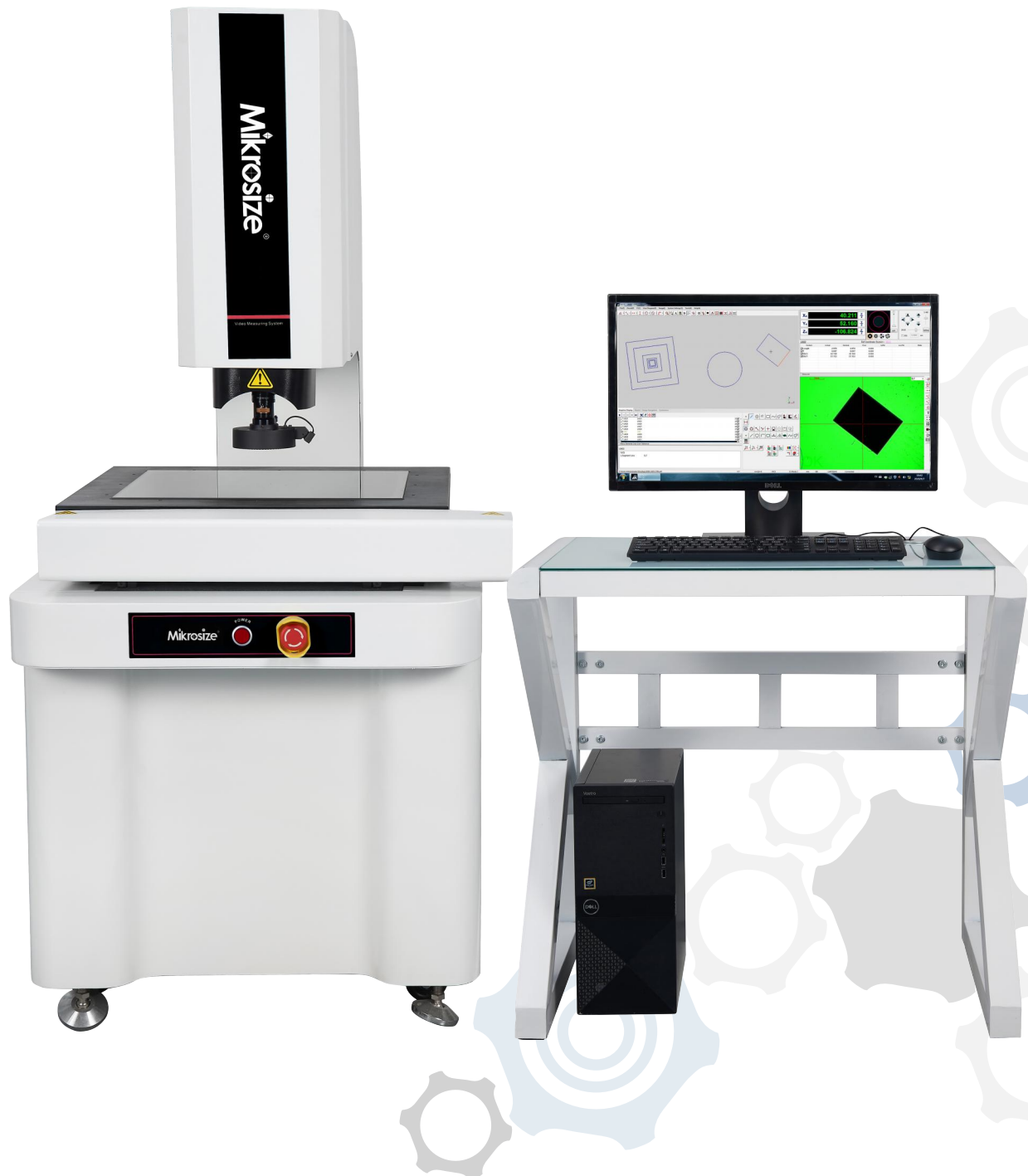


# MIDLAND METROLOGY LTD

## VMU

### CNC Automatic Video Measuring System



# VMU CNC Automatic Video Measuring System Description

- Fully CNC auto close loop control. Automatic measurement. Convenient for measuring.
- 00" grade marble base ensuring high measurement speed, accuracy and precision.
- Precision linear guide and grinding ball screw,
- High precision linear scale, resolution is 1um, high accuracy, great stability.
- Manual zoom lens and high resolution CCD camera.
- Programmable 5 Ring, 8-division LED Surface illumination controlled by software with memory function.
- LED illumination.
- Optional imported touch probe for 3D measurement.

# VMU CNC Automatic Video Measuring System Application

- Widely used in machinery manufacturing, electronics, automobile, hardware, plastic, mold and other industries.
- Can accurately measure workpiece size, shape, position and tolerance, so as to complete the tasks of components inspection, shape measurement, process control etc.

# VMU Automatic CNC Video Measuring System Specification

Product Name	CNC Automatic 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	1300x750x1000
Max.load Capacity	25Kg	25Kg	25Kg
Net Weight	240Kg	280Kg	360Kg
X/Y/Z 3-axis	Resolution:0.5μm		
Linear Scale(2.5D)	Resolution:0.5μm		
Accuracy(um)	E1(x/y)=2.5+L/100		
Repeatability	±2um		
Movement System	X,Y,Z-axis:Screw Rod		
Movement Control	CNC Auto Servo Movement Control		
Video System	1/2" color CCD camera		
	Auto 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	Adjustable 256-grade LED Parallel illumination		
	Contour	Adjustable 256-grades 5-Ring & 8-Division LED Cold 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℃±2℃, Temperature Variation<2℃/hr, Humidity:30~80%		
Power Source	AC 100~220V 50/60HZ 10A		

# VMU CNC Automatic Video Measuring System

## Standard Delivery

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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