

## MM 100 Series Microscope





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MM 100 series inverted metallurgical microscopes are designed for observation the structure of metals, metal alloys and minerals in research institutes and industrial laboratories. The sample is lit from the bottom, through the objective. MM 100 series microscopes can be outfitted with digital image acquisition system. The technologically advanced application provided with the camera lets the user adjust the image parameters to best visualize the analyzed specimen on the computer screen. Apart from archiving the captured images, the software has an additional function of applying a wide range of measurements on them. Optional image acquisition, archiving and analysis software can have additional functions added based on the user's individual research needs.

### Technical parameters\*

<b>Viewing head</b>	Trinocular. Adjustable interpupillary distance: 48-75mm, dioptric correction: +/- 5 diopters. Eyepiece inclination: 30°. Optional: viewing head with adjustable eyepiece inclination
<b>Eyepieces</b>	Wide field PL10X20mm
<b>Optical system</b>	Infinity-corrected optical system
<b>Revolving nosepiece</b>	Quintuple
<b>Objectives</b>	Plan achromatic, infinity-corrected, adjusted for work in reflected light. 4X/0.1, 10X/0.25, 20X/0.40, 40X/0.60; optional: 80X/0.90
<b>Focus adjustment</b>	Coaxial, high-precision coarse and fine focusing knobs. Precision: coarse focusing - 37,7 mm/360°; fine focusing - 0,2 mm/360°
<b>Stage</b>	Mechanical stage. Dimensions: 160 x 250 mm. Movement range: 30 x 30 mm
<b>Illumination</b>	Bright, adjustable 6V/30W or 12V/50W halogen light system
<b>Image acquisition</b>	Trinocular viewing head, adapted for camera installation

\* Due to constant technological progress, the parameters provided above are purely informational in nature, depict an example configuration and are liable to change