

Manual enhanced 手动增强型

用途:

该仪器适用于以二维坐标测量为目的的应用领域，在机械、电子、仪表、塑料等行业被广泛应用。

USES:

The instrument is suitable for the application field of two-dimensional coordinate measurement, and is widely used in machinery, electronics, instruments, plastics and other industries.



特点:

- ★ 自主研发功能强大的 3D-M测量软件
- ★ 大理石底座结构，铸件工作台保证拥有极高的稳定性及刚性
- ★ 精密性导轨和无牙螺母传动方式
- ★ 高清晰彩色摄像机
- ★ 可通过激光指示器寻找被测工件的具体位置
- ★ 可编程表面冷光源、轮廓冷光源、使光源对测量要求的适应性更加强大
- ★ 整机一体化结构设计、外观简洁大气

Features:

- ★ Independently developed 3d-m measurement software with powerful functions
- ★ Marble base structure, casting table ensures high stability and rigidity
- ★ Driving mode of precision guide rail and toothless nut
- ★ High definition color camera
- ★ The laser indicator can be used to find the specific position of the workpiece to be measured
- ★ Programmable surface cold light source, contour cold light source, to make the light source meet the measurement requirements Stronger adaptability
- ★ Integrated structural design and simple appearance of the whole machine

★ 技术参数/Specification

型号 Model	VM-2010A	VM-3020A	VM-4030A	VM-5040A
工作台尺寸 (mm) Worktable Size(mm)	350*250	450*350	560*460	660*560
玻璃台尺寸 (mm) Glass table size(mm)	245*145	340*240	440*340	540*440
外形尺寸 (mm) Shape Size(mm)	600*580*1600	780*580*1650	980*680*1720	1080*780*1820
X,Y测量行程 (mm) X, Y measurement stroke(mm)	200*100	300*200	400*300	500*400
Z轴行程 Z axis stroke	200 (可定制至400mm) 200(customizable to 400mm)			
重量 (kg) Weight(kg)	160	240	360	430
承重 (kg) Load(kg)	25	30	35	35
精度 precision	$E_{xy} = (2.5 + L/200) \mu m$			
光栅尺分辨率 Grid ruler resolution	0.001mm			
图像传感器 Image sensor	130W高清晰数字相机 130W high resolution digital camera			
光学镜头 Optical lens	0.7X-4.5X手动变倍镜头 0.7X-4.5 X Manual doubling lens			
镜头放大赔率 Lens magnification odds	20X-148X			
物方市场 Property Market	8.1mm-1.3mm			
光源 light source	轮廓光采用 LED冷光源平行光, 表面光采用环形冷光源 The outline light uses LED cold light source parallel light, and the surface light uses circular cold light source			
工作距离 Working distance	92mm			
软件 software	ZK3D-M			
工作环境 work environment	温度 $20^{\circ} \pm 5^{\circ}$ 、温度变化 $\leq 2^{\circ}$ 、湿度30%-80% Temperature $20^{\circ} \pm 5^{\circ}$, temperature change, 2° , humidity 30% -80%			
电源 power supply	AC220V、50/60HZ、功率: 50W (不含电脑) AC220V, 50/60HZ, power: 50W(excluding computers)			

可选配：同轴光镜头（深孔或白色件成像效果更好）、简易测头（可以测量三维尺寸）、旋转工作台（可快速摆正工件水平）、电脑