

2D+3D Composite CNC Video Measuring System VMU Series



Application:

VMU Series is the most advanced CNC type video measuring system with 2 μm precision developed by HST Group. It is widely applied in machinery, electronics, mould, etc. for precision auto measurement.

Technical parameter:

Model	VMU3020	VMU4030	VMU5030

Worktable	Work Table Dimension(mm)	600*390	700*490	800*490
	Glass Table Dimension(mm)	350*250	450*350	550*350
	X,Y Stroke(mm)	300*200	400*300	500*300
Z Stroke		200(Focus)	200(Focus)	200(Focus)
Resolution		0.5/0.1 μm		
Accuracy E1*		$E_{x,y} \leq (2.0+L/200) \mu\text{m}$		
Accuracy E2*		$E_{xy} \leq (2.3+L/200) \mu\text{m}$		
Accuracy E3*		$E_z \leq (2.5+L/100) \mu\text{m}$		
Instrument Weight (kg)		330	450	500

Instrument Dimension (mm)		620*840*1020	720*1040*1020	800*1040*1020
Motor	Three-axis Max. Velocity	X,Y: 400mm/s Z: 200mm/s		
	Three-axis Positioning Accuracy	0.001mm		
Imaging System	Camera	TEO™ Color 1 / 2 "CCD Camera		
	Zoom Lens	Pomeas™ AUTO zoom lens		
	Zoom Lens Magnification	0.7-4.5X		
	Video Magnification	20-128X		
	FOV	11.1-1.7mm		
	Power Consumption	800W		

Instrument Accessories	1X Tube (standard)		0.5X Tube (optional)		WD
Zoom Lens	0.7-4.5X		0.7-4.5X		
Add Lens	Video Magnification	FOV	Video Magnification	FOV	
0.5X(option)	10X-64X	22-3.4	5X-32X	44-6.8	
1.0X(standard)	20X-128X	11.1-1.7	10X-64X	22-3.4	92
2.0X(option)	40X-256X	5.5-0.9	20X-128X	11.1-1.7	36

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