

# MIDLAND METROLOGY LTD

## VMA-F

### Semi-auto Video Measuring System



Web:[www.midland-metrology.co.uk](http://www.midland-metrology.co.uk)

Email:[sales@midland-metrology.co.uk](mailto:sales@midland-metrology.co.uk)

## VMA-F Semi-auto Video Measuring System Description

- Z-axis Auto Focus.
- Powerful Measuring Software with auto tracing edge function, multi-output report
- Sub-pixel segmentation technology improves the ability of image boundary resolution.
- The surface cold light source can be used to measure the complex workpiece.
- Laser pointer. Easy to find the specific location of the measured workpiece .
- Stable Granite workbench with "00" Grade.
- German Made High Precision Polish Rod and Bearing.
- High Resolution Video System.
- Renishaw Measuring Probe is optional for simple 3D purpose.

## VMA-F Semi-auto Video Measuring System Application

- Used in machinery manufacturing, electronics, automobile, hardware, plastic, mold and other industries.
  - Can accurately measure workpiece size, shape, position and tolerance.
-

# VMA-F Semi-auto Video Measuring System Specification

	<b>Manual Video Measuring System</b>			
Product Name	<b>Manual Video Measuring System</b>			
2.5D Model	VMA-2010-F	VM A-3020-F	VMA-4030-F	VMA-5040-F
3D Model	VMA-2010-FP	VMA-3020-FP	VMA-4030-FP	VMA-5040-FP
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( $\mu$ m)	2.5+L/100			
Z-axis	Auto Focus			
Loading Weight of Working Stage	25kg			
Image Sensor	1/3"Colorful CCD Camera			
Objective Lens	Manual Position Zoom Lens			
Video Total Magnification	Optic Zoom Lens:0.7~4.5x, Objective Lens:20~148x			
Resolution	1 $\mu$ m			
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	Mikrosize			
Working Environment	Temperature: 20 °C $\pm$ 2, Temperature Variation<2 °C /hr, Humidity:30~80%			
	Vibration<0.002g,15Hz			
Power Source	AC 100~220V, 50/60HZ, 10A			

# VMA-F Semi-auto Video Measuring System Packing List

Packing List	Packing List	Packing List
Mainframe/Dell PC System	Zoom Lens 0.7X—4.5X	LED Light Source
RS-100 Data Processor	1/3" CCD Camera	Microsize Measuring Software
Linear Scale	Calibration Block/Capture Card	Instruction Manual/Anti-dust Cover
Z axis High Precision Linear Guide Rail	100mm Length Block(3D)	Renishaw Probe(3D)

---