



TOOLMAKER'S MICROSCOPE

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TOOLMAKER'S MICROSCOPE (Model 20310)

It is an ideal measuring instrument for simplifying inspection and precision measurement of diameter, forming tools, gauges as well as template checking of thread and angles.

STANDARD SPECIFICATIONS:

Total Magnification : 30x

Objective : 2x

Eyepiece : 15x

: 65mm

Field of view : 6mm

Observation Tube: Monocular inclined at 30° stand. Large and heavy base provides extra overall rigidity to the instruments.

Measuring Stage: 150mm x 150mm assembled on ball bearing guides to provide accurate and smooth travel up to 50mm in each direction with the use of guage blocks having micro-head standard 0-25mm, least count .01mm.

Rotary Stage: Circular stage is fitted on measuring stage, graduated in to 360° with vernier and lock.

Eyepiece Protactor: Graduated in 360° with adjustable vernier reading to 6 Min. is coupled with monocular ocular tube for smooth angle measurement.

Illumination:

- (i) Sub-stage lamp provides transmitted light from a bottom source providing collimated green filter Halogen light.
- (ii) Oblique illuminator with adjustable inclination for surface illumination of sample with relief structure, is also provided. Three separate knobs for different illumination is provided. Three separate knobs for different illumination os provided with variable light control on the front panel.



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TOOLMAKER'S MICROSCOPE (Model 20311)

It is an ideal measuring instrument for simplifying inspection and precision measurement of diameter, forming tools, gauges as well as template checking of thread and angles. Specially recommended for technical institutions.

STANDARD SPECIFICATIONS:

Eyepiece	: WF10x (with cross) H10x (with Micrometer) & H15x
Objective	: 1x - 3x - 5x
Field of view	: 10mm - 3.5mm - 2mm
Magnifications	: 10x - 15x - 30x - 45x - 50x and 75x

Observation Tube: Monocular inclined at 45° fitted with Gonio-metric head graduated 360°.

Measuring Stage: 125mm x 125mm with interchangeable intermediate table to receive different optional accessories. Equipped with micrometer head 0-25mm reading 0.01mm, lifelong smooth movement is assured by the incorporation of hard steel rolling ball both in longitudinal and transverse slides. Rotary Measuring stage dia 130mm is mounted on the table with 55mm glass aperture, circular graduated scale is divided into 360° with both side vernier reading 5 minutes.

Illumination :

(i) Sub-stage lamp provides transmitted light from a bottom source providing collimated green filtered Halogen light for viewing contours and transparent objects.

(iii) Surface incident illuminator for high power examination of opaque objects.



IEICOS Focus Tool Maker Microscope Model : TM-3



IEICOS Focus Tool Maker Microscope Model : TM-3 With X-Y
Movement on ball bearing slides.
Having Micrometer (50 mm dia)
L.C. 0.01 Or 0.005 MM with Goniometer, fixed magnification 30x,
having both transmitted and incident light in wo

Optional accessories

- A. Depth measuring attachment
- B. Centre holding device attachment
- C. V-Block
- D. V-Support
- E. Measuring Eye pieces with reticules (each)

Mechanical measuring microscope/Tool maker's microscope

- Magnification up to 100x or more
- X-Y Measuring stage: 150 mm x 150 mm
- X-Y Stage travel range: 50 mm x 50 mm
- Least count: 0.01 mm
- Digital Micrometer for digital readout
- Optional Magnifications (if any): 5x, 10x, 20x, 30x, 50x, and 75x



INDUSTRIAL ENGINEERING INSTRUMENTS

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