AU-400P

Description

AU-400P 3D AutoTouch is equipped with Touch Probe to realize 3D Measurement. Four-axis is motorized control and measurement, it is very easy to operate and can meet with widely application for precision industry measurement.

- Moving bridge type structure, measuring 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;
- Equipped with imported MCP Probe to perform 3D measurement;
- With proprietary fully auto measuring software powerful function, simple operation;

Delivery

Product Name		
Instrument Main Unit	LED parallel contour illumination	Joystick controller
Full Auto Measuring Software	MCP Probe	Dell PC with 21" Monitor
Controller	1/2" Color Camera	Desk
Imported 0.1μm linear scale	Data cable, AV video cable	Anti-dust Cover
Motorized coaxial zoom lens	Video capture card, Dongle	Operation manual, Product certification, Warranty card, Packing list
5-ring 8-division LED surface illumination	Calibration block, 3D Calibration block	

Specification

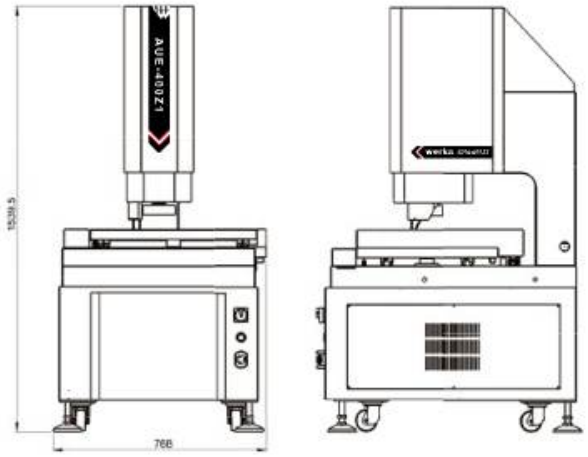
Product Name	*3D Automatic vision measuring machine with probe*						
Art No.	*5290-AU400P*						
Mode No.	*MA-AU400P*						
X/Y-Axis Travel	*400x300mm*						
Z-Axis Travel	*200mm*						
X/Y/Z 3-Axis Linear Travel	*Imported linear scale,resolution :0.1μm*						
Guidance Mode	*Precision linear guide,double-track double slider guide*						
Operation Mode	*Joystick controller,mouse operation, automtic detection program*						
Measurement Accuracy	*XY-axis:≤1.8+L/200(μm) Z-axis:≤4+L/200(μm)*						
Repeatability	*±2μm*						
Video System	*High definition 1/2" color CCD camera, Image navigation system 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 4.2 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-AU500P*	*5290-AU600P*	*5290-AU800P*
Model No.	*AU-500P*	*AU-600P*	*AU-800P*
X/Y-Axis Travel	*500x400mm*	*600x500mm*	*800x600mm*
Z-Axis Travel	*200mm*	*200mm*	*200mm*
Dimension(WxDxH)	*1450x950x1650mm*	*1600x1050x1650mm*	*2000x1200x1650mm*
Net Weight	*780Kg*	*1380Kg*	*2000Kg*

Automatic Vision Measuring Machine





Description

- XYZ three-axis CNC automatic precision control, precise positioning
- Granite base and pillar, good stability
- Precision linear guides, grinding-grade ball screws and AC servo motors, etc., ensure the accuracy and stability of the motion system
- 0.5μm high-precision grating ruler to ensure the positioning accuracy and measurement accuracy of the system
- High-resolution digital camera to meet the needs of clear observation and precise measurement
- 6.5X high-definition optical lens, accurate zoom, one-time pixel correction
- Program-controlled 5-ring 8-area LED surface illumination and parallel LED contour illumination system intelligently realize 256-level brightness adjustment
- Measuring Software automatic Vision measurement software, powerful and easy to operate

Art.No.	5294-300Z1	5294-400Z1	5294-500Z1
Model No	AUE-300Z1	AUE-400Z1	AUE-500Z1
X/Y Axis travel	300x200 mm	400x300 mm	500x400 mm
Z Axis travel	200 mm		
X/Y/Z 3 Axis Linear Scale	Sealed Linear Scale Resolution: 0.5um		
Guidance Mode	High-precision Linear Guide, Double-track Double Slider Guide		
Operation Mode	Joystick Controller, Mouse Operation, Automatic Detection Program		
Accuracy	XY Axis: ≤2.5+L/200(um) Z Axis: ≤5.0+L/200(um)		
Repeatability	2 um		
Illumination System - contour	LED Parallel Contour Illumination		
Illumination System - surface	0~255 Stepless Adjustable 5-ring 8-division LED Surface Illumination		
Video System	1/2.9" High Resolution Digital Camera 6.5X Manual Zoom Lens, Optical Magnification: 0.7X-4.5X, Video Magnification: 28X~180X		
Measuring Software	iMeasuring software		
Operation System	Support WIN 10/11-32/64 Operating System		
Working Environment	Temperature 20°C ±2°C , temperature change <1°C /Hr; Humidity 30%~80%RH; Vibration <0.02g's, ≤15Hz		
Power Supply	220V/50Hz/10A		
Load Capacity	25Kg~50Kg		
Dimensions	789x636x1540 mm	961x768x1540 mm	1061x868x1540 mm
Weight	200 Kg	320 Kg	450 Kg