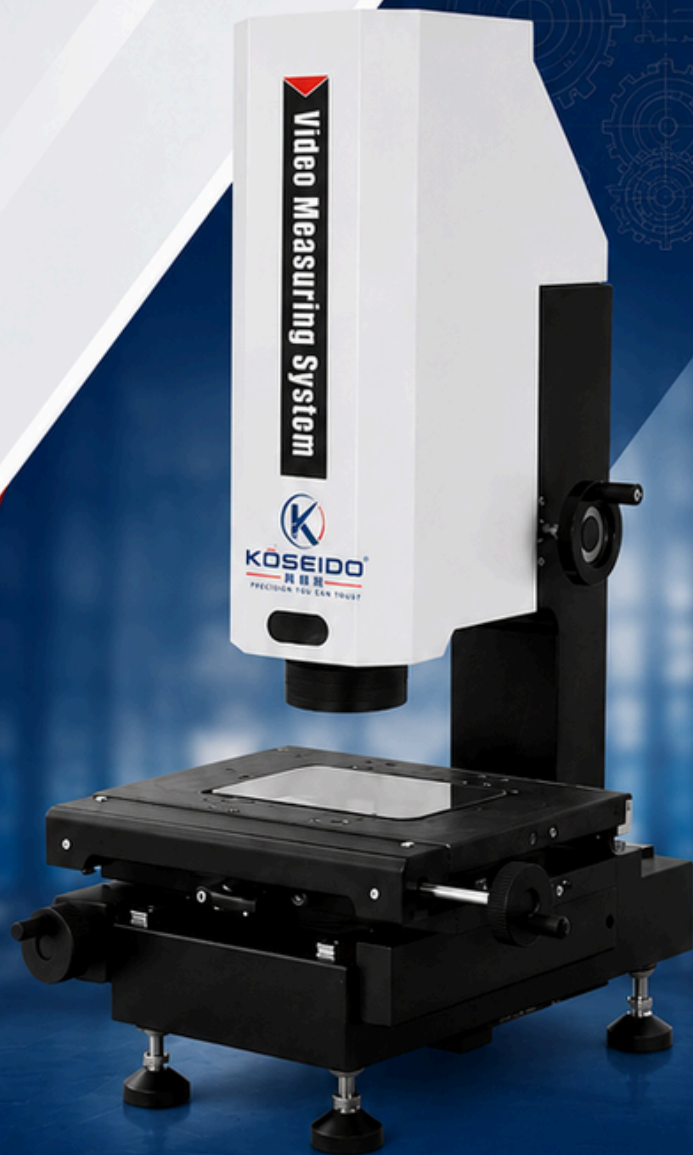


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Manual Video Measuring System

K-M3-VMS-2515



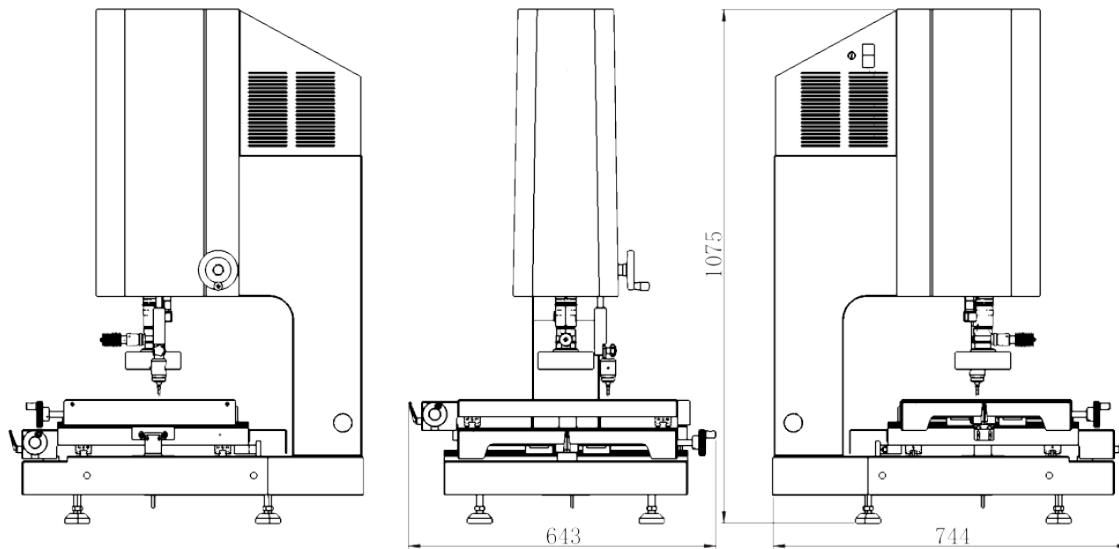
Product Characteristic:

