
















Global partners

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-  MOROCCO • CASABLANCA
-  MEXICO • SILAO
• SALTILLO
-  United States • SEABROOK
-  SINGAPORE
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Our service

UNIMETRO is devoting to offer the best metrology products and solution, also offer the best after sales service.

Free on-line support, free software upgrade and fast reaction of after sales service ensure the satisfaction of our customers and dealers.

Global market

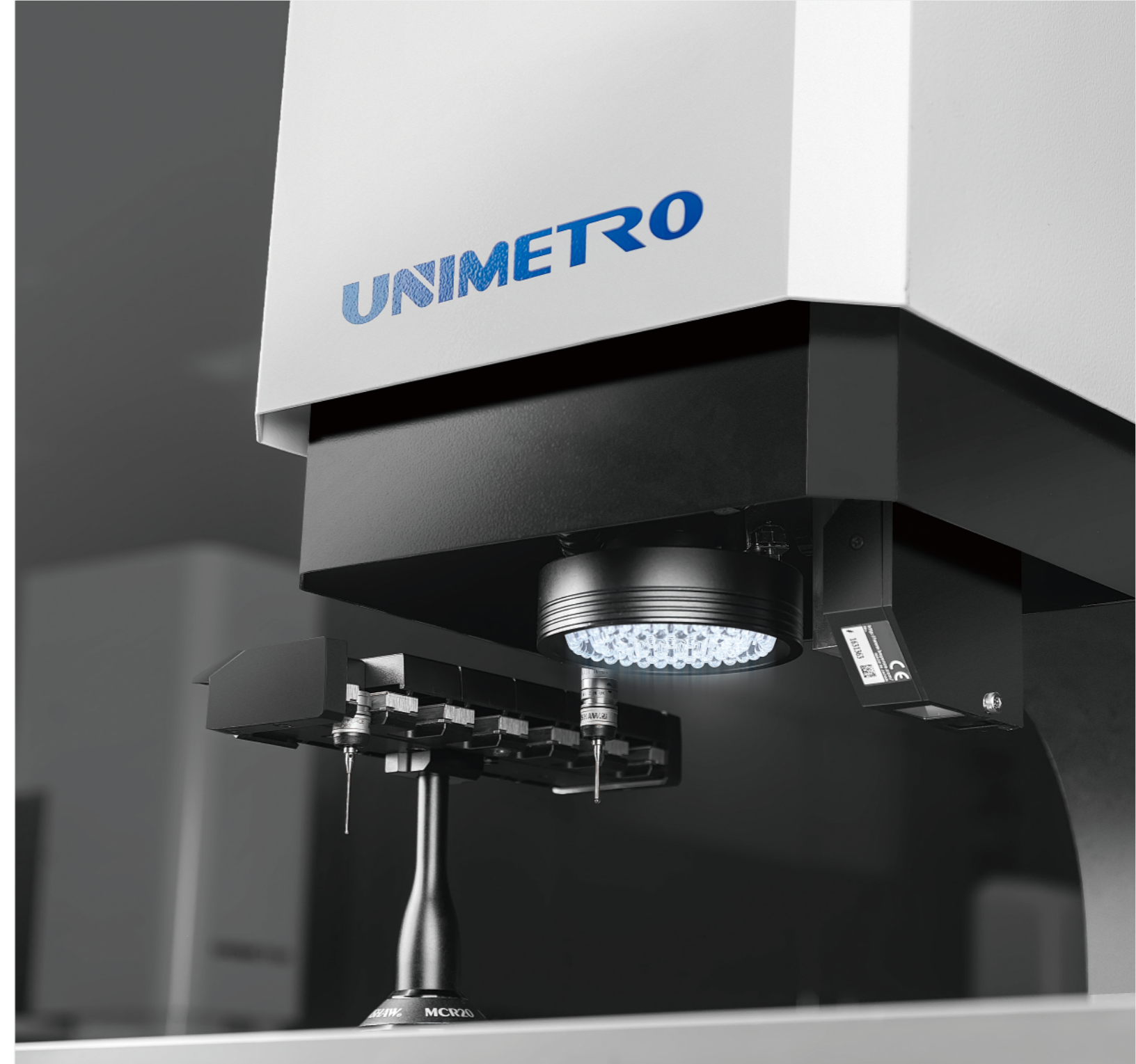
Dealers or distributors all over the world are welcome and we will offer full support in commercial and technical phase.

UNIMETRO is always providing products with the best price performance ratio and the best service.

OEM and special measuring solution

UNIMETRO is available for OEM service for our distributors.

Thanks to the professional technical team of UNIMETRO, we are also capable for varies kinds of special measuring solution or devices development, please consult to our engineer if you have such kind of requirement.



CNC Automatic Vision Measurement Machine
ULTRA Series



Website

UNIMETRO(HONGKONG) INTERNATIONAL TRADING CO., LTD.
DONGGUAN XIANGYU PRECISION MACHINERY CO., LTD.
ZHUHAI XIANGYI TECHNOLOGY CO., LTD.

<https://www.unimetro.cn>

UNIMETRO[®]
UNIVERSAL METROLOGY

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 stabe hardware dynamic performance and measuring accuracy.



The economical Universal Vision Measuring Solution

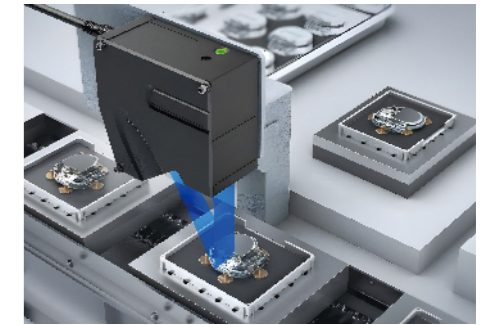
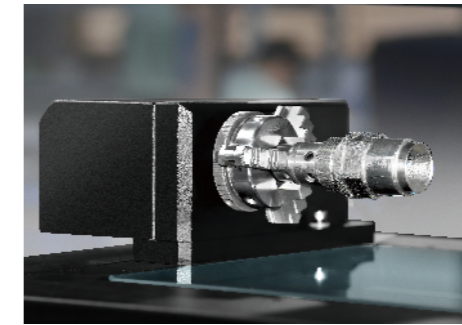
High adaptability to multiple measuring sensors

Supporting automatic stylus change rack (Optional)

High accuracy aluminum work stage
0.1 micron resolution linear transducers

Standard precision linear guide,
compact structure, high precision

Integrated control system,
extremely stable performance



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 multiple optional operation 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, 4-axis rotary table, laser profiler, or robot arm, highly increase the measuring efficiency.

Specification

Items	ULTRA300	ULTRA400	ULTRA500	ULTRA600
Dimension(mm)(X/Y/Z)	640 / 780 / 1750	790 / 920 / 1750	875 / 1200 / 1750	1015 / 1300 / 1750
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)	2.5μm	2.5μm	2.5μm	2.5μm
Weight (kg)	380kg	450kg	560kg	655kg
Image and Measuring	CCD	1.3M pixel HD GIGA digital camera (5M pixel HD digital camera for option)		
	Lens	Fully automatic zoom objective 1~10X		
	Magnification	28 - 180X (For reference only, with different camera and lens combination, the value will be different.)		
	Field of View	8.5~1.3mm(For reference only, with different camera and lens combination, the value will be different.)		
	Working distance	80mm		
Linear scale resolution	0.1 μm			
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)			