3D Profile Measurement Solution

QMS-342
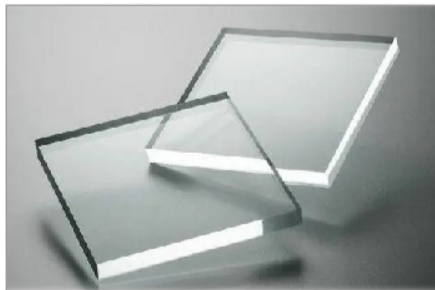Cantilever construction, cast aluminum body

QMS-342 — Product Features

◆ Cantilevered structure, cast aluminum body, with silent level drive platform, to ensure the operation precision and stability of the equipment.

◆ Equipped with 6.5X zoom measurement module, the image is clearer and the edges are sharper for precise products.

◆ Equipped with self-made point spectrum module as standard, it can measure 3D dimensions of products and realize continuous scanning and data collection without stopping, which is efficient and convenient.

◆ Equipped with 3DOS vision measurement software to meet GD&T geometric tolerance and traditional 2D/3D dimensional fast measurement.

QMS-342 — Product Parameter

Code			QMS-342
General Parameters	XY Measurement Accuracy		2.5+L/200
	Z Measurement Accuracy		3+L/150
	XY Speed		300mm/s
	Z Speed		100mm/s
	Platform Load		20kg
	Equipment Size		820×1190×1680mm
Hardware Parameters	XY Measurement Stroke		400x300mm
	Z-Axis Stroke		200mm
	Linear Scale Resolution		0.5μm
	Zoom Lens		0.7-4.5X
	Surface Light		5-ring 40-zone (white light)
	Contour Light		Parallel light
	Height Measurement	Working Distance	55mm
		Working Range	±3mm
		Measurement Accuracy	±2μm
		Maximum Measurement Angle	±13.6°
	Z-Axis Column Material		Granite
	Base Material		Granite
	Table Material		Granite
	Shell Material		Sheet metal
	XYZ Screw		Silent grinding screw
	XYZ Motor		AC servo
	Motor Driver		Chinese Brand
	Motion Controller		PMS-X4
	Camera		Digital camera
	Complementary Software		3DOS 2.0
	Power Supply		220V±10%
	Working Environment		Temperature: 20±3℃, Humidity:30%-80%, Vibration:<0.002G, 15Hz

QMS-342 — Application Cases

Very suitable for measuring distance engraving, radius, angle, radian and other dimensions of the inspection, suitable for electronics, machining, hardware, material processing, automotive and other industries.
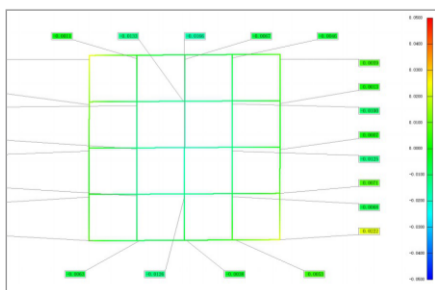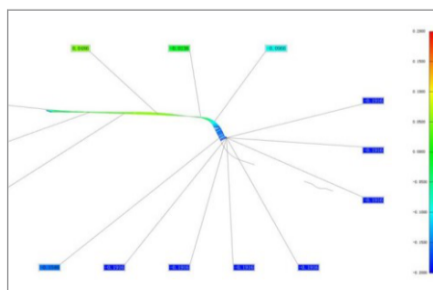
Glass flatness inspection
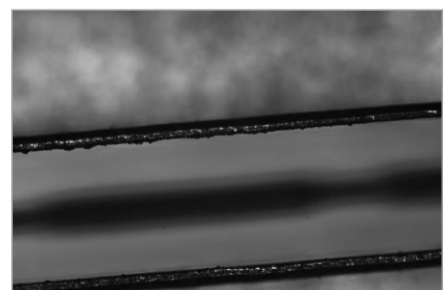
Mobile phone center frame inspection

Cell phone charging port inspection

Glass flatness inspection

Mobile phone center frame inspection

Cell phone charging port inspection