- Adopt granite stone base and column to ensure the stability and precision of the machine;
- Adopt toothless polished rod and fast-moving locking device to ensure that the return error of the table is within 2um;
- Adopt high-precision instrument optical ruler and precision worktable to ensure the accuracy of the machine is within $\leq 3.0 + L/200\mu\text{m}$;
- Adopt zoom lens and high-resolution color digital camera to ensure clear picture quality without distortion;
- Using the program-controlled surface 4-ring 8-area LED cold illumination and Contour LED Parallel Illumination as well as a built-in intelligent light adjustment module, the area brightness of the light in the 4-ring 8-area can be freely controlled;
- iMeasuring Vision measurement software improves quality control to a new level;
- Optional contact probe and three-dimensional measurement software can be used to upgrade the machine to a contact three-dimensional measuring machine.
- It can be upgraded to install an autofocus function module to achieve accurate semi-automatic measurement.

Technical Specifications:

Commodity	Manual Video Measuring System K-VMS Series
Model	K-M3-VMS-2515
Marble Workbench	(505*350)mm
Glass Workbench	(356*248)mm
X/Y axis Travel	(300*200)mm
Z axis travel	High-precision linear guide, effective travel 200mm
X/Y/Z axes resolution	0.5um
Pedestal and Uprights	High Precision Granite
Measurement Accuracy*	XY axis: $\leq 3.0 + L/200(\mu m)$; Z axis : $\leq 5 + L/200(\mu m)$
Repeat Accuracy	2um
Illumination System (Software Adjustment)	Surface 4 rings and 8 zones infinitely adjustable LED cold Illumination
	Contour LED Parallel Illumination
	Optional Coaxial Light
Digital Camera	1/3"/1.3Mpixel High Resolution Digital Camera
Zoom Lens	6.5X High-Resolution Zoom lens;
	Optical Magnification: 0.7X~4.5X times; Video Magnification: 26X~172X(21.5" Monitor)
Measuring Software	iMeasuring
Operation System	Support WIN 10/11-32/64 Operating System
Language	English
Working Environment	Temperature 20°C±2°C, temperature change <1°C/Hr; Humidity 30%~80%RH; Vibration <0.02g's, ≤15Hz.
Power Supply	AC220V/50Hz; 110V/60Hz
Dimension(WxDxH)	(744*643*1075)mm
Gross/Net Weight	275/208Kg

Product Size



Product Configuration Model Description (Example with K-M3-VMS-2515)

Product Category	Manual Video Measuring System			Semi-auto Video Measuring System	
Sensor Configuration	2D	2.5D	3D	2.5D	3D
Commodity	2D Video Measuring System	2.5D Video Measuring System	3D Contact & Video Measuring System	2.5D Semiautomatic Video Measuring System	3D Semiautomatic Contact & Video Measuring System
Model	K-M2-VMS-2515	K-M3-VMS-2515A	K-M3-VMS-2515B	K-M4-VMS-2515C	K-M4-VMS-2515D
Type	-----	A	B	C	D
Significance	Optical Zoom-lens Sensor	Optical Zoom-lens Sensor	Zoom-lens Sensor and Contact Probe Sensor	Zoom-lens Sensor and Z-axis Autofocus Function	Zoom-lens Sensor, Contact Probe Sensor and Autofocus Function
Z-axis Auto-focus	Without	Without	Without	With	With
Contact Probe	Without	Without	With	Without	With
Software	iMeasuring2.0	iMeasuring2.1	iMeasuring3.1	iMeasuring2.2	iMeasuring3.2
Operation	Manual	Manual	Manual	Semi-auto	Semi-auto

The Measuring Space of K-M3-VMS Series of Manual Video Measuring System

Travel mm	Model	X Axis Travel mm	Y Axis Travel mm	Z Axis Standard Travel mm	Z-axis Maximum Customized Travel mm
150x100x100	K-M2-VMS-1510	150	100	100	-----
200x100x100	K-M2-VMS-2010	200	100	100	200
250x150x200	K-M3-VMS-2515	250	150	200	300
300x200x200	K-M3-VMS-2515	300	200	200	400
400x300x200	K-M3-VMS-4030	400	300	200	400
500x400x200	K-M3-VMS-5040	500	400	200	400



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