

## AUTOMATIC MEASURING TAPE CALIBRATION SYSTEM CODE ISC-T5001



- The calibration system uses digital image recognition technology to process the data, high accuracy, fast measuring speed, high measuring efficiency
- Intelligent detection, to avoid human error in measurement
- DC motor controls the weights for automatic loading and unloading, low noise and low jitter
- Aluminum frame, easy to install, beautiful shape, good horizontality, can be customized lengths according to customers demand
- The clamping device can be fine-tuned in the X-axis direction for fast and accurate zeroing, adjustment of the surface of the holding device is made with an articulated ball head, which improves contact and avoids side sliding of the tape measure
- 6 high-definition industrial cameras, any position can be measured as required, a key to automatic identification, automatic calculation
- Measuring system allows batch entry of calibration tape measure information, automatically read the scale of the tape after selecting the line pattern, automatically calculate the error, store the measurement data, and automatically generate the original records and reports
- Fiber tapes, measuring ropes, etc. can also be calibrated

### SPECIFICATION

|                                                                                             |               |                                                                     |
|---------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------|
| Measuring range                                                                             |               | 5m <sup>*</sup> ; can be inspected up to (1~100)m in other sections |
| Standard steel tape measure accuracy                                                        |               | $\pm(0.03\text{mm}+3\times 10^{-5}\text{L})$                        |
| Straightness of the bench calibration surface                                               |               | $\leq 0.1\text{mm/m}$                                               |
| Friction between the surface of the calibration bench and the calibrated steel tape measure |               | $\leq 4\text{N}$                                                    |
| Reading microscope                                                                          | resolution    | 0.01mm                                                              |
|                                                                                             | magnification | 20X                                                                 |
|                                                                                             | view filed    | 6mm                                                                 |

<sup>\*</sup> Customized lengths for test benches (5m~50m)

### STANDARD DELIVERY

|                                   |       |
|-----------------------------------|-------|
| Main unit                         | 1 pc  |
| 5m standard steel tape            | 1 pc  |
| High definition industrial camera | 6 pcs |
| 5kg weight (8914-5KGM1)           | 2 pcs |
| Tape clip                         | 2 pcs |
| Software                          | 1 set |
| Computer                          | 1 set |
| Printer                           | 1 set |
| Zero point site                   | 2 pcs |
| 50mm standard glass scale         | 1 pc  |