

Manual Vision Measuring Machine



Technical Specification

The vision measuring machine is a high-precision optical measuring instrument integrating light, mechanics, electricity and calculation, which is developed on the basis of traditional optical instruments and combined with the most advanced modern image processing and computer software technology.

It is mainly used for two-dimensional measurement and assists three-dimensional measurement. It can perform efficient, fast, accurate and batch measurement of plane geometric elements such as workpieces, points, lines, circles, arcs, ellipses, rectangles, distances, and angles, and some three-dimensional geometric elements such as cylinders, cones, spheres, and heights.

Product Characteristics

- Auto calibration function.
- Automatic edge finding measurement function.
- Users can import the AUTO CAD workpiece file into the measurement software in DXF format, and then can. easily realize the intuitive comparison between the image and the drawing.
- TEO CCD Camera.

manual vision measuring machine

Model		2010	3020	4030	5040
Effective Measurement Travel	X (mm)	200	300	400	500
	Y (mm)	100	200	300	400
	Z (mm)	200	200	200	200
Marble Workbench	Marble Countertop Size (mm)	360 *260	460 *360	560 * 460	710 * 610
	Glass Countertop size (mm)	229 *129	329 *229	429 *329	529 *429
	Weight (kg)	150	200	280	380
	Size (mm)	760 *660 * 970	760 *660 *970	860 *760 *970	1160 * 910 *1020
Power	110V(AC)~220V(AC) 50HZ Total power:50W				
Digital Resolution	X,Y coordinate measuring indication error $\leq 3 + L/200$ μm				
Image measurement system	x, y, z axis manual				
Resolution	0.001mm				
Controller System	ACT420 Electronic control system(depending on the model)				
Grating ruler	Sinpo brand grating ruler ,resolution:1 μm				
Camera	Comst Gigabit high-speed digital camera				
Motor	Precision servo integrated motor unit				
Guide Rails	The XY axis uses parallel precision ball cross guide rails, and the Z axis uses silver linear guide rails				
Lens	Pomeas digital zoom objective lens				
Software	INSPEC intelligent measurement software supports multiple languages				



Semi-automatic Vision Measuring Machine

Model		-2010S	-3020S	-4030S	-5040S
Effective Measurement Travel	X (mm)	200	300	400	500
	Y (mm)	100	200	300	400
	Z (mm)	200	200	200	200
Marble Workbench	Marble Countertop Size (mm)	360 * 260	460 * 360	560 * 460	710 * 610
	Glass Countertop size (mm)	229 * 129	329 * 229	429 * 329	529 * 429
	Weight (kg)	150	200	280	380
	Size (mm)	760 * 660 * 970	760 * 660 * 970	860 * 760 * 970	1160 * 910 * 1020
Power	110V(AC)~220V(AC) 50HZ Total power:50W				
Digital Resolution	X,Y coordinate measuring indication error $\leq 3 + L/200$ μm				
Image measurement system	z axis automatic control, x, y, axis manual control				
Resolution	0.001mm				
Controller System	ACT420 Electronic control system(depending on the model)				
Grating ruler	Sinpo brand grating ruler ,resolution:1 μm				
Camera	Comst Gigabit high-speed digital camera				
Motor	Precision servo integrated motor unit				
Guide Rails	The XY axis uses parallel precision ball cross guide rails, and the Z axis uses silver linear guide rails				
Lens	Pomeas digital zoom objective lens				
Software	INSPEC intelligent measurement software supports multiple languages				

Automatic Vision Measuring Machine

Model		-2010T	-3020T	-4030T	-5040T
Effective Measurement Travel	X (mm)	200	300	400	500
	Y (mm)	100	200	300	400
	Z (mm)	200	200	200	200
Marble Workbench	Marble Countertop Size (mm)	360 * 260	460 * 360	560 * 460	710 * 610
	Glass Countertop size (mm)	229 * 129	329 * 229	429 * 329	529 * 429
	Weight (kg)	150	200	280	380
	Size (mm)	760 * 660 * 970	760 * 660 * 970	860 * 760 * 970	1160 * 910 * 1020
Power	110V(AC)~220V(AC) 50HZ Total power:50W				
Digital Resolution	X,Y coordinate measuring indication error $\leq 3 + L/200$ μm				
Image measurement system	Image measurement system,x,y,z axis automatic control				
Resolution	0.001mm				
Controller System	ACT420 Electronic control system(depending on the model)				
Grating ruler	Sinpo brand grating ruler ,resolution:1 μm				
Camera	Comst Gigabit high-speed digital camera				
Motor	Precision servo integrated motor unit				
Guide Rails	The XY axis uses parallel precision ball cross guide rails, and the Z axis uses silver linear guide rails				
Lens	Pomeas digital zoom objective lens				
Software	INSPEC intelligent measurement software supports multiple languages				