AU-400

Description

AU-400 Series is a high precision moving-bridge type vision measuring machine, it adopted mobile-bridge structure and designed for high precision and large size measurement to ensure measuring accuracy and stability. it is widely used for measuring in electronic industry, medical instrument, LCD and aerospace industry.

- Moving bridge structure, measured workpiece is fixed;
- Four-axis CNC fully auto close loop control, auto measurement;
- Marble base and pillar(grade 00), stable and reliable;
- Imported linear scale, resolution is 0.1um, grinding ball screw and AC servo motor etc. to ensure the precision and stability of the motion system;
- Imported HD color camera to meet the needs of clear observation and accurate measurement;
- 6.5x high-resolution motorized zoom lens, accurate doubling and one times pixel correction only needed;
- With programmable surface 5-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 8-division;
- Powerful function and easy operation measuring software to enhance quality control.

Delivery

Product Name		
Instrument Main Unit	5-ring 8-divsion LED surface illumination	Calibration block
Full Auto Measuring Software		Dell PC with 21" Monitor
Controller	MCP Probe	Desk
Imported 0.1μm linear scale	1/2" Color Camera	Anti-dust Cover
Motorized coaxial zoom lens	Data cable, AV video cable	Operation manual, Product certification, Warranty card, Packing list
LED parallel contour illumination	Video capture card, Dongle	

Specification

Product Name	2.5D Automatic measuring machine						
Art No.	5290-AU400						
Mode No.	MA-AU400						
X/Y-Axis Travel	400x300mm						
Z-Axis Travel	200mm						
X/Y/Z 3-Axis Linear Travel	Imported linear scale,resolution :0.1μm						
Guidance Mode	Precision linear guide,double-track double slider guide						
Operation Mode	Joystick controller,mouse operation, automtic detection program						
Repeatability	±2μm						
Video System	High definition 1/2" color CCD camera, 6.5x Motorized click zoom lens; Optical magnification:0.7x~4.5x, Video magnification :20x~129x(21.5"monitor)						
Illumination	Contor:LED parallel contour illumination Surface:5-ring 8-division 0~255 grade continue adjustable						
Software System	iMeasuring 4.1 Fully Auto Measuring Software						
Load Capacity	25Kg						
Working Environmet	Temperature:20℃ ±2℃ ,Change range<2℃ /hr, Humidity: 30%~ 80% RH,Vibration<0.002g,<15Hz						
Power Supply	220V/50Hz/10A						
Dimension(WxDxH)	1160x800x1650mm						
Net weight	650Kg						
Field of view(mm) (Digonal *Horizontal *Vertical)	Lens magnification	0.7x	1x	2.0x	3.0x	4x	4.5x
	1/2"CCD	11.43x 9.14x6.86	8.00x 6.40x4.80	4.00x 3.20x2.40	2.67x 2.13x1.60	2.00x 1.60x1.20	1.78x 1.42x1.07

The Different Travel Of The X/Y-Axis Is Optional

Art No.	5290-AU500	5290-AU600	5290-AU800
Model No.	AU-500	AU-600	AU-800
X/Y-Axis Travel	500x400mm	600x500mm	800x600mm
Z-Axis Travel	200mm	200mm	200mm
Dimension(WxDxH)	1450x950x1650mm	1600x1050x1650mm	2000x1200x1650mm
Net Weight	780Kg	1380Kg	2000Kg

Auto Position | Auto Position | Auto Zoom | Auto Light | MCP Probe | Auto Measurement

3D Automatic Vision Measuring Machine With Probe



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