



KŌSEIDOTM

高精度

PRECISION YOU CAN TRUST

VIDEO MEASURING SYSTEMS

ADVANCED MEASUREMENT.
PERFECT RESULTS.



**HIGH
ACCURACY**

Advanced optics &
precision mechanics



**PRECISE
MEASUREMENT**

Consistent results
you can trust



**HIGH
EFFICIENCY**

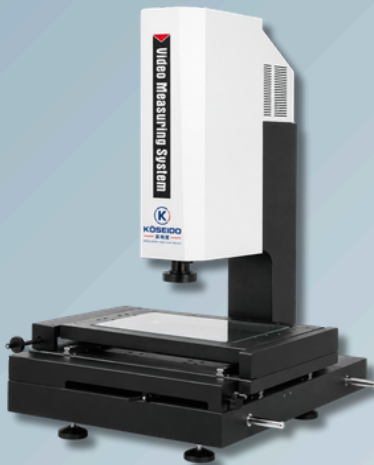
User-friendly operation
for faster inspection



**DURABLE &
RELIABLE**

Built for long-term
performance

OUR PREMIUM MEASURING SOLUTIONS



Manual Video Measuring System



Semi-Automatic
Video Measuring System



Fully Automatic
Video Measuring System

PRECISION MEETS PERFORMANCE

Koseido delivers world-class video measuring solutions designed for accuracy, efficiency and reliability across every industry.



ENGINEERED
FOR TODAY



PERFORMANCE
DRIVEN



QUALITY
FOCUSED



TRUSTED
WORLDWIDE



Video Measuring System

K-M2-VMS Series



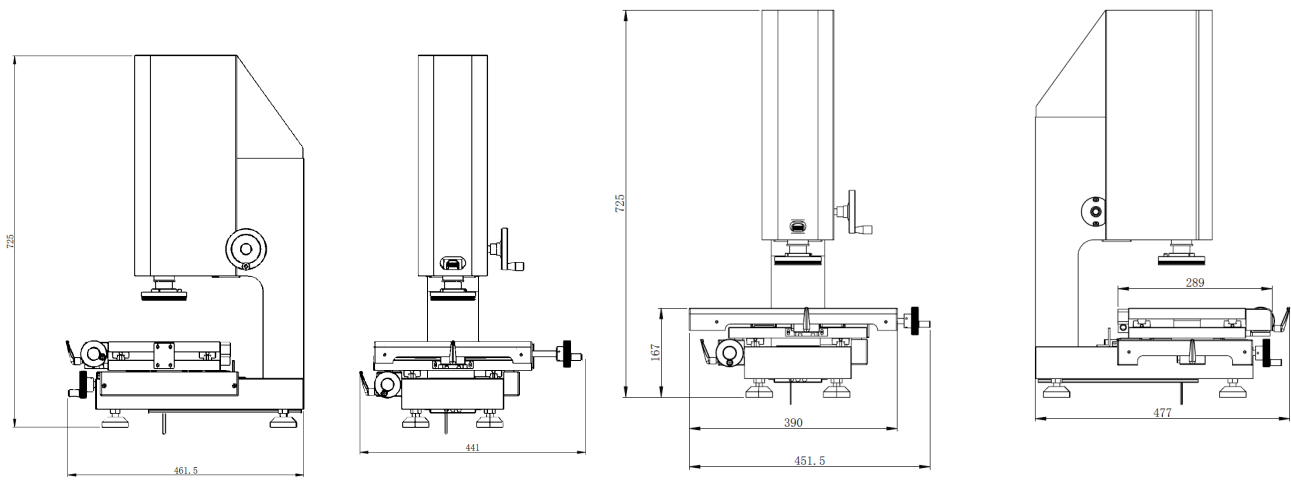
Product Characteristic:

- 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;
- Adopt program-controlled 3-ring single-zone LED cold surface light source and transmissive LED parallel light source, as well as built-in intelligent light adjustment module, can freely control the brightness of the light in the 3-ring single zone area;
- With iMeasuring Vision measurement software which improves quality control to a new level.

