MIDLAND METROLOGY

VMA-6050

Manual Video Measuring System

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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-6050
VMA-P 3D Video Measuring System VMA-6050P

Technical Specification

Product Name	Manual Video Measuring System
2D Model	VMA-6050
3D Model	VMA-6050P
X.Y-axis Travel Distance (mm)	600x500
Z-axis Travel Distance (mm)	200
Dimensions (mm)	1300x1150x1660
Net Weight (KG)	420
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	1μm
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
Working Environment	Temperature: 20°C ±2°C, Temperature Variation <2°C/hr Humidity: 30~80% Vibration <0.002g,15Hz
Power Source	AC 100~220V, 50/60HZ, 10A