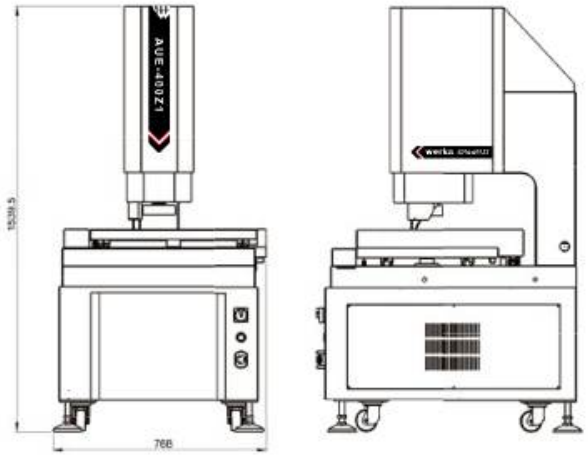
Automatic Vision Measuring Machine





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