# KŌSEIDO™

高精度

PRECISION YOU CAN TRUST




# VIDEO MEASURING SYSTEMS

**ADVANCED MEASUREMENT.**
**PERFECT RESULTS.**

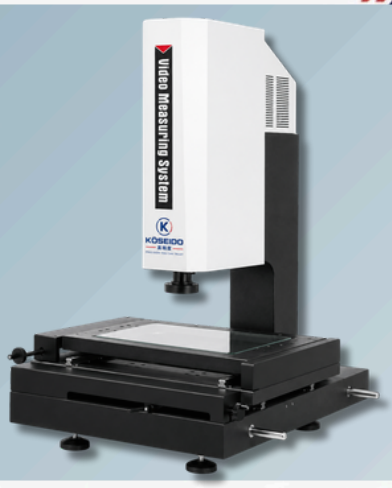
**HIGH ACCURACY**
Advanced optics & precision mechanics

**PRECISE MEASUREMENT**
Consistent results you can trust

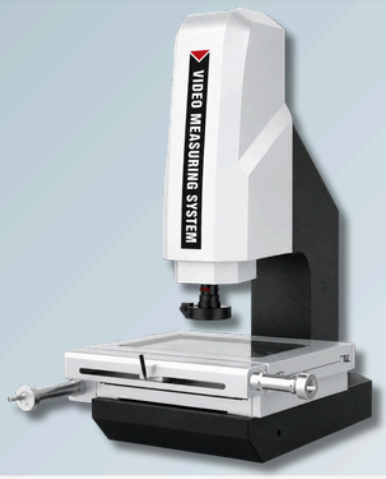
**HIGH EFFICIENCY**
User-friendly operation for faster inspection

**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



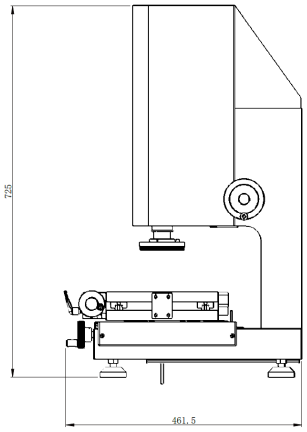

## Product Characteristic:

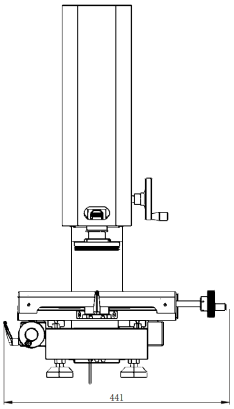
- Adopt granite stone base and column to ensure the stability and precision of the machine;
- Adopt toothless polished rod and fast-moving locking device to ensure that the return error of the table is
- within 2um;
- Adopt high-precision instrument optical ruler and precision worktable to ensure the accuracy of the machine
- is within ≤3.0+L/200um;
- 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 :

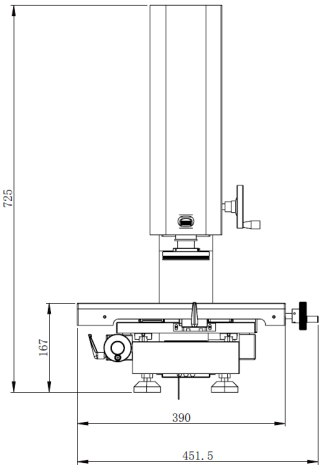
| Commodity | Manual Video Measuring System | |
|---|---|---|
| Model | K-M2-VMS-1510 | K-M2-VMS-2010 |
| Granite Workbench | (310*220)mm | (390*220)mm |
| Glass Workbench | (179.5*129.5)mm | (229.5*129.5)mm |
| X/Y axis travel | (150*100)mm | (200*100)mm |
| Z axis travel | Effective travel 100mm (Linear 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,<br>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 |

