MA-300

Description

MA-300 is the 2.5D high accuracy geometric vision measuring machines with optical detent zoom lens and Z-axis height measurement function , it is widely applied at the industry of 3C, semiconductor, PCB, automobile parts, medical parts, precise molds, aviation and aerospace, etc.

- High precision marble base and pillar to ensures high stability and accuracy;
- High precision toothless rod and fast moving locking device, ensure repeatability error is within 2um;
- High accuracy A grade optical linear scale with precision working stage, to ensure the accuracy within 2.5+L/200um;
- High definitive detent zoom lens and high resolution color digital camera ensure 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 automatically control the brightness in the 4-ring 8-division;
- Powerful function iMeasuring2.1 measuring software highly enhance the quality control situation.

Delivery

Product Name	
Instrument Main Unit	Video Capture Card
Measurement Software	Dongle
Led Parallel Contour Illumination	Controller
Power Cable,Video Cable,Data Cable	0.5μm Linear Scale
1/3"Color Camera	Calibration Block
Operation Manual,Warranty Card, Certificate,Packing List	Anti-Dust Cover

Working CUpboard:WP-WC1(Optional)
DELL PC System:WP-PC10(Optional)

Specification

Product Name	2.5D Movable vision measuring machine
Art No.	5290-300
Mode No.	MA-300
Working table(glass)	356x248mm
X/Y-Axis Travel	300x200mm
Z-Axis Travel	200mm,High-precision linear guide
X/Y-Axis Linear Travel	Resolution:0.0005mm
X/Y Axis Guidance Mode	High precision guide,toothless rod and fast-moving locking device
Accuracy error	<2.5 + L/200(μm)
Illumination System (Software Adjustment)	Surface:Stepless Adjustable 4-ring 8-division LED Cold IlluminationN, Contour:LED Parallel Illumination LED Laser Navigation Lights
CCD Camera	High Resolution 700TV Color CCD Camera
Zoom Lens	6.5x High Resolution Detented Zoom Lens Magnification :0.7x~4.5x,Video Magnification:26x~172x
Working Environmet	Temperature:20℃ ±2℃ ,Change range<2℃ /hr, Humidity: 30%~ 80% RH,Vibration<0.002g,<15Hz
Measuring Software	iMeasuring 2.1
Power Supply	220V/50Hz/10A
Operation System	XP,WIN7,WIN8.1,WIN10;32/64 operating system
Dimension(WxDxH)	838x667x1000mm
Net weight	185Kg

The different travel of the X/Y-Axis is optional

Art No.	5290-200	5290-250	5290-400	5290-500
Model No.	MA-200	MA-250	MA-400	MA-500
X/Y-Axis Travel	200x100mm	250x150mm	400x300mm	500x400mm
Z-Axis Travel	200mm	200mm	200mm	200mm
Dimension(WxDxH)	677x552x998mm	790x617x1000mm	1002x817x1043mm	1002x852x1085mm
Net Weight	150Kg	175Kg	350Kg	380Kg

Less Error Within 2um

High Accuracy 2.5+L/200 um;

High Resolution 700TVL Color CCD

Measurement Software iMeasuring 3.1

3D Manual Vision Measuring Machine With Probe

