

QS系列

高精度全自动影像测量仪

QS CNC OPTICAL MEASURING INSTRUMENT OPTICAL QUALITY ACCURACY



品质特征 Quality Features

- 高精度大理石 工作台 底座及立柱。
- 台湾PMI P精密级线性滑轨和台湾TBI C3级精密研磨滚珠螺杆。配合高性能松下伺服马达全闭环控制，高稳定性、高精度。
- SABEN-3D定制工业高清彩色CCD。
- 可编程调节:LED六环八区(三十二相)表面环光+同轴落射光+底部平行光
- RSF高精度金属光栅尺,分辨率0.0005mm。
- 自主研发功能强大的全自动测量软件,可自动编程测量。
- 手动变倍卡位镜头,变倍后不需要校正(选配全自动变倍镜头)。
- High precision marble working desk, base and column.
- Taiwan PMI P precision grade linear slide track and Taiwan TBI C3 precision grinding ball screw. With high performance Panasonic servo motor full closed loop control, high stability, high precision.
- SABEN-3D custom made industrial high-resolution color CCD.
- Programmable adjustment :LED six ring eight area (32 phase) surface ring light + coaxial falling light + bottom parallel light
- RSF high precision metal grating ruler, resolution 0.0005mm.
- Self-reliantly developed automatic measuring software with powerful function, enabling programmable automatic measurement.
- Manual magnification change and shutter lens, and calibration is not required after changing magnification(coaxial full-automatic zoom).

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

H型: 选配点激光测头组
H-type: optional laser measuring head group

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

M型: 地图导航系统
M-type: Map Navigation System

L型: 灯光升降系统
L-type: Lighting Lifting System

仪器型号 Instrument model		QS3020	QS4030	QS5040	QS6065
测量范围 (mm) Measuring range	X	300	400	500	600
	Y	200	300	400	650
	Z	200	200	200	200
工作台 (mm) Working table	大理石台面 Marble & Granite	647*380	827*480	1012*585	1400*1100
	玻璃台面 Glass table top	315*245	445*345	550*450	748*718
	玻璃承重 Glass load-bearing	30KG	30KG	30KG	50KG

影像及 测量系统 Image and measuring system	测量速度 Measuring speed	MAX:300mm/s			
	CCD	SABEN-3D定制高清工业相机 SABEN-3D custom made industrial high-definition CCD			
	变焦物镜 Varifocus lens	自动变倍物镜0.75-4.5X连续变倍 Automatic magnification objective lens 0.75-4.5X continuous magnification			
	视频放大倍率 Video amplification zoom ratio	视频放大倍率:21-115X或36-203X(22英寸宽屏显示器) Video magnification: 21-115x or 36-203x (22-inch widescreen display)			
	工作距离 Working distance	86mm			
	显示分辨率 Display resolution	0.0001mm			

重复性 Repeatability	1.8μm			
测量精度(μm) Measuring precision	X、Y线性精度: 2+L/250 X-Y矢量精度: 2.5+L/200 Z轴精度≤5+L/100um (标准量块检测) X and Y linear accuracy: 2+L/250 X-y vector accuracy: 2.5+L/200 Z-axis accuracy ≤5+L/100um (standard measurement block)			
外形尺寸 (mm) Contour dimension	1000*730*1670	1210*910*1700	1430*1070*1985	1400*1150*1240
仪器重量(kg) Instrument weight	285	345	425	1600
照明 Lighting	可编程调节:LED六环八区(三十二相)表面环光+同轴落射光+底部平行光 Programmable adjustment :LED six ring eight area (32 phase) surface ring light + coaxial falling light + bottom parallel light			
电源 Power supply	220V±10%(AC) 50HZ 20A			

订货说明:

选配接触测头组①手动旋转测头组MH20I+TP20, ②单向测头PH6+TP20, ③单向经济型测头MCP

Ordering direction:

Contact measuring head sets optional.①Automatic rotary measuring head set PH10+TP20, ②Semi-automatic rotary measuring head set RTP20+TP20, ③Manual rotary measuring head set MH20I+TP20

