

INVERTED METALLURGICAL MICROSCOPE - TORONMM™ -6A



The ToronMM™-6A Inverted Metallurgical Microscope is a modern and cost-effective solution designed for surface analysis, crystallographic studies, and material evaluation.

As part of our line of affordable metallurgical microscopes, it offers a powerful combination of performance, usability, and imaging flexibility. Making it ideal for research labs, production facilities, and academic institutions.

Equipped with a polarized light set for enhanced contrast and structure visibility, this metallurgical analysis microscope features a binocular head with a dedicated photo port for seamless digital imaging.

The rotatable quadruple nosepiece, Plan LWD objectives, widefield eyepieces, and integrated measuring eyepiece provide crisp, detailed visuals for a range of observation needs. Its large mechanical stage with coaxial X/Y controls, smooth coarse/fine focusing system, and halogen illumination ensure precise sample handling and optimal viewing conditions.

APPLICATIONS

The ToronMM-6A is built to support a wide range of material-focused applications, including:

1. Crystallographic analysis using polarized light for phase differentiation and structural clarity
2. Surface measurement and inspection of coatings, treatments, and metallic layers
3. Failure analysis and evaluation of heat-affected zones in welds and industrial parts
4. Microstructure observation of metals and alloys in research and QA settings
5. Dimensional evaluation and documentation with optional camera adapters and video eyepieces
6. Educational and training environments requiring reliable, affordable metallurgical microscopes with advanced optical capabilities

Whether in a metallurgical lab, industrial inspection room, or research facility, the ToronMM-6A metallurgical analysis microscope offers the clarity, stability, and adaptability required for accurate results and efficient workflows.

FEATURES

Inverted Metallurgical Microscope - ToronMM™-6A Features

1. Binocular head with separate photo tube for photography & video
2. Rotatable precision engineered quadruple (4) nosepiece
3. Plan LWD objective set 10X/0.25, 20X/0.40, 40X/0.65, 100X/1.25
4. Widefield WF10X/18 eyepieces (2)
5. Widefield WF12X/14 eyepieces (2)
6. Widefield WF10X/14 measuring eyepiece
7. Large mechanical stage (7 x 6 inch) with co-axial controls for X and Y
8. Co-axial coarse and fine focus control
9. Halogen 6V20W illumination with field diaphragm and brightness control
10. Polarising filters included
11. ACCESSORIES: reflex 35mm camera adapter, video eyepiece



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