SINOWON®   Vision Measuring Machine

Multisensor Measuring Machine

Micromea443

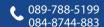|	
Model	Micromea443
Code#	528-130
Accuracy	XY-axis：≤2+L/200(um)

Micromea433 is a Multisensor Measuring Machine, it is designed for high accuracy and large dimension measurement. It has high precision measurement accuracy and stability. It is widely used in electronic industry, medical devices, LCD, aerospace and other industries measurement.

Product Characteristics

● Four-axis CNC fully auto loop control, auto measurement;

● Marble base and pillar, stable and reliable;

● Imported open type linear scale, resolution is 0.1um, high accuracy, great stability;

● Imported P-grade linear guide, precision grinding ball screw and AC servo motor, ensure accuracy stability of system position;

● Imported high definition color industry camera, ensure clear observation and stable measurement requirement;

● 6.5X continue auto zoom lens, precision auto zoom, only need to make pixel calibration once time;

● Programmable 5-ring 8-division LED surface illumination, contour parallel LED illumination, can realize 256 grade brightness adjustment intelligently;

● With proprietary fully auto measuring software Rational vue, powerful function, simple operation;

● Optional touch probe and laser probe, it can also be customized according to customer request.

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sinowon — Vision Measuring Machine

Technical Specification：Micromea443

Product Name	Multisensor Measuring Machine					
Model	Micromea443					
Code#	528-130					
X/Y-axis Travel	400x400mm					
Z-axis Travel	300mm					
X/Y/Z 3-axis Linear Scale	Resolution：0.0001mm					
Guidance Mode	High-precision　Double-Track Linear Guide					
Operation　Mode	Joystick　controller, Mouse operation, automatic detection program					
Probe System	TP20 and MCR20　Probe change system					
Measurement　Accuracy*	XY-axis：≤2+L/200(um)					
	Z-axis：≤3+L/200(um)					
Repeatability	±1.8um					
Video System**	1/1.8" Color CCD Camera					
	6.5X Automatic Zoom Lens;					
	Optical Magnification: 0.7X~4.5X,					
	Video Magnification:　20X~129X(21.5"monitor)					
Field of View (mm) (Diagonal　* Horizontal*Vertical)	Lens　Magnification	0.7x	1x	2.0x	3.0x	4x	4.5x
	1/1.8"CCD	12.86x10.29x7.71	9.00x7.20x5.40	4.50x3.60x2.70	3.00x2.40x1.80	2.25x1.80x1.35	2.00x1.60x1.20
Illumination	Contour	LED Parallel Contour Illumination					
	Surface	5-ring 8-division 0~255 grade continue adjustable					
Software　System	RationalVue MS					
Load Capacity	30Kg					
Working　Environment	Temperature 20℃±2℃，Humidity Range<2℃/hr, Humidity 30~80%,Vibration<0.002g,<15Hz					
Power	220V/50Hz/10A					
Dimension	1600x1050x1650mm					
Packing　Dimension	1800x1400x2000mm					
Weight	1380Kg					

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