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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**

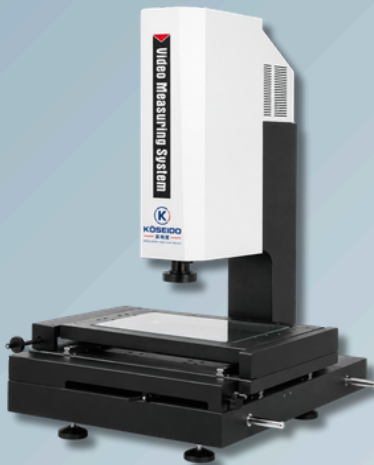
User-friendly operation
for faster inspection



**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



Semi-automatic Video Measuring System

K-M4-VMS Series



K-M4-VMS-2515/3020/4030/5040/6050

Product Characteristic:

- High-precision granite worktable/base/column and optical scale integrated with precision worktable for exceptional machine stability and accuracy;
- High-definition zoom lens and high-resolution color digital camera for distortion-free clear imaging;
- Programmable 4-ring 8-zone LED ring surface light source and parallel LED transmission light source with built-in intelligent light adjustment module for independent brightness control of each zone;
- Z-axis driven by AC servo motor module with software-analyzed auto focus for high-definition imaging and precise semi-automatic measurement;
- Powerful image measurement software for elevated quality control.

Technical Specifications :

Specifications	K-M4-VMS-2515	K-M4-VMS-3020	K-M4-VMS-4030	K-M4-VMS-5040	K-M4-VMS-6050
X/Y Axis Travel (mm)	250×150	300×200	400×300	500×400	600×500
Dimension (L×W×H) mm	744×643×1075	744×643×1075	908×776×1070	1108×876×1070	1420×1258×1730
Weight (Kg)	208	208	283	352	800
Measurement Accuracy E1 x,y (μm)	3.0+L/200	3.0+L/200	3.0+L/200	3.0+L/200	3.0+L/200
Measurement Accuracy E2 xy (μm)	4.0+L/200	4.0+L/200	4.0+L/200	4.0+L/200	4.0+L/200
Measurement Accuracy E1 z (μm)	5.0+L/200	5.0+L/200	5.0+L/200	5.0+L/200	5.0+L/200
Repeatability	±2μm	±2μm	±2μm	±2μm	±2μm

Parameter	Specification
Table Load Capacity	0~20Kg (Max: 40Kg)
Z Axis Travel (mm)	200mm (Customized 300/400mm)
X/Y/Z 3-Axis Grating Ruler	High-precision Glass Liner Scale, Resolution: 0.5μm
X/Y/Z Axis Operation Mode	X/Y Axes: Manual; Z Axis: Autofocus
Motion Control	420 Motion Controller – Linear Guide – 0.5μm Special Grating Ruler
Camera	1/3" High-resolution Digital Camera
Video System	Zoom745 Fixed Magnification Optical Lens (Optional Coaxial Light Lens Upgrade)
Optical Magnification	0.7X~4.5X, Video Magnification: 26X~169X (21.5" Display)
Surface Illumination	4-Ring 8-Zone LED Ring Surface Light, 0~255 Level Stepless Adjustable
Contour Illumination	Telecentric Parallel LED Contour Bottom Light, 0~255 Level Stepless Adjustable

Coaxial Illumination	Optional High-brightness LED Coaxial Surface Light, 0~255 Level Stepless Adjustable
Measuring Software	Manual Vision Measurement Software
Working Environment	Temperature: 20°C; Temperature Change: <1°C/hr; Humidity: 30%~80% RH; Vibration: <0.02g, ≤15Hz
Power Supply	220V/50Hz; 110V/60Hz

● Measurement Accuracy Explanation:

L: Measured length

The above accuracy is verified with standard gauge blocks or standard line scales as measurement objects.

In practical applications, the Z-axis focusing accuracy largely depends on the roughness and reflective characteristics of the workpiece surface.

● Magnification Explanation:

The indicated magnification is for reference only. The actual observation effect varies with the final selected display size and resolution. Auxiliary objective lenses or APO attachment lenses can be optionally configured to meet specific measurement requirements.

Optional Sensors

● 2D Optical Lens Options

Electronic Feedback | Lens Zoom745EF Fixed Magnification

Coaxial Light | Lens Zoom745C

● 3D Contact Probe Options

Imported Contact Probe | MCP Contact Probe | KSIG-A-5000



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