Technical Specifications :

Commodity	Manual Video Measuring System	
Model	K-M2-VMS-1510	K-M2-VMS-2010
Granite Workbench	(310*220)mm	(390*220)mm
Glass Workbench	(179.5*129.5)mm	(229.5*129.5)mm
X/Y axis travel	(150*100)mm	(200*100)mm
Z axis travel	Effective travel 100mm (Linear scale for Z axis is optional)	
X/Y Linear Scales	Resolution: 0.5um	
Base and Column	Precision Granite	
Measurement Accuracy*	E1x,y: 2.5+L/200; E1xy: 3+L/200	
Repeat Accuracy	2um	
Illumination System (Software-controlled)	3-ring single-zone LED cold surface light	
	Transmissive LED parallel light	
	Optional coaxial light	
Camera	1/2.9"/1.6Mpixel High Resolution Digital Camera	
Zoom Lens	6.5X High-Resolution Zoom lens	
	Optical Magnification: 0.7X~4.5X, Video Magnification: 26X~172X (21.5" Monitor)	
Measuring Software	iMeasuring	
Operation System	Support Win 10/11-32/64 Operating System	
Language	English	
Working Condition	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)	(462*441*725)mm	(477*452*725)mm
Gross/Net Weight	60/48Kg	65/50Kg

