronic system of the EV series is advanced, as it uses the new multi-axial light motor controlling card, in this way the controlling system very succinct. Special processor reduces electronic circuitry and connectors, improve stability greatly. Super high speed reading ability, work with our latest high accuracy reading scale make sure high resolution and high accuracy measurement.

Model	EV-2010	EV-3020	EV-4030	EV-5040
X,Y,Z travel (mm)	200x100x150	300x200x200	400x300x200	500x400x200
Overall dimensions (cm)	135x72x165	135x72x170	135x72x170	150x92x170
Machine weight	160 kgs	210 kgs	300 kgs	410 kgs
Repeatability	2 μ m			
Max table load	20 kgs			
Operation mode	X Y Manual, Z motorized (control by mouse, keyboard)			
Resolution	0.5 μ m high accuracy reading scale			
X,Y,Z measurement precision	(2.7+ L/250) μ m			
Light source system	Software controlled 8 zone surface light and straight contour light			
Structure	00 grade granite base and mast			
Lens	High precision Tele-centric zoom lens with electrical sensor			
Precision measuring head	UK RENISHAW precision touch probe			
Magnification	Optical enlarging rate 0.7-4.5x, image enlarging rate 30-200x			
Vision system	1280×1024 high resolution 1/2" industrial camera			

