

IV 【EV series 3D high performance manual VISION MEASUREMENT MACHINE】

EV series has a high capability / price ratio. Auto focus and Auto zoom function as standard configures in this series. It uses high precision marbles as the machine base stand. High precision working table and 0.1um high resolution optical scales installed in the X,Y,Z axis increase the measuring accuracy to $(2.5+L/200)\mu\text{m}$.

The electronic system of the EV series is advanced, it uses the new multi-axial, light motor controlling card developed by Easson, in this way the controlling system very succinct. Special processor reduce electronic circuitry and connectors, improve stability greatly. Super high speed reading ability, work with our latest high accuracy absolute reading scale make sure high resolution and high accuracy measurement. And use super high speed and high trusty Ethernet connect with computer

All the EV series can install the Renishaw touch probe and 3D software for 3D measurement.



Model	EV-2515	EV-3020	EV-4030
X,Y,Z measurement travel	250x150x150 (mm)	300x200x200 (mm)	400x300x250 (mm)
Overall dimensions	135x72x155 (cm)	135x72x165 (cm)	146x89x175 (cm)
Machine weight	170 kg	280 kg	410 kg
Repeatability	2 micron		
Max table load	25kg		
Operation mode	X Y Manual, Z motorized (control by mouse, keyboard or joystick) Super high speed and high trusty Ethernet connect with computer		
Resolution	0.1 um		
X,Y,Z measurement precision	$(2.5+L/200)$ micron		
Light source system	software controlled adjustable 6 ring 8 zone surface light and straight adjustable contour light		
Structure	00 grade granite base and mast		
Lens	High precision Tele-centric motorized auto-zoom lens		
Precision measuring head	English RENISHAW precision touch probe		
Magnification	Optical enlarging rate 0.75-4.5x, image enlarging rate 25-125x		
Vision system	High resolution CCD lens (SONY CCD sensor & special SPC)		