Product Size



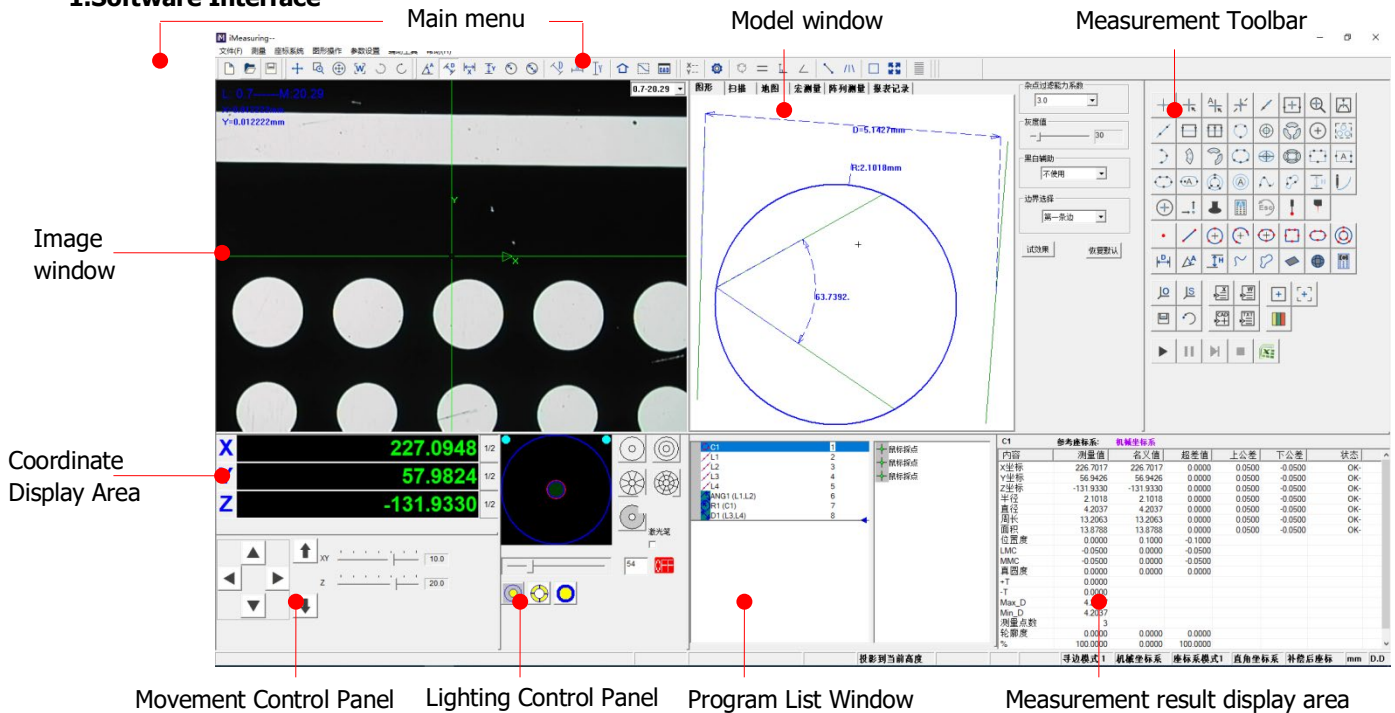
K-M2-VMS-1510

K-M2-VMS-2010

Software Introduction:

iMeasuring vision measurement software is a digital measurement software for geometric coordinate measurement based on Windows system. It supports image non-contact measurement, laser and confocal probe non-contact measurement and probe contact measurement. According to ISO, GPS, ASME geometric dimensions and tolerances Standard, digital measurement of linear and geometric dimensions such as shape, orientation, and position of part entities.

1. Software Interface



2. Geometric measurement:

- **[2D Elements]:** Point, Line, Circle, Arc, Curve, Keyway, Rectangle, Ellipse, Ring, Contour Scan.
Features: Lines, circles and arcs can be automatically identified and measured. For workpieces that need to find the highest point, extreme value measurement can be realized.
- **[3D Elements]:** Plane, Sphere, Cone, Cylinder, Groove.
Features: The operation interface is simple and easy to understand, covering common 3D elements. Realize the construction of points, lines, circles, arcs, ellipses, rectangles, grooves, rings, distances, angles, heights, open curves, closed curves, planes, cones, cylinders, and spheres.

3. Measurement Toolbar:

Realize point measurement, line measurement, circle measurement, arc measurement, ellipse measurement, rectangle measurement, groove measurement, ring measurement, curve measurement, contour measurement, height measurement, etc.



Provide a variety of measurement methods for different points Provide a variety of line and circle measurement methods



Provide various measurement methods of arc, ellipse and rectangle, provide various measurement methods of groove, ring and curve, as well as image height measurement and contour scanning functions

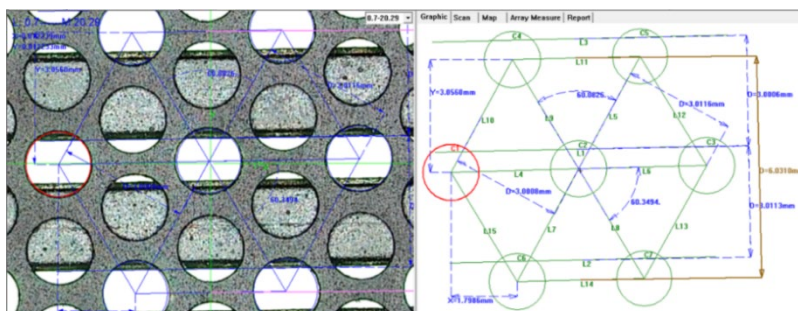


Provide machine through point settings to ensure safe operation of the machine

4. Construction toolbar



- Guided by element type, it provides a variety of element construction functions such as translation, rotation, extraction, combination, parallel, vertical, mirroring, symmetry, intersection, and tangent.
- Construct midpoints, intersections, lines, circles, arcs, ellipses, rectangles, grooves, O-rings, distances, angles, heights, open clouds, closed clouds, planes, calculation functions, and more.



Recommended computer configuration: OPTIONAL

The core of the Vision Measuring Machine is the control system and measurement software, and the computer system is the core carrier of all operations, requiring high stability and compatibility. Configure any high-performance desktop and an authorized operating system to solve your worries. For example:

Processor: Intel G6405 Processor

Memory: 8 GB DDR4 2666 MHz RAM

Storage: M.2 2280 NVMe 250 GB SSD

Graphics: Intel UHD Graphics

Expansion: PCIe Dual Network Port Card

Monitor: 21.5-inch Display

Operating System: Windows 10 (64-bit)

Power Supply: 100–240V Adaptive Power Supply



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