

Automatic CNC Image Measurement Instrument



Features:

Adopt double closed-loop motion control, motor with precise positioning performance in high-speed movement.

Using company's embedded modules control motor, not only increasing motor speed accordingly, but also simplifying the interface of the instrument with PC. The PC and instruments are linked through the USB line and S-Video cable.

With granite platform, look simple and generous.

Surface light formed by 24 groups independent light source, each group is constant current source driver and 200-step continuous variable.

With company-specific CNC software has greatly enhanced the efficiency measurement.

Model		CVMS-2515E	CVMS-3020E	CVMS-4030E	CVMS-5030E
Table	Metal table's size(mm)	450*280	500*330	606*466	706*466
	Glass table's size(mm)	306*196	350*280	450*350	550*350
	X.Y axis Travel(mm)	250*150	300*200	400*300	500*300
	Z-axis travel lift(mm)	150(Focus)	150(Focus)	150(Focus)	150(Focus)
	X.Y.Z-axis digital display resolution	0.5μm	0.5μm	0.5μm	0.5μm
	X.Y coordinates showing error	$\leq (3+L/200)$ L is the measured length, unit: mm			
	Instrument Weight (Kg)	220	270	325	450
	Dimension (mm)	670*660*950		720*950*1020	720*950*1020
Motor	Three-axis velocity	100mm/s			
	Three-axis positioning accuracy	0.001mm			
Large Imaging System	Camera	TEO Color 1 / 2 "CCD Camera			
	Zoom	U.S. NAVITAR coaxial optical zoom lens with a zoom lens (2 select one)			



	Zoom magnification	0.7-4.5X			
	Video Total magnification	30-190X			
	object field	11.1-1.7mm			
	Power	AC220V/AC110V			
	Power consumption	100W (not including computers)			
Instrument Accessories	1X tube (standard)	0.5X tube (Optional)			
Zoom lens	0.7-4.5X	0.7-4.5X			
Add Mirror	Video magnification	Material side field (mm)	Video magnification	Material side field (mm)	Working Distance
(optional)	11.8X-74X	22-3.4	5.9X-37X	44-6.8	175
Standard	23.5X-148X	11.1-1.7X	11.8X-74X	22-3.4	92
(optional)	47X-296X	5.5-0.9	23.5X-148X	11.1-1.7	36