

MIDLAND METROLOGY LTD

VMA

Manual Video Measuring System



Product Feature & Application

Product Feature

- Powerful AXEL 7 measuring software with edge tracing feature and auto report function
- The surface cold light source can be used for accurate measurement of complex workpieces
- Integrated laser pointer for quickly locating specific features
- Granite '00' grade workstage and base
- German made high precision rods and bearings
- High resolution video images
- Optional Renishaw probe for 3D measurement



VMA Manual Video Measuring

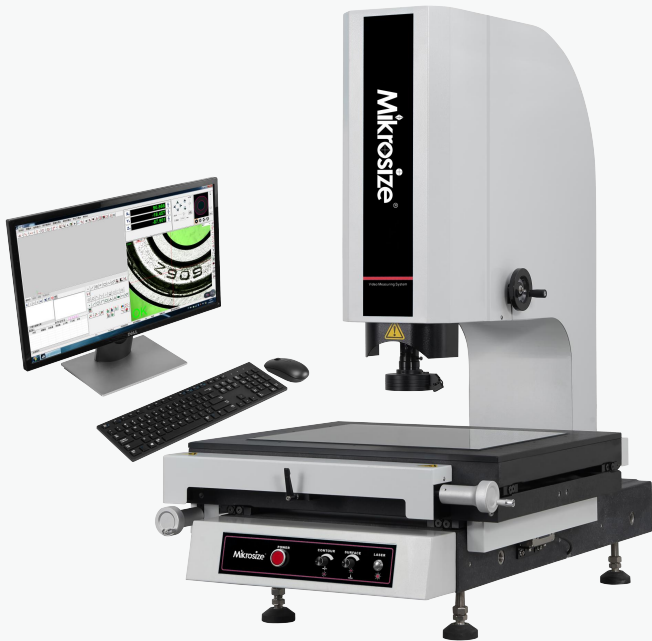
Product Application

- Widely used in machinery manufacturing, electronics, automobile, hardware, plastic, moulding and other industries
- Accurate measurement of workpiece features including size, shape, position and tolerancing for full component inspection
- Reverse engineering capability
- Screen capture of features for reports
- Export measured features as a CAD (DXF) file
- Optional package available which includes import and export of IGES, STEP and CATIA files



Renishaw 3D Probe

Ordering Information



VMA Manual 2D Video Measuring
System VMA-2010 VMA-3020
VMA-4030 VMA-5040



VMA-P 3D Video Measuring
System VMA-2010P VMA-3020P
VMA-4030P VMA-5040P

Technical Specification

Product Name	Manual Video Measuring System			
2D Model	VMA-2010	VMA-3020	VMA-4030	VMA-5040
3D Model	VMA-2010P	VMA-3020P	VMA-4030P	VMA-5040P
X,Y-axis Travel Distance (mm)	200X100	300x200	400x300	500x400
Z-axis Travel Distance (mm)	200			
Dimensions (mm)	600X500X920	750x520x980	1000x620x990	1100x950x1660
Net Weight (KG)	120	150	180	360
X,Y-axis Accuracy (μm)	2.5+L/100			
Maximum Workstage Load	25kg			
Image Sensor	1/3" Colorful CCD Camera			
Objective Lens	Manual Positioning Zoom Lens			
Video Total Magnification	Optic Zoom Lens: 0.7~4.5x, Objective Lens:20~148x			
Resolution	1 μm			
Working Distance (Standard)	92 mm			
Object View	8.1mm~1.3mm			
Movement System	X,Y-axis: Polish Rod, Z-axis: T-type Screw Rod			
Data Processor	RS-100			
Illumination	Surface: 8-division LED Cold Light			
	Contour: Adjustable 256-grades LED Cold illumination			
Measuring Software	AXEL 7			
	Temperature: 20°C \pm 2°C, Temperature Variation <2°C/hr			
Working Environment	Humidity: 30~80%			
	Vibration <0.002g,15Hz			
Power Source	AC 100~220V, 50/60HZ, 10A			