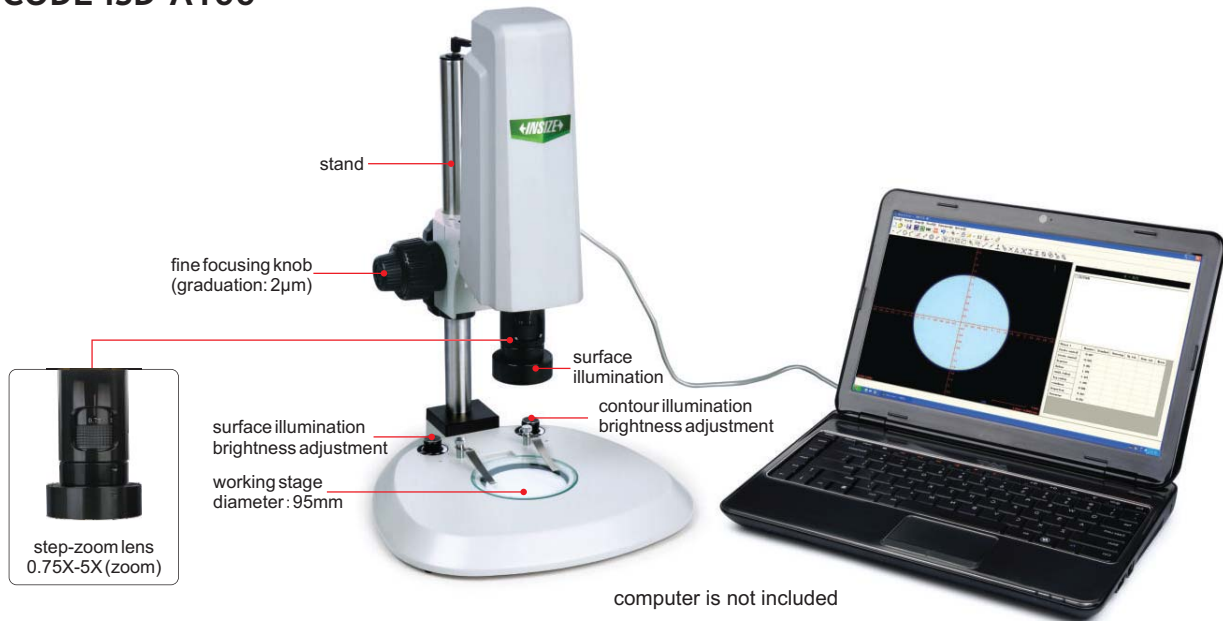


VIDEO MEASURING MICROSCOPE

CODE ISD-A100*



- Measures small workpiece (less than 15mm) easily and accurately



calibration block
(standard)



X-Y stage(standard)

SPECIFICATION

| | | |
|--|---|--------------|
| Objective | 0.75X - 5X (zoom) | |
| Auxiliary objective | 1X | 0.5X |
| Focus distance | 82mm | 175mm |
| View field (diagonal length) | 1.15mm - 7.5mm | 2.3mm - 15mm |
| Magnification (19" widescreen display) | 44X - 280X | 22X - 140X |
| Camera | CMOS (color) | |
| Resolution (pixel) | 1280*1024 (1.3M) | |
| Output | USB2. 0 | |
| Accuracy | 4µm | |
| Repeatability | 2µm | |
| Illumination | surface: adjustable ring LED contour: adjustable LED | |
| Demension (W×D×H) | 300×350×450mm | |
| Weight | 2.8kg | |

STANDARD DELIVERY

| | |
|-----------------------------|-----|
| Main unit | 1pc |
| Software disc | 1pc |
| X-Y stage (travel: 74×60mm) | 1pc |
| Calibration block | 1pc |
| 0.5X auxiliary objective | 1pc |

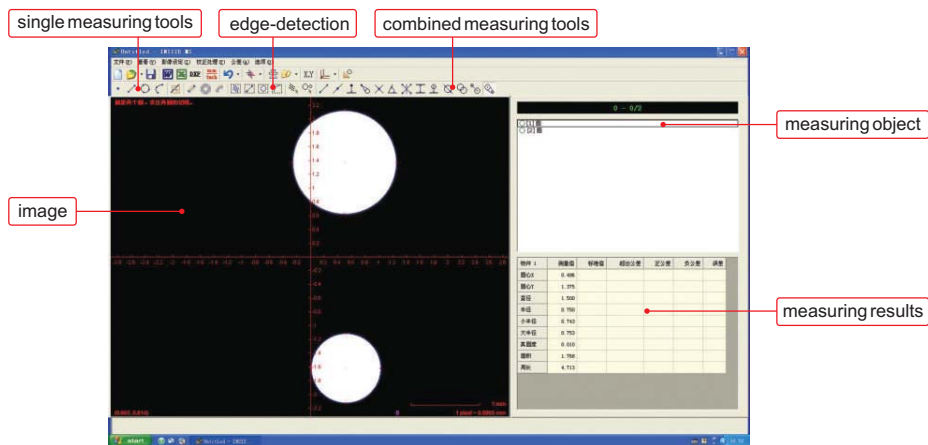
| | |
|---------------------------|-----|
| 1X auxiliary objective | 1pc |
| Ø95mm glass plate | 1pc |
| Ø95mm white / black plate | 1pc |
| Anti-dust cover | 1pc |

* Add suffix on code No. to devote AC voltage and plug



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SOFTWARE FOR VIDEO MEASURING MICROSCOPE



- **Operation system:** Windows 7/XP
- **Output to CAD, EXCEL and WORD**
- **Input CAD, to compare with workpieces**



Coordinate transform

- **Focus indicator:**



fast and accurately find the focus distance, eliminate the visual error

- **Single measuring tools:**



measure coordinate of point



measure length of line



measure center coordinate, radius, diameter and area of circle



measure length and diameter of arc

- **Combined measuring tools:**



measure distance between two points



find midpoint of a line



measure distance from point to line



find tangent lines between point and circle



measure intersection point between two lines



measure angle between two lines



find angular bisector between two lines



measure distance between two lines



measure distance from circle to line



find intersection points between circle and line



find intersection points between two circles



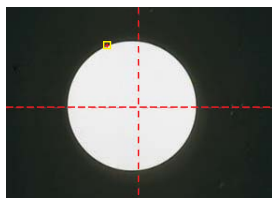
measure distance between two circles



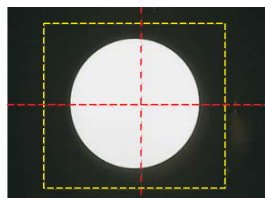
find tangent lines between two circles

- **Edge-detection:**

Point tool



Box tool



Circle tool