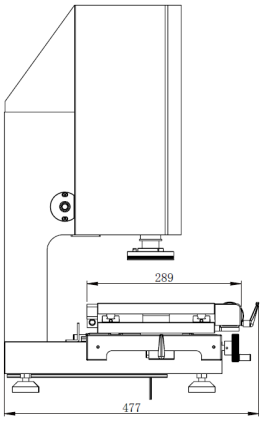
## Product Size




K-M2-VMS-1510



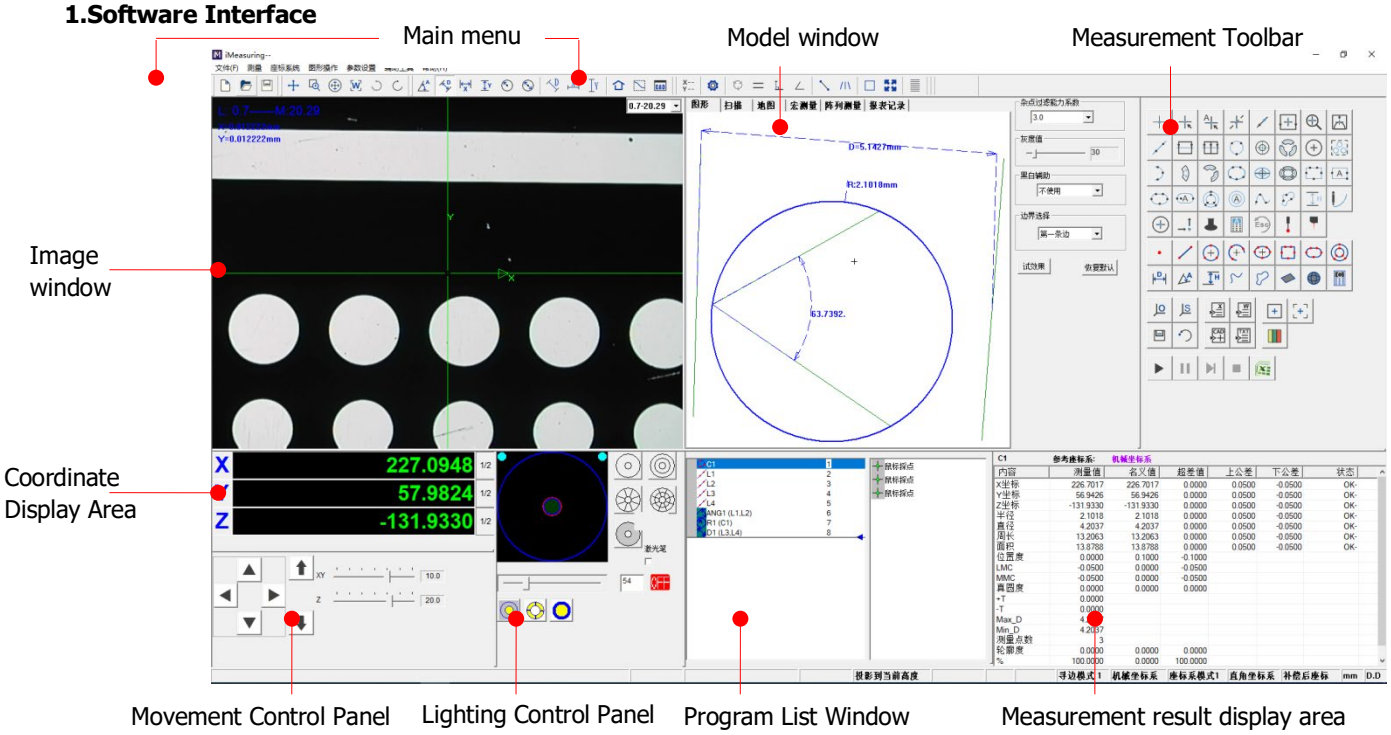




K-M2-VMS-2010

## 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

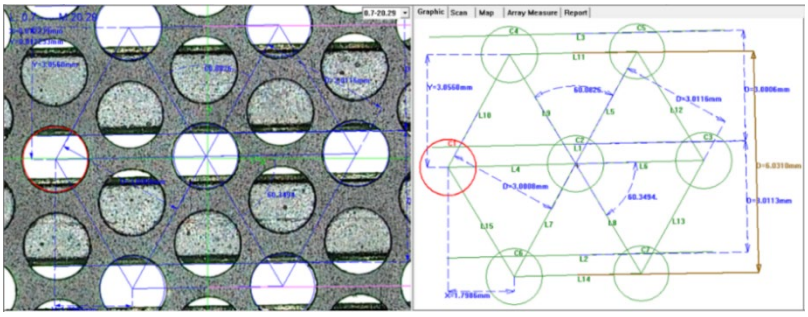


Provide machine through point settings to ensure safe operation of the machine

**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

For More Information

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