

## High Accuracy Manual Vision Measuring Machine iVision Series

Less Error  
Within 2um

High Accuracy  
 $\leq 3+L/200\text{mm}$ ;

High Resolution  
700TVL Color CCD

Measurement  
Software



### Product Characteristic:

- High precision Jinan Qing marble base and pillar, to ensure high stability and accuracy;
- High precision toothless rod and fast moving locking device, to ensure hysteresis error within 2um;
- High accuracy A grade optical linear scale with precision working stage, to ensure the accuracy is within  $3+L/200\mu\text{m}$ ;
- High definitive detented zoom lens and high resolution color digital camera, to ensure 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 automatic control the brightness in the 4-ring 8-division;
- Powerful function iMeasuring2.1 measuring software highly enhance the quality control situation;
- Optional imported contact probe and 3D measuring software which can update it to 3D Measuring machine;

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- Optional FlexQMS Measuring Data Analysis and Real-time monitoring software which enhance program control and reduce material consumption.

## Technical Specification :

Mode	iMS-2010	iMS-2515	iMS-3020	iMS-4030	iMS-5040
Code#	521-140	521-150	521-160	521-170	521-180
Metal Table	408x308mm	408x308mm	458x358mm	608x470mm	708x470mm
Glass Table	306x198mm	306x198mm	356x248mm	456x348mm	556x348mm
X/Y-axis Travel	200x100mm	250x150mm	300x200mm	400x300mm	500x400mm
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				
Language	English, Simplified Chinese, Traditional Chinese, other language versions can be added				
Dimension(W*D*H)	790x617x1000mm	790x617x1000mm	838x667x1000mm	1002x817x1043mm	1104x867x1093mm
Net Weight	175Kg	175Kg	185Kg	350Kg	380Kg

## Standard Delivery :

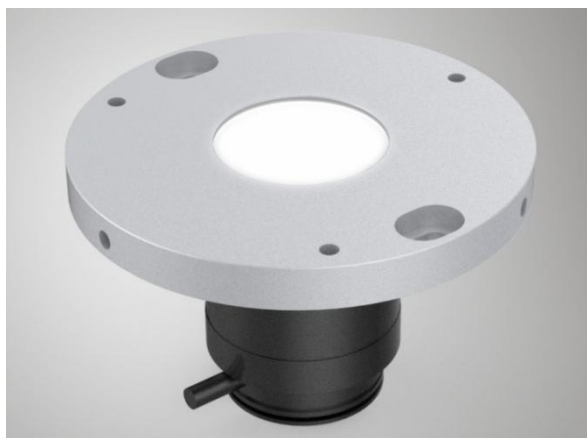
Product Name	Code#	Product Name	Code#
2.5D Measuring Software	IM2.1	Video Capture Card	527-130
Contour LED Parallel Illumination	425-100	DELL PC System	581-960
Surface 4R/8D LED Illumination	425-130	AV Video Cable	581-940
Laser Positioning System	581-330	RS232 Data Cable	581-930
Detented Zoom Lens	421-100	Optical Calibration Block	581-800
HD700TVL Color Camera	484-130	Operation Manual	/

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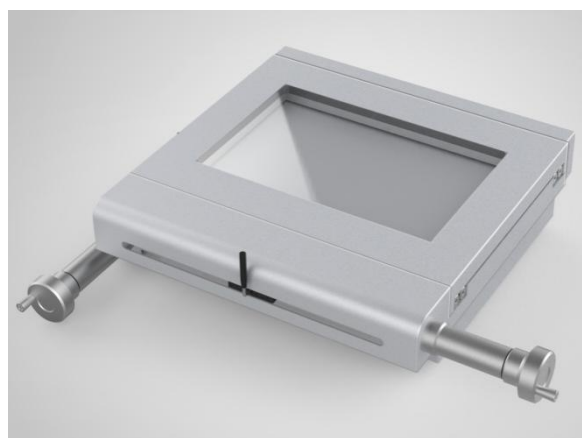
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### Optional Accessories :

Product Name	Code#	Product Name	Code#
Electronic Zoom Lens	421-140	Rotary Tables RT 2	581-520
12.5X Detented Zoom Lens	421-100	Rotary Tables RT 3	581-530
Coaxial Detented Zoom Lens	421-120	Working Cupboard ST 05	581-650
0.5X Auxiliary Objective	423-050	Swivel Center Support	581-850
2X Auxiliary Objective	423-200	Foot Switch	581-350



LED Illumination



Working Stage