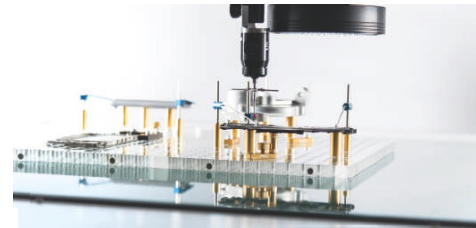


HE Series Gantry Type CNC Automatic Vision Measurement Machine

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 parts. The HE series is widely used in various industries and products as PCB, copper clad laminate, pad glass, LCD modules, and insulation materials etc.



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 stable bridge type structure, which is reliable and offers high loading capability the best motion performance.
- The 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, satisfy different measuring requirement from different customers.
- Full close loop motion control system, ensures the best movement and positioning performance.

Multiple sensors solution

The HE series gantry type vision measurement machine can combine multiple measuring sensors in one machine, including image system, touch probe, laser sensor and white light sensor. Also supporting full line of Renishaw probe magazine, all the external measuring devices can run on the same coordinates system, which allows the HE series be compatible with different measurement application.

Specification

Items	HE652	HE862	HE1080	HE1210	HE1512	HE1812
Dimension(mm)(L×W×H)	1700×1180×1750	1700×1280×1750	1900×1480×1750	2100×1680×1750	2500×1880×1750	2700×1880×1750
Working range(mm)(X×Y×Z)	500×600×200	600×800×200	800×1000×200	1000×1200×200	1200×1500×200	1200×1800×200
Working Accuracy(μm)	3+L/200	3+L/200	3+L/200	3+L/200	3+L/200	3+L/200
Repeatability (μm)	3	3	3	4	4	4
Weight(kg)	1500kg	1800kg	2900kg	3200kg	4400kg	4800kg
Camera and lighting	CCD	2 million pixel HD GIGA digital camera				
	Lens	Fully automatic zoom lens 1~10X				
	Magnification	18 - 195X (For reference only. With different camera and lens the magnification 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	82mm				
Scale resolution	0.5μm(0.1μm for option)					
Control system	CNC control, AC fully closed loop servo motor drive; joystick control, mouse/keyboard control					
Lighting	Programmable LED8 partition ring surface light, LED bottom parallel light (optional: 40 partition ring light, coaxial light, adjustable color light source)					