



iVision Toolmakers Microscope



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Product Feature & Application

iVision Toolmakers Microscope has significant advantages and wide applications. Its Z-axis coarse and fine adjustment focusing is stable, the software automatically finds the edge and the operation is simple. The sub-pixel subdivision technology improves the image resolution, and the light source adjustment is convenient and accurate. The workbench made of aviation aluminum and cast iron has stable performance and is not easy to deform. This measuring instrument is widely used in many industries such as hardware, electronics, and molds. It can conduct precise detection of the size, shape, and position tolerance of workpieces, meeting the needs of part inspection, profile measurement, and process control.



Technical Specification

Model	iVision-2010	iViision-3020	iVision-4030
X*Y Motion Range(mm)	200*100	300*200	400*300
Z-axis Motion Range (mm)	150	150	150
External Dimensions(mm)	700*820*850	750×520×1180	950*650*1050
Net Weight(kg)	120	180	240
Workbench Load-bearing		30	
Capacity(kg)			
Image Sensor		Optional	
Metallographic Lens		Optional	
Accuracy(um)		X/Y:2.0+L/200μm	
Minimum Display unit(mm)		0.0001	
Light Source	Surface light:LED coaxial light source Bottom light source:LED parallel light source		
Software	Mikromea-M 2.5D Manual Measuring Software		
Working Environment	Temperature:22°C±2°C Humidity:30~80% Vibration:<0.002mm/s,<15Hz		
Power	220V/50Hz		



Packing List

Number	Name	Specification	QTY
1	Mainframe	Cast Iron Workbench	1pc
2	Data Box	Customized	1pc
3	Grating Scale	0.1um Metal-Patch Grating Scale	3pcs
4	Guide rail	HIWIN Linear Guide Rails from Taiwan	1pc
5	Transmission System	X and Y lead screws with fine adjustment	2pcs
6	Z-axis Transmission System	Z-axis adopts both coarse and fine adjustment	1pc
11	Instrument Operation Manual	Mikrosize	1 copy
12	Certificate of Conformity, Warranty Card	Mikrosize	Each 1copy