SERIES VM VISION MACHINE

Certificate

- Granite base and column
- With manufacturer inspection certificate

VIDEO

VM5040

SPECIFICATION

Code	Motorized focus	VM2010M	VM3020M	VM4030M	VM5040M
	Manual focus	VM2010	VM3020	VM4030	VM5040
Measuring range(X/Y axis)		200×100mm	300×200mm	400×300mm	500×400mm
Z axis travel with scale		200mm*			
Stage moving method		manual			
Linear scale resolution (X/Y/Z axis)		1μm			
Accuracy (X/Y axis)		(3+L/200)μm L is the measuring length in mm			
Repeatability		2μm			
Focus		90mm			
Lens magnification		0.7X-4.5X			
Total magnification		30-220X			
Camera		Color CCD, 1.3M pixel			
Illumination		contour illumination: LED, brightness adjustment			
		surface illumination: LED, brightness adjustment			
Max. glass stage loading		20kg	20kg	20kg	30kg
Dimension (L×W×H)		580×680×880mm	770×650×1080mm	960×750×1080mm	1250×860×1690mm
Weight		140kg	188kg	230kg	450kg

* NEW

* The Z axis travel are available upon request

INCLUDED ACCESSORIES

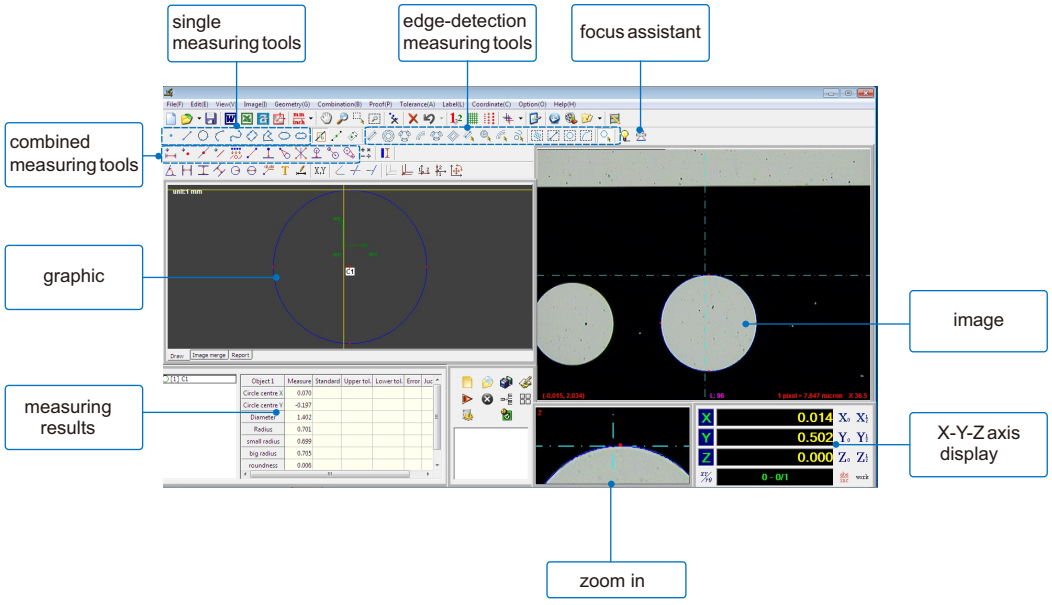
Main unit	1pc
Calibration block	1pc
Software with USB dongle	1pc
Controller	1pc
Operating table(only VM5040 included)	1pc

OPTIONAL ACCESSORIES

0.5X auxiliary objective	VM-OB05X
2X auxiliary objective	VM-OB2X
Computer	VM-PC
Coaxial light *	VM-CL
Operating table (except for VM5040)	VM-Table
Calibration scale	Series 552

* Should be bought with main unit

SOFTWARE FOR ALL MANUAL VISION MACHINES



◆ **Single measuring tools:**

- measure coordinate of point
- measure length of line
- measure center coordinate, radius, diameter and area of circle
- measure length and diameter of arc
- measure length of curve
- measure width, length and area of rectangle
- measure length and area of polygon
- measure center coordinate, axis length and area of ellipse

◆ **Combined measuring tools:**

- measure distance between two objects like, two points, two lines, a point to a line, a point to a circle and so on.
- create a intersection point
- find midpoint of a line
- create a line
- create a line, a circle and a arc based on points
- measure distance between two points
- measure distance from point to line
- create tangent lines between point and circle
- create angular bisector between two lines
- measure distance from circle to line
- measure distance between two circles
- find tangent lines between two circles