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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

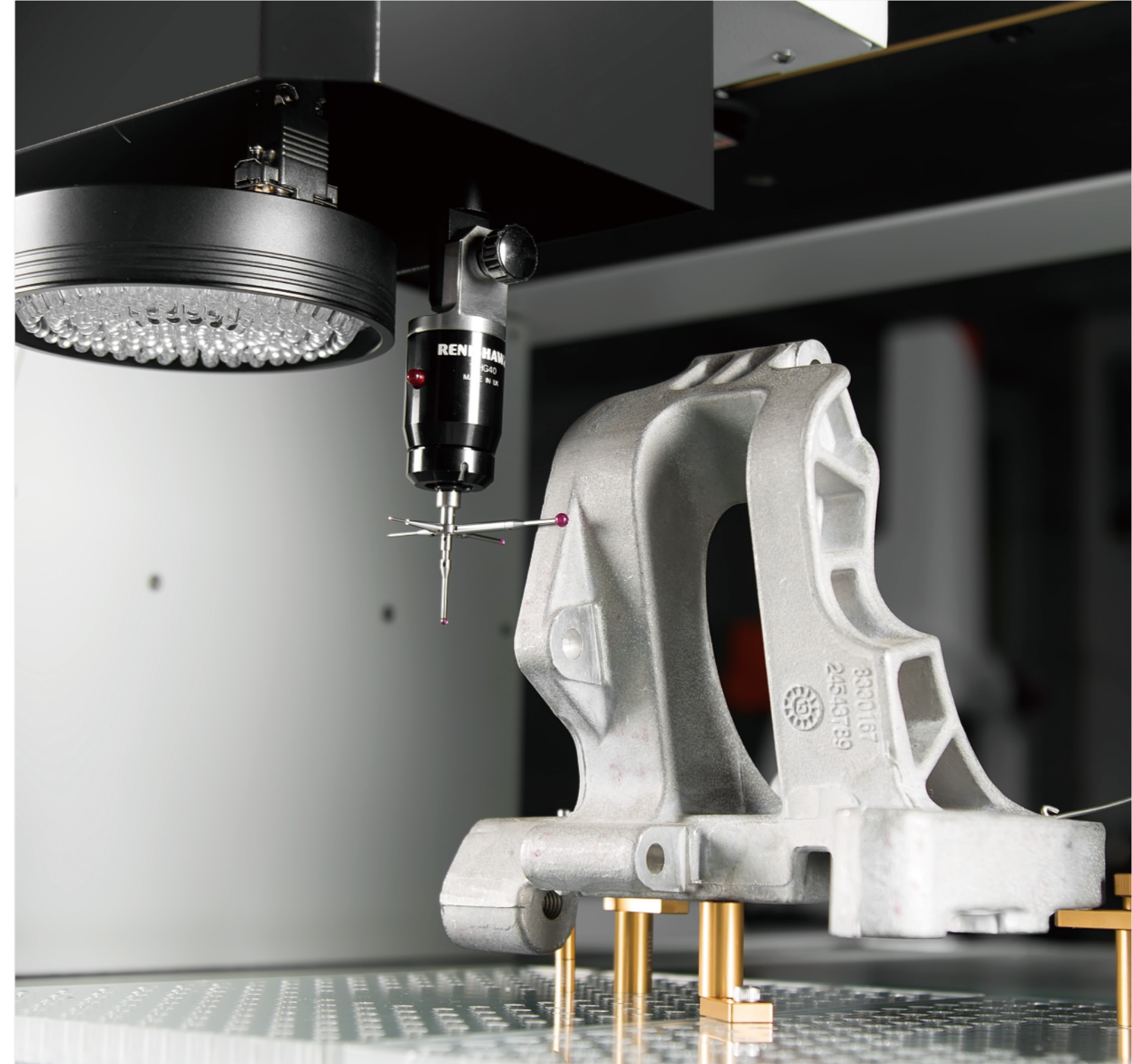
Dealers or distributors all over the world are welcome and we will offer full support in commercial and technical phase.

