



- Automatic edge-detection, focus, measuring, contour scanning, calibration, etc.
- Double close-loop motion control, with precise positioning performance in high-speed movement
- Granite body, more stable
- Servo motors for X, Y, Z axis
- SPC function for large quantity measurement

SPECIFICATION

| Code | ISD-R320 | ISD-R430 | ISD-R540 |
|------------------------------|--|-----------------------------------|-----------------|
| Measuring range (X×Y×Z) | 300×200×150mm | 400×300×150mm | 500×400×150mm |
| Stage size | 500×330mm | 606×466mm | 706×566mm |
| Glass stage size | 350×280mm | 450×350mm | 550×450mm |
| Resolution of X/Y/Z axis | 0.5μm | | |
| Accuracy of X/Y axis | ≤(3+L/200)μm (L is the measuring length in mm) | | |
| Repeatability of X/Y axis | 2μm | | |
| Objective | 0.7X~4.5X (zoom) | | |
| Working distance | 55mm | | |
| View field (diagonal length) | 1.3~7.6mm | | |
| Magnification | 29X~143X (on 21.5" monitor) | | |
| Camera | 1/3" color CCD, 0.3M pixel | | |
| Illumination | contour | programmable segmented ring light | |
| | surface | adjustable LED light | |
| Max. height of workpiece | 150mm | | |
| Max. weight of workpiece | 20kg | | |
| Operation system | Windows 10/11 | | |
| Drive method | automatic | | |
| Power supply | 220V, 50/60Hz | | |
| Dimension (L×W×H) | 720×770×1780mm | 700×1000×1780mm | 800×1040×1780mm |
| Weight | 270kg | 325kg | 500kg |

STANDARD DELIVERY

| | |
|-------------------------|------|
| Main unit | 1 pc |
| Software | 1 pc |
| Dongle | 1 pc |
| Controller | 1 pc |
| Computer | 1 pc |
| Calibration glass chart | 1 pc |
| Clay | 1 pc |
| Anti-dust cover | 1 pc |



programmable segmented ring light (included)

OPTIONAL ACCESSORY

| | |
|---|--|
| 0.5X auxiliary objective | code: ISD-Y-OB05X working distance: 175mm magnification: 14.5~71.5X (on 21.5" monitor) |
| 2X auxiliary objective | code: ISD-Y-OB2X working distance: 36mm magnification: 58~286X (on 21.5" monitor) |
| Probe | code: ISD-Y-PROBE includes Ø2mm and Ø3mm styli, Ø25mm calibration ball |
| Vision measuring system with coaxial light lens | code: ISD-R320L, ISD-R430L, ISD-R530L |
| Office software | code: 7313-OFFICE |



probe (optional), includes Ø2mm and Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10µm



lens with coaxial light (optional)

SOFTWARE (INCLUDED)

real-time image

light controller

measuring graphic

X/Y/Z axis

measuring results

measuring tools

measuring objects

OK