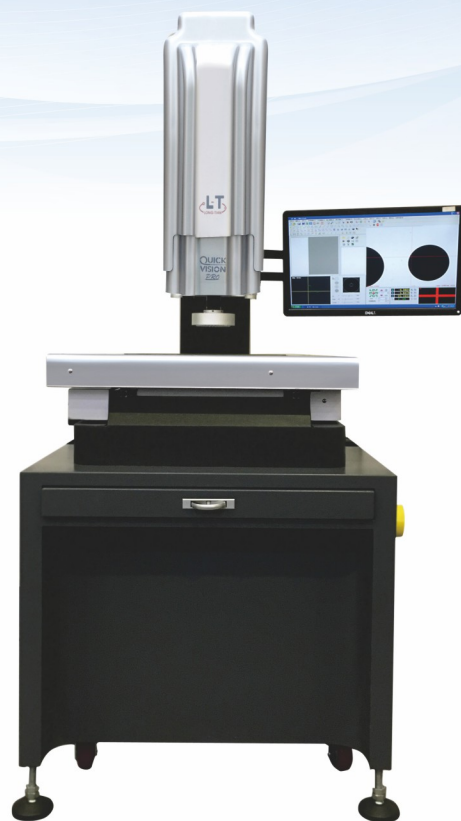


QV (经济型)系列 自动影像测量仪

QV (ECONOMIC TYPE) SERIES

FULL-AUTOMATIC IMAGE MEASURING INSTRUMENT



品质特征 Quality Features

- 大理石底座，立柱，保证具有极高的稳定性及刚性。
- 精密V型导轨和滚珠螺杆，配交流伺服马达全闭环控制，高稳定性、高精度、速度快。
- LT-3D定制高分辨率彩色摄像机，保证拥有高品质的测量画面。
- 手动变倍卡位镜头，(改变倍率后不需要重新选取比例尺)。
- 可编程四环八区LED表面冷光源、直轴轮廓冷光源，使光源对测量要求的适性更加强大。
- 精密光学尺0.001mm。
- 自主研发功能强大的全自动3D测量软件，可全自动测量。
- Granite base and column ensure high stability and rigidity.
- Precision V type guide and ball screw, with AC servo motor and full closed loop control, ensure high stability, high precision, fast speed.
- LT-3D custom made high-resolution color camera, to ensure measuring picture with high quality.
- Manual-control zoom lens, (without re-select measuring scale after changing override).
- Program-controlled four-loop-eight-area LED surface cold light, direct axis contour cold light, to improve the flexibility of light source under measuring requirement.
- Precise optical scale 0.001mm.
- Self-developed powerful full-automatic 3D measuring software, to programme for full-automatic measurement.



QV系列产品技术规格 Technical specifications of QV series of products

H型：选配激光测头组
H type: optional laser measuring head group

T型：选配接触测头组
T type: optional contact measuring head group

仪器参数 Instrument parameter	仪器型号 Instrument model	QV3020	QV4030
测量范围 (mm) Measuring range	X	300	400
	Y	200	300
	Z	200	200
工作台 (mm) Working table	硬铝合金台面 Duralumin table top	460*360	610*480
	玻璃台面 Glass table top	354*254	459*359
	承重 Load bearing	30kg	30kg

影像及 测量系统 Image and measuring system	测量速度 Measuring speed	MAX:200mm/s
	CCD	LT-3D定制高分辨率彩色工业相机 LT-3D custom made high resolution color industrial camera
	变焦物镜 Varifocus lens	手动变倍卡位镜头0.7 - 4.5X(选配同轴光) Manual-control zoom orientation lens 0.7-4.5X (coaxial light is optical)
	视频放大倍率 Video amplification zoom ratio	40-230 X (显示器19寸) 40-230 X (19-inch monitor)
	工作距离 Working distance	82mm
	显示分辨率 Display resolution	0.0001 mm

运动控制系统 全闭环控制：交流伺服系统
Motion Control System Full-close-loop control: AC servo system

重复性 Repeatability	3μm	
测量精度(μm) Measuring precision	XY轴 < (3.0+L/200)um, Z轴(光学测量) < (5+L/200)um XY axis < (3.0+L/200)um, Z-axis (optical measurement) < (5+L/200)um	
外形尺寸 (mm) Contour dimension	710*560*1700	950*750*1700
仪器重量(kg) Instrument weight	280kg	380kg
照明 Lighting	可编程四环八区LED表面光及直轴轮廓光 Program-controlled four-loop-eight-area LED surface light and direct axis contour light	
电源 Power supply	220V±10%(AC) 50HZ 20A	

订货说明：

选配接触测头组①单向测头PH6+TP20，②单向经济型测头MCP

Ordering direction:
Contact measuring head sets optional: ①Semi-automatic rotary measuring head set RTP20+TP20, ②Manual rotary measuring head set MH20I+TP20