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
Gantry Type HE Series



Website

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

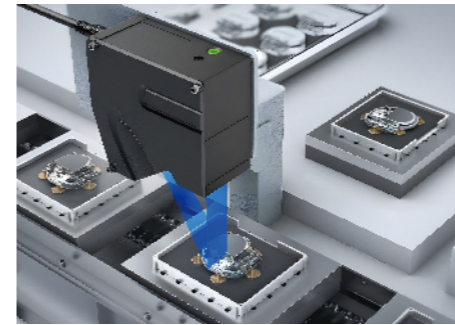
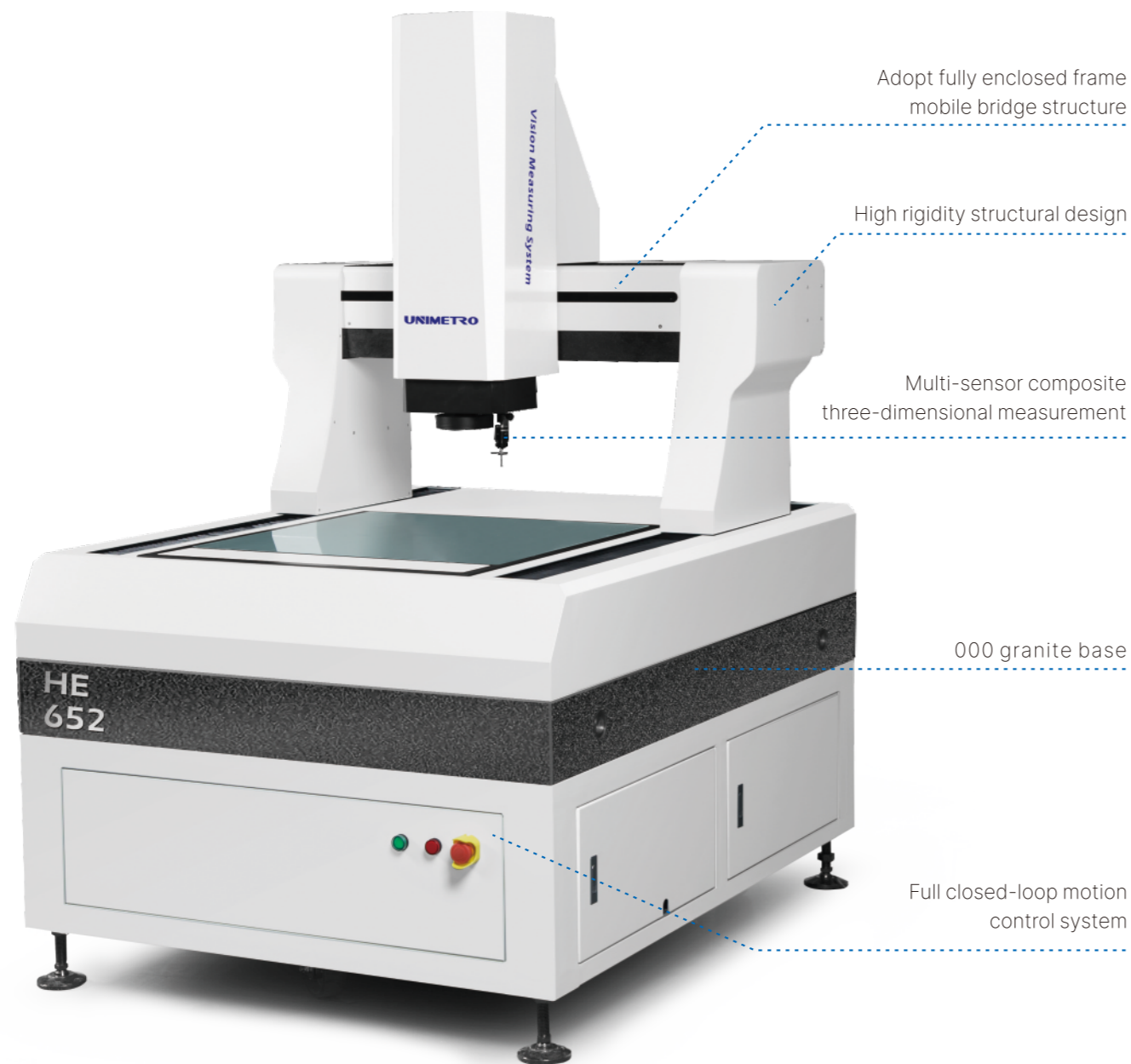
<https://www.unimetro.cn>

