DIGITAL MEASURING MICROSCOPES

VIDEO

- stand
- measurement
- take picture
- illumination adjustment
- focus adjustment
- magnification adjustment
- white/black plate

focus support (included)

put the digital microscope directly on the workpiece for inspection and measurement
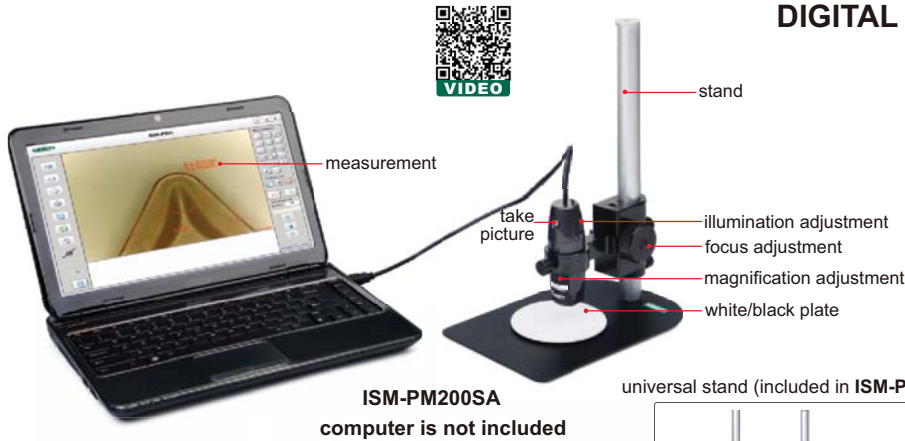
ISM-PM200SA
computer is not included

universal stand (included in **ISM-PM200SB**)

OPTIONAL ACCESSORY

Green filter	ISM-PM-GREEN
Yellow filter	ISM-PM-YELLOW
Blue filter	ISM-PM-BLUE

software CD (included)

filter (**optional**)
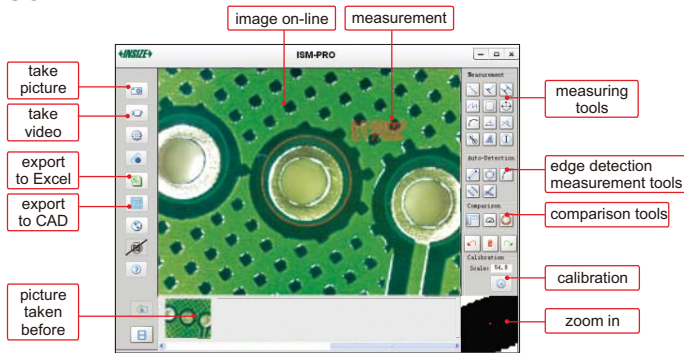
- Can take pictures and videos
- Supplied with software

SPECIFICATION

Code	ISM-PM200SA	ISM-PM200SB	ISM-PM600SA	ISM-PM160LA
Magnification	10X~200X	10X~200X	450X~600X	35X~160X
Focus distance	short focus distance	short focus distance	short focus distance	long focus distance
Stand	standard	universal	standard	standard
Focus support	included	included	not included	not included
Calibration rule	graduation 0.1 and 1mm	graduation 0.1 and 1mm	graduation 0.1mm	graduation 0.1 and 1mm
Pixel	1.3M (resolution: 1280×1024)	2M (resolution: 1600×1200)		
Ilumination	built-in adjustable LED			
Power supply	USB 2.0 cable (voltage required: 5±0.1V)			

MAGNIFICATION, FOCUS DISTANCE, VIEW FIELD AND ACCURACY

ISM-PM200SA/ISM-PM200SB				ISM-PM600SA				ISM-PM160LA			
Magnification	Focus distance	View field (mm)	Accuracy	Magnification	Focus distance	View field (mm)	Accuracy	Magnification	Focus distance	View field (mm)	Accuracy
50X	21mm	8.1×6.4	30µm	450X	1.4mm	0.85×0.67	6µm	50X	62mm	8.1×6.4	30µm
100X	13mm	3.9×3.1	15µm	500X	5.5mm	0.76×0.61	6µm	100X	45mm	3.9×3.1	15µm
150X	16mm	2.6×2.1	10µm	550X	8.6mm	0.69×0.55	5µm	160X	50mm	2.4×1.9	10µm
200X	19mm	1.8×1.5	8µm	600X	11.5mm	0.63×0.51	5µm				

SOFTWARE

- image on-line
- measurement
- take picture
- take video
- export to Excel
- export to CAD
- picture taken before
- measuring tools
- edge detection measurement tools
- comparison tools
- calibration
- zoom in

- **Language**: English, Japanese, Korean, German, Turkey, Portuguese, Chinese
- **Operation system**: Windows 7/8/XP/Vista
- **Measuring tools:**

  - measure length of line or distance between two points
  - measure distance between point and line
  - measure area of rectangle
  - measure length of continuous line
  - measure radius, length and angle of arc
  - measure angle with three points
  - measure distance between two parallel lines
  - measure radius, girth and area of circle
  - measure angle with two lines
  - add number with circle
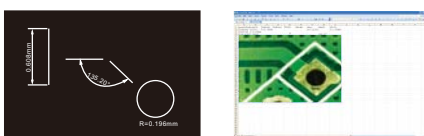 - measure distance between two circles
  - add text

- **Edge detection measurement tools:**
  - detect two parallel lines automatically and calculate distance
  - detect two lines automatically, and calculate angle
  - detect circle automatically, and calculate radius, girth and area
  - detect line automatically, and calculate length
  - detect arc automatically, and calculate radius, angle and arc length

- **Comparison tools:**
  Create line, angle or circle with desired size, to compare with workpieces
  - create line
  - create angle
  - create circle with tolerance

- **Data export to CAD or Excel:**