

BASIC Series Manual Vision Measurement Machine

BASIC series optical measuring machine is an important instrument used in your products quality control process. It ensures your products dimension accuracy, makes your products more competitive.



High accuracy hardware configuration

The Series is configured with high accuracy linear guide way, provides unique dynamic performance and end user experience. Also includes full programmable 8 sections LED surface illumination ring, 3 axis 0.0005mm high resolution linear transducers, and powerful measuring software.

Reverse engineering

BASIC series VMM is compatible with Renishaw touch probe as optional configuration. Users can easily achieve 2D and 3D measuring function in one machine. The software can calculate the offset between the optical lens and touch probe, makes sure that all measuring results are within one coordinates system. The measuring results can be out put as 3D drawing for reverse engineering.

Compact and accurate

BASIC series VMM is the most common model for most of the factories manufacturing accurate parts. It is fit for small quantity samples measuring application. 3 axis manual control, with user friendly software, allows the operator to manage using the machine in very short time.

Specification

Items	BASIC 200	BASIC 300	BASIC 400	BASIC 500
Dimension(mm)(L×W×H)	550×540×830	600×740×890	700×840×890	800×940×890
Measuring range(mm)(X×Y×Z)	200×100×150	300×200×200	400×300×200	500×400×200
Measuring Accuracy(μm)	2.5+L/100	2.5+L/100	2.5+L/100	3+L/100
Repeatability (μm)	2.5	2.5	2.5	3
Weight (kg)	140kg	190kg	240kg	290kg
Image and Measuring	CCD	1.2 million pixel digital camera		
	Lens	Manual dented zoom lens 0.7 - 4.5X(Optional electronic magnification signal feedback lens)		
	Magnification	18 - 195X (For reference only. With different camera and lens the magnification will be different.)		
	Field of View	8.1-1.3mm(For reference only, with different camera and lens combination, the value will be different.)		
	Working distance	90mm		
Linear scale resolution	0.5μm			
Driving system	X/Y/Z axis manual control			
Illumination	Programmable LED8 zone ring surface light, LED bottom parallel light (optional: coaxial light)			