UNIMETRO[®]
UNIVERSAL METROLOGY

HE Series

Gantry Type CNC Automatic Vision Measurement Machine

The HE series high accuracy gantry type vision measurement machine combines high accuracy and high efficiency, offers high speed measuring for the geometric elements of different kinds of large parts. The HE series is widely used in varies industries and products as PCB, car industry, Pad glass, LCD modules, Solar industry, Aviation ,New energy and Insulation materials etc.



Wide range of accessories

The HE Series is supporting multiple option of accessories, including touch probe, laser sensor, white light sensor, probe rack and laser profiler. It offers more solution for users of different measuring task.

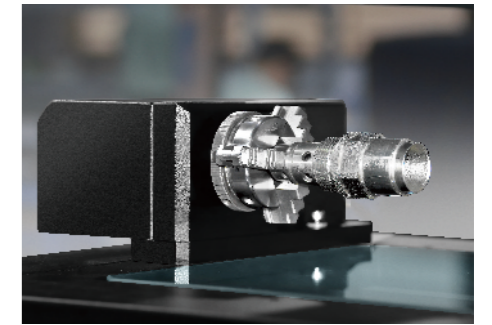


High rigidity

Finite elements analysis is introduced in the designing process of the HE series, ensures high rigidity and accurate mechanical structure.

The machine base is using closed frame movable bridge type structure, which is simple and offers high loading capability and the best motion performance.

000 grade granite machine base, offers high rigidity, corrosion resistance and high stability.



Flexibility and high accuracy

The work stage is able to preset multiple products fixturing solution, also multiple lens combination is for option, Satisfying different measuring requirement from different customers. Full close loop motion control system, ensures the best movement and positioning performance.

UNIMETRO has rich experience of building large gantry type VMM machines, offers ODM service of large machines with measuring range up to 5000mm (X or Y axis). Please consult to your nearest UNIMETRO distributor.

Specification

Items	HE652	HE862	HE1080	HE1210	HE1512	HE1812
Dimension(mm)(X / Y / Z)	1170/1630/1800	1270/1830/1800	1500/2000/1800	1700/2200/1800	1900/2500/1800	1900/2700/1800
Measuring range(mm)(X / Y / Z)	500×600×200	600×800×200	800×1000×200	1000×1200×200	1200×1500×200	1200×1800×200
Measuring Accuracy(μm)	3 + L / 200	3 + L / 200	3 + L / 200	3 + L / 200	3 + L / 200	3 + L / 200
Repeatability(μm)	3μm	3μm	3μm	4μm	4μm	4μm
Weight (kg)	1200kg	1800kg	2500kg	3500kg	4200kg	4600kg
Image and Measuring	CCD	1.3M pixel HD GIGA digital camera (5M pixel HD digital camera for option)				
	Lens	Fully automatic zoom lens 1~10X				
	Magnification	28 - 180X (For reference only. With different camera and lens the magnification 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	0.5μm(0.1μm for option)					
Driving system	CNC control, AC fully closed loop servo motor drive; rJoystick control, mouse/keyboard control					
Illumination	Programmable LED8 partition ring surface light, LED bottom parallel light (optional: 40 partition ring light, coaxial light, adjustable color light source)					