

Fully automatic imager (high matching) 全自动影像仪 (高配型)

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-CNC自动测量软件、可自动编程、自动检测
- ★ 全大理石结构保证拥有极高的稳定性及刚性
- ★ 台湾精密直线型导轨和研磨级滚珠丝杠、配日本松下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 (SONY芯片)，保证高品质的测量画面
- ★ 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
- ★ 英国renishw 光学尺，分辨率为0.0005mm
- ★ 自动变倍镜头、改变倍率后不需要重新选取倍率
- ★ 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
- ★ All marble structure ensures high stability and rigidity
- ★ Taiwan precision linear guide rail and grinding ball screw, with Panasonic servo motor of Japan Full closed-loop controller, high stability, high precision and high speed
- ★ High definition color camera (Sony chip) ensures high quality measurement picture
- ★ 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.
- ★ Renishaw optical ruler, resolution 0.0005mm
- ★ Automatic zoom lens, no need to re select the magnification after changing the magnification
- ★ Integrated structural design and simple appearance of the whole machine

★技术参数/Specification

型号 Model	VM-3030CP	VM-4040CP	VM-5050CP
工作台尺寸 (mm) Worktable Size(mm)	590*500	690*600	790*700
玻璃台尺寸 (mm) Glass table size(mm)	360*360	460*460	560*560
外形尺寸 (mm) Shape Size(mm)	1100*620*1760	1200*720*1760	1300*820*1750
X,Y测量行程 (mm) X, Y measurement stroke(mm)	300*300	400*400	500*500
Z轴行程 Z axis stroke	200 (可定制至400mm) 200(customizable to 400mm)		
重量 (kg) Weight(kg)	460	550	630
承重 (kg) Load(kg)	45	50	50
精度 precision	$E_{xy} = (2.0 + L/200) \mu m$		
光栅尺分辨率 Grid ruler resolution	0.0005mm		
图像传感器 Image sensor	230W高清晰数字相机 230W high resolution digital camera		
光学镜头 Optical lens	0.7X-4.5X自动变倍镜头 0.7X-4.5 X automatic doubling lens		
镜头放大倍数 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-CNC		
控制系统 control system	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 : 300mm/s Z : 80mm/s		
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: 1200W (不含电脑) AC220V, 50/60HZ, power: 1200W(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

Gantry type automatic imager 龙门型自动影像仪

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
- ★ 全大理石结构保证拥有极高的稳定性及刚性
- ★ 台湾精密直线型导轨和研磨级滚珠丝杠、配日本松下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 (SONY芯片)，保证高品质的测量画面
- ★ 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
- ★ 英国renishaw 光学尺，分辨率为0.0005mm

Features:

- ★ Self-developed powerful 3D-CNC automatic measurement software, auto-editing Program, automatic detection
- ★ All marble structure ensures high stability and rigidity
- ★ Taiwan precision linear guide rail and grinding ball screw, with Panasonic servo motor of Japan Full closed-loop controller, high stability, high precision and high speed
- ★ High definition color camera (Sony chip) ensures high quality measurement picture
- ★ 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.
- ★ Renishaw optical ruler, resolution 0.0005mm

★ 技术参数/Specification

型号 Model	VM-5060LP	VM-6080LP	VM-8010LP	VM-1012LP
工作台尺寸 (mm) Worktable Size(mm)	760*660	960*760	1160*960	1360*1160
外形尺寸 (mm) Shape Size(mm)	1560*1130*1700	1760*1230*1700	1930*1420*1700	2160*1620*1700
X,Y测量行程 (mm) X, Y measurement stroke(mm)	500*600	600*800	800*1000	1000*1200
Z轴行程 Z axis stroke	200 (可定制至400mm) 200(customizable to 400mm)			
重量 (kg) Weight(kg)	980kg	1300kg	1800kg	2200kg
承重 (kg) Load(kg)	50	50	50	50
精度 precision	$E_{xy} = (2.8 + L/200) \mu m$			
光栅尺分辨率 Grid ruler resolution	0.0005mm			
图像传感器 Image sensor	高清晰数字相机 High definition digital camera			
光学镜头 Optical lens	0.7X-4.5X手动变倍镜头 0.7X-4.5X Manual doubling lens			
镜头放大倍数 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-CNC			
控制系统 control system	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 : 300mm/s Z : 80mm/s			
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: 1800W (不含电脑) AC220V, 50/60HZ, power: 1800W(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

Large travel gantry imager 大行程龙门型影像仪

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。

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- ★ 全大理石结构保证拥有极高的稳定性及刚性
- ★ 台湾精密直线型导轨和研磨级滚珠丝杠、配日本松下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 (SONY芯片)，保证高品质的测量画面
- ★ 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
- ★ 英国renishw 光学尺，分辨率为0.0005mm
- ★ 自动变焦镜头、改变倍率后不需要重新选取倍率

Features:

- ★ Self-developed powerful 3D-CNC automatic measurement software, auto-editing Program, automatic detection
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- ★ Renishaw optical ruler, resolution 0.0005mm
- ★ Automatic zoom lens, no need to re select the magnification after changing the magnification

★技术参数/Specification

型号 Model	VM-1518LP	VM-1525LP
玻璃台尺寸 (mm) Glass table size(mm)	1960*1660	2660*1660
外形尺寸 (mm) Shape Size(mm)	2860*2220*1700	3560*2220*1700
X,Y测量行程 (mm) X, Y measurement stroke(mm)	1500*1800	1500*2500
Z轴行程 Z axis stroke	200 (可定制至400mm) 200(customizable to 400mm)	
重量 (kg) Weight(kg)	3200kg	3800kg
承重 (kg) Load(kg)	50	50
精度 precision	$E_{xy} = (4.5 + L/200) \mu m$	
光栅尺分辨率 Grid ruler resolution	0.0005mm	
图像传感器 Image sensor	高清晰彩色摄像机 High definition color camera	
光学镜头 Optical lens	0.7X-4.5X自动变倍镜头 0.7X-4.5 X automatic doubling lens	
镜头放大倍数 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-CNC	
控制系统 control system	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 : 500mm/s Z : 80mm/s	
工作环境 work environment	温度 $20^{\circ} \pm 5^{\circ}$ 、温度变化 $< 2^{\circ}$ 、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：2500W (不含电脑) AC220V, 50/60HZ, power: 2500W(excluding computers)	

可选配：导航相机、同轴光镜头、简易测头、激光位移器、附加镜