MA-300P

Description

MA-300P is the high accuracy geometric vision measuring machines that integrate the optical detent zoom lens and 3D touch trigger probe system,It's 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 hysteresis error is within 2um;
- High accuracy A grade optical linear scale with precision working stage,ensure the accuracy is within 2.5+L/200um;
- High definitive detent zoom lens and high resolution color camera,ensure clear image without distortion;
- With programmable surface 4-ring 8-division LED Cold Illumination and contour LED parallel illumination and built-in intelligent light adjustment, it can automatic control the brightness in the 4-ring 8-division;
- Improted contact probe and powerful function iMeasuring 3D Measuring Software

Delivery

Product Name	
Instrument Main Unit	Calibration Block
Measurement Software	Controller
MCP probe	Dongle
LED Parallel Contour Illumination	Anti-Dust Cover
Click Zoom Lens	1/3"Color Camera
Video Capture Card	Operation Manual, Warranty Card, Certificate,Acking List

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

Specification

Product Name	3D Maual vision measuring machine with probe
Art No.	5290-300P
Mode No.	MA-300P
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
Accuracy error	<2.5 + L/200(μm)
Repeatability	2μm
Illumination System (Software Adjustment)	Surface:Adjustable 0~255 grade 4-ring 8-division LED Cold Illumination,every division can be adjust independently,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 3.1
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.	5290-200P	5290-250P	5290-400P	5290-500P
Model No.	MA-200P	MA-250P	MA-400P	MA-500P
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

Auto Position

Auto Focus

Auto Light

Auto Measurement

2.5D Automatic Vision Measuring Machine



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