

MIDLAND METROLOGY LTD

VMC

CNC Automatic Video Measuring System



VMC CNC Automatic Video Measuring System Description

Full CNC automatic close loop control. Automatic measurement integrated design - convenient for measuring.

00 Grade marble base ensuring high measurement speed, accuracy and precision.

High Precision linear scale with resolution to 1um.

Manual zoom lens and high resolution CCD camera.

LED Illumination.

VMC CNC Automatic Video Measuring System Application

- The machine is widely used in machinery manufacturing, electronics, hardware, plastic, mold and other industries.
- Can accurately measure workpiece size, shape and position tolerance so as to complete component inspection, shape measurement, process control and so on.

VMC CNC Automatic Video Measuring System Specification

Product Name	Manual Video Measuring System		
2.5D Model	VMC-3020	VMC-4030	VMC-5040
3D Model	VMC-3020P	VMC-4030P	VMC-5040P
X,Y-axis Travel	300x200mm	400x300mm	500X400mm
Z-axis Travel	200mm		
Dimensions(mm)	750X520X980	1000x620x990	1000x620x990
Max.load Capacity	25Kg	25Kg	25Kg
Net Weight	240Kg	280Kg	280Kg
X/Y/Z 3-axis Linear Scale(2.5D)	Resolution:1 μ m		
Accuracy(um)	E1(x/y)=2.5+L/100		
Repeatability	\pm 2um		
Movement System	X,Y,Z-axis:Screw Rod		
Movement Control	CNC Auto Servo Movement Control		
Video System	1/2" color CCD camera		
	Manual Coaxial Zoom Lens		
	Optical Magnification:0.7-4.5x. Video Magnification:20-148x		
Object View(Standard)	Working Distance(Standard): 92mm		
	11.1~1.7mm		
Speed(mm/s)	X,Y-axis:200 Z-axis:50		
Illumination	Contour	Adjustable 256-grade LED Parallel illumination	
	Surface	Adjustable 256-grades 5-Ring & 8-Division LED Cold illumination	
3D Measuerment	3D Module and UK Renishaw Touch Probe		
Measuring Software	Mikrosize		
Working Environment	Temperature: 20 $^{\circ}$ C \pm 2 $^{\circ}$ C, Temperature Variation<2 $^{\circ}$ C /hr, Humidity:30~80%		
Power Source	AC 100~220V 50/60HZ 10A		

VMC CNC Automatic Video Measuring System Packing List

Product Name	Product Name	Product Name
Measuring Software	CCD Camera/Video Capture Card	Manual Coaxial Zoom Lens
Mainframe/Dell PC System	Scale Transfer /Movement Control Card	48 -Division LED Illumination
Linear Scale/Calibration Block	100mm Length Block(3D)	Renishaw Probe MCP-K2(3D)

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