

Products introduction

Three series of Easson Vision Measurement Machine :

C Series : **Low cost** Manual VMM;
EV Series : Highest Price / Performance Manual VMM;
SP Series : Highest Price / Performance CNC VMM.



C Series Features: Low Cost
Powerful software
User-friendly operation

EV Series : Highest Price / Performance Manual VMM



EV-2515
EV-3020
EV-4030

EV Series Features: Highest Price / Performance
High precision machine body;
AF - Auto Focus;
2D/3D Measurement;
Auto Zoom Telecentric Lens(Optional);
Fully Complete Optical Lens Accessory

SP (SPARTAN) Series High performance/precision Auto VMM



SP-3020
SP-4030

SP (SPARTAN) Series Features: Highest Price / Performance, High precision,
Automatic VMM
High precision machine body;
AF- Auto Focus;
Standard Auto Zoom telecentric Lens;
2D/3D Measurement;
Fully Complete Optical Lens Accessory

Use Absolute Linear Scale as Measuring Standard

Easson have launched absolute linear scales in 2012, it is the first manufacturer launch the Absolute Linear Scale in China. Absolute Linear Scale has much more reliable, high accuracy and high resolution etc. advantages, is one of the best for measurement machine as the measuring standard.

From 2013 year, Easson's measurement machine all use the special version high resolution **AS seires** Absolute Linear Scale.



Absolute Linear Scale Advantages:

1. High Accuracy

Easson VMM linear scale use the AS series absolute linear scale, the linear scale accuracy within $\pm 2\mu\text{m}$ (Total length), and zero backlash, much more linear error, hence it can provide much more measuring accuracy.

2. High Resolution Reading Position Data

AS-80 Series absolute linear scale can use CPE-bus Serial communication connector, use $0.01\mu\text{m}$ resolution scale to read the position data at high magnification (image pixel size less than $1\mu\text{m}$), can greatly improve the measurement accuracy to the theoretical limit of 1 pixel.

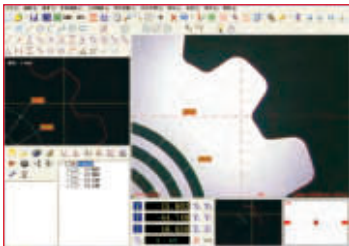
3. Convenience

Operator can be very easy to operate find the Origin reference poin (linear scale only move about 1-2cm), VMM machinery coordinate always the same place.

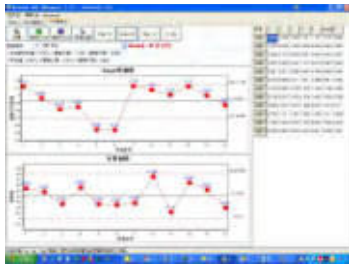
C Series has the features of high capability and the high performance-price ratio.

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powerful measurement software



SPC software



meaurement result output



C - 2515
C - 3020
C - 4030

EV Series has the features of high capability and the high performance-price ratio.

EV Series Vision Measurement Machine has a high capability/price ratio, Auto Focus and as standard configures in this series. It uses high precision marbles as the machine base stand. High precision working table and 0.01um resolution optical scales installed in the X.Y.Z axis increase the measuring accuracy tp (1.5+L/200)um.

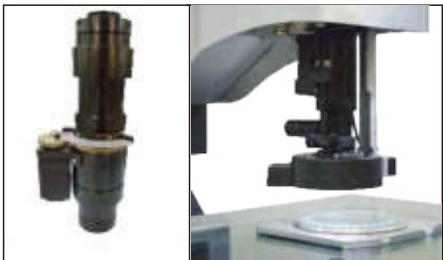
The powerful software developed by Easson allows users to output the measuring results to general CAD software such as AUTOCAD, MASTER CAM and etc... or users can directly input the DXF file to the software for comparing. The electronic system of the EV series is a smart and it uses the new PCI counter card and light controlling card developed by Easson.

Coaxial lens is the best choice for vision measurement machine, which together with a user friendly auto focused controller. If customers choose RENISHAW 3D touch probes as option, the controller with include a one-key or Z axis probe automatic measuring function, and this can reduce the man-made damage to the probe because of wrong operation.

F3 High Pricision Closed Loop Auto Zoom Lens

Special design High accuracy and high resolution annular linear scale for Closed loop position feedback.

It can greatly improve measure repeatability and image magnification repetitive error .



EV - 2515
EV - 3020
EV - 4030

Model	EV-2515	EV-3020	EV-4030
(X/Y/Z) Measurement Travel	250X150X150 mm	300X200X200 mm	400X300X250 mm
Overall Dimensions(Length/Width/Height)	100X60X140 cm	120X72X160 cm	120X72X160 cm
Machine Weigh	170 kg	280 kg	410 kg
Repeatability	±2 um		
Max Table Load	20 kg		
Operation Models	Manual		
Resolution	0.01 um		
X/Y/Z Measurement Precision	(1.5+L/200) um		
Source System	Control by Computer, 5 ring 8 zone cold light source, with 256 levels brightness adjustable		
Rat Structure	00 grade granite base and mast		
Lens	High precision Auto Zoom lens		
Precision Measuring Head(optional)	England RENISHAW precision touch probe		
Magnification	Optical magnification 0.7-4.5 X, Image magnification 20-125X		
Computer Configuration	23 inch computer		
Vision System	1.3 million digital high-definition network camera		

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Overall Dimensions	100X60X140 cm	120X72X160 cm	120X72X160 cm
Machine weight	170 kg	280 kg	410 kg
Repeatability	±2 um		
Max Table Load	20 kg		
Operation	Manual		
Resolution	0.5 um		
Measurement accuracy	(4+L/200) um		
Source System	5 ring 8 zone cold light source, with 256 levels brightness adjustable		
Rat Structure	00 grade granite base and mast		
Lens	Manual optical lens		
Magnification	Optical enlarging 0.7-4.5 X, image enlarging 35-130X		
Computer	23 inch monitor with computer		
Vision System	1.3 million digital high-definition network camera		