MA-100B

Description

MA-100B is the 2D vision measuring machines with optical detent zoom lens for the measurement of geometric dimension and tolerance, it is movable by the light weight and small size.
It's widely applied at the industry of 3C, semiconductor, PCB, automobile parts, medical parts, precise molds, etc.

- MA-100B is able to be moved in different workshop and laboratory by the small size and light weight easily;
- High precision toothless rod and fast moving locking device ensures repeatability error is less than 2um;
- High precise working stage with 0.5um optical linear scales ensures the accuracy is less than 2.5+L/200um;
- High definitive detent zoom lens and high resolution color camera ensures clear image without distortion;
- With programmable surface 4-ring 8-division LED Cold Illumination and contour LED telecentric illumination and built-in intelligent light adjustment, it can automatic control the brightness in the 4-ring 8-division;
- Powerful function iMeasuring 2.0 Measuring Software, highly enhance the quality control, and it can output Word, Excel, PDF, TXT report and AutoCAD file automatically.

Delivery

Product Name
Instrument Main Unit
Measurement Software
Power Adapter
Operation Manual,Warranty Card Certificate,Packing list

Specification

Product Name	2D Movable vision measuring machine						
Art No.	5290-100B						
Mode No.	MA-100B						
Working table(glass)	130x130mm						
X/Y-Axis Travel	100x100mm						
Z-Axis Travel	100mm,High-precision V-type guide						
X/Y-Axis Linear Travel	Resolution:0.0005mm, high accuracy A-gradelinear scale						
X/Y Axis Guidance Mode	High precision guide,toothless rod and fast-moving locking device						
Accuracy error	E1xy<2.4 + L/200(μm)						
Repeatability	2μm						
Repeatability Illumination System (Software Adjustment)	Surface:Stepless Adjustable 4-ring 8-division LED Cold Illumination Contour:LED Parallel Illumination						
Vision Sytem	USB CMOS Digital Camera;6.5x High Resolution Optical Detent Zoom Lens Magnification:0.7x~4.5x; Video Magnification: 26x~172x						
Field of view	Lens magnification	0.7x	1x	2.0x	3.0x	4x	4.5x
	Deo magnification	26.75x	38.21x	76.43x	114.64x	152.86x	171.96x
	1/3"CCD	8.77x7.1x5.3	7.64x6.1x4.6	3.92x3.1x2.3	2.66x2.1x1.6	1.87x1.5x1.1	153x1.2x0.9
Working Environmet	Temperature:19~-24℃ ,Humidity: 45%~ 75% RH Vibration<0.002g,<15Hz						
Measuring Software	iMeasuring 2.0						
Load Capacity	15Kg						
Power Supply	220V/50Hz/10A						
Operation System	XP,WIN7,WIN8.1,WIN10;32/64 operating system						
Dimension (WxDxH)	500x380x630mm						
Net weight	35Kg						

DELL PC System:
WP-PC10(Optional)



Less Error Within 2um

High Accuracy ≤2.5+L/200 um;

High Resolution 700TVL Color CCD

Measurement Softwar

2.5D Movable Vision Measuring Machine

