

Automatic imager (V-type guide rail) 自动影像仪 (V型导轨)

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-CNC自动测量软件、可自动编程、自动检测
- ★ 大理石底座结构和大理石工作台保证拥有极高的稳定性及刚性
- ★ 精密V型导轨和研磨级滚珠丝杠、配伺服马达全闭环控制器、高稳定性、高精度、速度快
- ★ 高清晰彩色摄像机
- ★ 通过激光指示器寻找被测工件的具体位置
- ★ 程控五环八区表面冷光源、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:

- ★ Self-developed powerful 3D-CNC automatic measurement software, auto-editing Program, automatic detection
- ★ Marble base structure and marble work table ensure high stability and rigidity
- ★ Precision V-guide rail and grinding ball screw, with servo motor full closed-loop controller, high stability, high precision and high speed
- ★ High definition color camera
- ★ The exact location of the work piece can be found by laser indicator
- ★ Programmable control of the five ring eight zone surface cold light source, outline cold light source, light source measurement. The fitness to demand is stronger.
- ★ Integrated structural design and simple appearance of the whole machine

★技术参数/Specification

型号 Model	VM-3020C	VM-4030C	VM-5040C
工作台尺寸 (mm) Worktable Size(mm)	500*350	600*460	700*560
玻璃台尺寸 (mm) Glass table size(mm)	340*240	450*350	540*440
外形尺寸 (mm) Shape Size(mm)	800*680*1700	900*780*1700	1080*880*1750
X,Y测量行程 (mm) X, Y measurement stroke(mm)	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)	300	410	580
承重 (kg) Load(kg)	30	35	40
精度 precision	$E_{xy} = (3 + L/200) \mu m$		
光栅尺分辨率 Grid ruler resolution	0.001mm		
图像传感器 Image sensor	高清晰彩色 1/3 CDD High clarity color 1/3 CDD		
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	27X-180X		
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, 程控光源 The outline light adopts LED cold light source parallel light, the surface light adopts circular cold light source, and the program-controlled light source.		
工作距离 Working distance	92mm		
软件 software	ZK3D-M		
工作环境 work environment	采用全闭环丝杆传动方式 Adopt full closed-loop wire rod transmission		
运行速度mm/s Run speed mm/s	XY : 200mm/s Z : 80mm/s		
工作环境 work environment	温度 $20^{\circ} \pm 5^{\circ}$ 、温度变化 $\angle 2^{\circ}$ 、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：自动变倍镜头、导航相机、同轴光镜头、简易测头、激光位移器、附加镜