SERIES VM · VISION MACHINE

(computer and operating table is optional)

SPECIFICATION

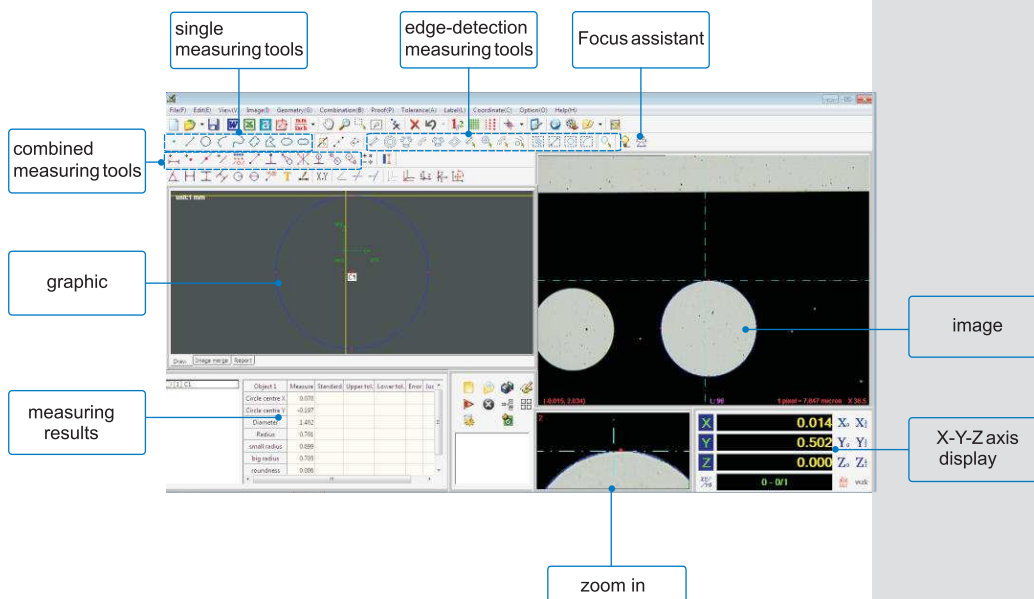| Code	VM2010	VM3020
Measuring range	200×100mm	300×200mm
Stage moving method	Manual	
Linear scale resolution	1µm	
Accuracy	(3+L/200)µm L is the measuring length in mm	
Repeatability	2µm	
Focus	92mm	
Lens magnification	0.7X-4.5X	
Total magnification	30-220X	
Camera	1/3" 700TVL HD	
Illumination	contour illumination: LED light brightness adjustment	
	surface illumination: LED light brightness adjustment	
Dimension (L×W×H)	580×680×880mm	680×750×1000mm
Weight	160kg	220kg

VISION MACHINE   SERIES VM

INCLUDED ACCESSORIES

Main unit	1pc
Calibration block	1pc
Software with USB dongle	1pc
Video card	1pc
Counting card	1pc

OPTIONAL ACCESSORIES

| Computer	VM-PC
Operating table	VM-Table
Calibration scale	Series 552 (refer to page 82)

SOFTWARE FOR VISION MACHINE

single measuring tools

edge-detection measuring tools

Focus assistant

combined measuring tools

graphic

measuring results

image

X-Y-Z axis display

zoom in

■ **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