

## Bridge CNC Video Measuring Machine HST Series

### Application:

HST series is the bridge type CNC Video Measuring System developed by HST Group. It adopts original Japan imported screw drive and servo control technology. Combined with auto measurement software developed by HST Group, it can achieve efficient and accurate measurement of large volume work piece, popular for precision parts inspection and quality control. It has been widely used in machinery, electronics, hardware, plastics, mould and etc.

### Technical parameter:

| Model                 | HST-6040H              | HST-6050H     | HST-8060H      |
|-----------------------|------------------------|---------------|----------------|
| Glass Size (mm)       | 650*450                | 650*550       | 850*650        |
| Stroke(mm)            | 400*600*150            | 500*600*150   | 800*600*150    |
| Machine Dimension(mm) | 950*1600*1580          | 950*1800*1580 | 1200*2000*1580 |
| Weight(kg)            | 1150                   | 1350          | 1550           |
| Scale Resolution      | 1/0.5 $\mu$ m          |               |                |
| Camera                | TEO™ 1 / 2 "CCD Camera |               |                |

|                            |                                                                             |
|----------------------------|-----------------------------------------------------------------------------|
| <b>Zoom Lens</b>           | Manual Optical Zoom Lens, Magnification: 0.7-4.5X                           |
| <b>Video Magnification</b> | 20-128X                                                                     |
| <b>FOV</b>                 | 11.1-117 mm                                                                 |
| <b>Accuracy E1*</b>        | $E_x, y \leq (3.0+L/200)\mu\text{m}$                                        |
| <b>Accuracy E2*</b>        | $E_{xy} \leq (4.0+L/200)\mu\text{m}$                                        |
| <b>Illumination</b>        | Surface light and transmitted Light adopts white LED, brightness adjustable |
| <b>Power</b>               | 110V/220V AC 50/60Hz, Power consumption: 1000W                              |

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