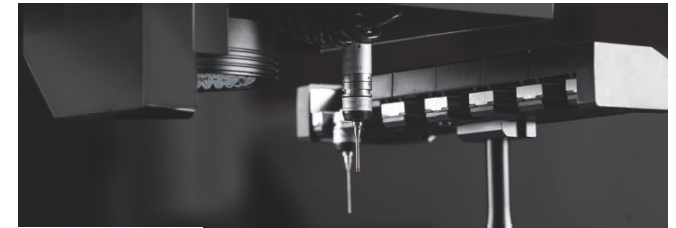


ULTRA Series CNC Automatic Vision Measurement Machine

ULTRA series CNC automatic Vision Measurement Machine is the latest model from UNIMETRO, which offers outstanding measuring performance. The full ULTRA series is config with high accuracy linear slide way, GIGA high resolution digital camera, 3 axis linear scales with 0.0001mm resolution, which ensure more stable hardware dynamic performance and measuring accuracy.



Amazing quality

Aluminum work stage, makes the motion control fast reacting and flexible.
Work stage with hard oxidation surface processing, anti-scratch.
Standard with precise linear slide way, offers smarter mechanical structure and higher accuracy.
Integrated control system, embedded with motion control, and all signal control as illumination and linear scale reading, ensures the performance of the machine is extremely stable.

High performance measuring device

With the External-Array RationalVue composite measuring software, the ULTRA series is capable to offer powerful 2D/3D composite measuring function.
Multi types of non-contact sensors and fast fixturing system are for option, which can satisfy different measuring requirement from different customers.
Movable color LED ring light is available for the ULTRA series, which makes the series more flexible and powerful to different parts with different kinds of materials or shapes, offers more powerful measuring application.

Flexible expansibility

Thanks to the flexible expansibility of ULTRA series, it is compatible with touch probe, non-contact measuring sensors and robot arm, highly increase the measuring efficiency.

Specification

Items	ULTRA300	ULTRA400	ULTRA500	ULTRA600
Dimension(mm)(L×W×H)	1600×780×1700	1750×920×1700	1850×1180×1700	1950×1280×1700
Measuring range(mm)(X×Y×Z)	300×200×200	400×300×200	500×400×200	600×500×200
Measuring Accuracy(μm)	2.5+L/200	2.5+L/200	2.5+L/200	2.5+L/200
Repeatability (μm)	2.5	2.5	2.5	2.5
Weight (kg)	320kg	390kg	460kg	560kg
Image and Measuring	CCD	2 million pixel HD GIGA digital camera		
	Lens	Fully automatic zoom objective 1~10X		
	Magnification	18 - 195X (For reference only, with different camera and lens combination, the value will be different.)		
	Field of View	8.1~1.3mm(For reference only, with different camera and lens combination, the value will be different.)		
	Working distance	108mm		
Linear scale resolution	0.1μm			
Driving system	CNC control, close-loop AC Servo driving system, joystick, mouse or keyboard control			
Illumination	Programmable 8 sections LED ring surface light, parallel LED contour light, (40 section LED ring light, co-axial light, movable multi color ring light for option)			