

## Video Measuring Machine

The video measuring machine has been mainly designed for the performing of 2D measurements, also valid for some specific 3D measurements of a wide variety of materials and specimen shapes.

Highly recommended for the **measurement of charpy specimen notch** dimensions. The equipment features fulfill requirements of ASTM E23, EN-ISO 148-1, EN-ISO 148-2 "Standard Test Methods for Notched Bar Impact Testing of Metallic Materials".

### Features

- › **High precision** and efficiency.
- › Excellent **reliability**
- › **Foot-switch is matched with measuring software**, which makes operation easier.
- › **Detection** of the measured specimen specific location by laser indicator
- › **Manual Focusing**: Better image quality can be obtained by manual focusing.
- › **Coordinate System**: It helps establish coordinate for both the machine and the specimen.
- › **Annotation function**: Angle, distance, X direction, Y direction, radius, diameter, etc. can be directly marked in the drawing area.
- › **Report function**: Measured data can be exported to Excel, word, etc.
- › **Graphics function**: Display function (zooming, translation, window display, local zooming, full screen for an easy and intuitive operation).
- › **Deviation Compensation**: The system has error compensation and Camera Center Compensation as well.

### Specifications

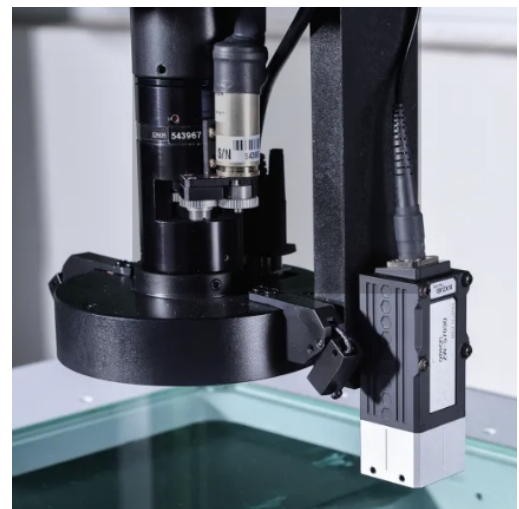
- › Resolution: 0.5  $\mu\text{m}$
- › X,Y-axis indication error:  $(2.5+L/100) \mu\text{m}$  (L= Length, mm)
- › Video Magnification: 27.4~351.3X
- › Zoom lens magnification: 0.58X~7.5X
- › Object view: 1.4 - 14 mm
- › Travel (mm): 200×100
- › Z-axis travel (mm): 150
- › Metal table size (mm): 404×228
- › Color gigabit web camera
- › Object view: 14mm~1.4mm
- › Surface adjustable LED lighting and transmission lighting.

### Elements included

- › Personal computer and monitor
- › Measuring Software



Equipment installed on a work desktop



Close view of the system