



# KOSEIDO<sup>TM</sup>

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**

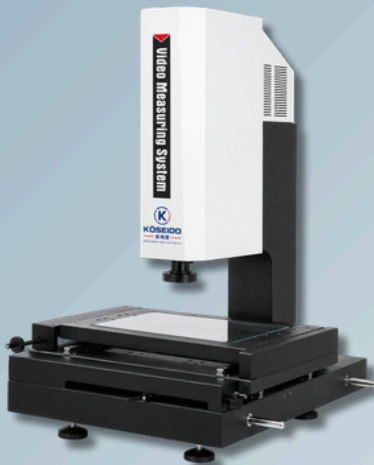
User-friendly operation  
for faster inspection



**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



## Manual Video Measuring System K-M3-VMS-2515



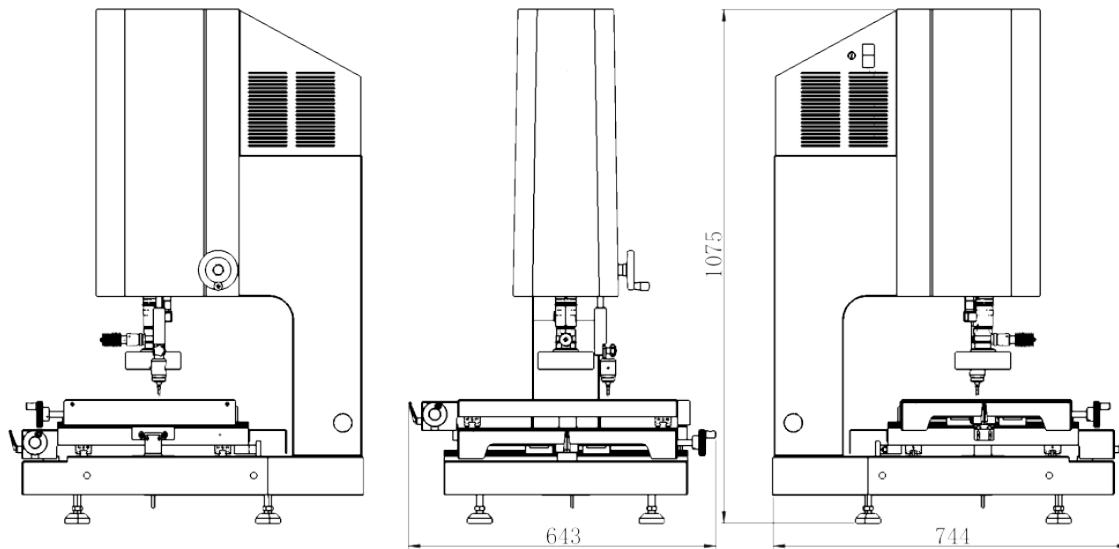
### Product Characteristic:

- 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<br>(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 | <b>2D</b>                     | <b>2.5D</b>                 | <b>3D</b>                                 | <b>2.5D</b>                                    | <b>3D</b>                                                     |
| 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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