

Optical Measuring Machine

Features:

- High precision marble base and pillar, to ensure high stability and accuracy.
- High precision toothless rod and fast moving locking device, to ensure hysteresis errors within 2um.
- High accuracy A grade optical linear scale with precision working stage, to ensure the accuracy is within 3 +L/200um.
- High definitive detented zoom lens and high resolution color digital camera, to ensure a clear image without distortion.
- With programmable surface 4-ring 8-division LED Cold Illumination and contour LED parallel illumination and internal intelligent light adjustment, it can automatically control the brightness in the 4-ring 8-division.
- Powerful function iMeasuring2.1 measuring software highly enhances the quality control situation.
- Optional imported contact probe and 3D measuring software which can upgrade to 3D Measuring machine.
- Optional FexQMS Measuring Data Analysis and Real-time monitoring software which enhance program control and reduce material consumption.



Model	IMS-2010	IMS-2515	IMS-3020	IMS-4030	IMS-5040
Metal Table (mm)	408x308	408x308	458x358	608x470	708x470
Glass Table (mm)	306x198	306x198	356x248	456x348	556x348
X/Y-axis Travel (mm)	200x100	250x150	300x200	400x300	500x400
Z-axis Travel	High-precision linear guide , working travel 200mm				
X/Y/Z-axis Travel	0.0005mm				
X/Y-axis Accuracy	≤3+L/200(um)				
Hysteresis Error	2um				
Base and Pillar	High Accuracy Jinan Qing Marble				
Illumination System (Software Adjustment)	Surface: Stepless Adjustable 4-ring 8-division LED Cold Illumination				
	Contour: LED Parallel Illumination				
	LED Laser Navigation Lights				
CCD Camera	High Resolution 700TV Color CCD Camera				
Zoom lens	6.5X High Resolution Detented Zoom Lens				
	Magnification: 0.7X~4.5X; Video Magnification: 26X~172X				
Working Environment	Temperature: 20°C±2°C, change range < 2°C/hr				
	Humidity: 30% ~80%RH				
	Vibration<0.002g, <15Hz				
Measuring Software	iMeasuring 2.1				
Operation System	Support XP, WIN7, WIN8.1, WIN 10, 32/64 operating system				
Dimension (W*D*H) mm	790x617x1000	790x617x1000	838x667x1000	1002x817x1043	1104x867x1093
Net Weight	175Kg	175Kg	185Kg	350Kg	380Kg

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