

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)um.

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 NO.	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	380 kg
Repeatability	2 micron		
Max Table Load	25 kg		
Operation mode	X Y Manual, Z motorized (control by mouse, keyboard or joystick) Super high speed and high trusty Ether net connect with computer		
Resolution	0.1µm		
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 0.7-4.5x, image enlarging rate 25-145x		
Vision system	High resolution CCD lens (SONY CD sensor & special SPC)		

SPARTAN Series 3D Super High Performance Automatic Vision Measurement Machine



SP3-3020



SP3-4030



SP3-6050H

MODEL NO.	SP3-3020	SP3-4030	SP-4030H	SP-6050H
X,Y,Z measurement travel	300x200x200 mm	400x300x250 mm	400x300x250 mm	600x500x300 mm
Overall Dimensions	135x72x165 cm	146x89x175 cm		170x136x185 cm
Machine Weight	280 kg	410 kg		1700 kg
Repeatability	2 micron			
Max Table Load	30 kg			50 kg
Operation mode	Automatic CNC control, by mouse, keyboard or joystick, Super high speed and high trusty Ethernet connect with computer			
Resolution	0.1µm			
X,Y,Z measurement precision	(2.5+ L/200) micron	(2.5+ L/150) micron		(3+ L/150) 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 motorized Tele-centric auto-zoom lens & 0.5x,1.5x,2x attached lens			
Probe system	English RENISHAWprecision touch probe			
Magnification	Optical enlarging rate 0.75-4.5x, image enlarging rate 12-290x after install attached lens			
Moving system	X/Y/Z servo motor drive system		Japanese Panasonic AC servo motor & driver	
Vision system	High resolution CCD lens (1/2" SONY CCD sensor & special SPC)			