

Upright Metallurgical Microscope

JBM-M20



The Portable Metallurgical Microscope is a compact powerhouse for professional material analysis, designed to bring the laboratory's capabilities directly to your sample.

It combines precision engineering with exceptional portability, offering sharp, high-resolution imaging in any environment.

Each unit is presented as a complete workstation, meticulously packed in a robust silver aluminum carrying case, ensuring it arrives ready for immediate, reliable use wherever your work takes you.



Application

METALLURGY

Examining grain boundaries • Phases • Heat treatment effects • Heat treatment effects

QUALITY CONTROL (QC) & FAILURE ANALYSIS

Inspecting for cracks • Porosity • Surface defects • Coating thickness on manufactured parts

ELECTRONICS MANUFACTURING

Soldering inspection (PCBA) • Component verification • Defect analysis on circuit boards

PRECISION ENGINEERING

Measuring tool wear • Inspecting small machined parts • Analyzing material structures

Eyepiece	WF10X/18mm
Plane metallographic objective	4X/0.25, W.D.= 10mm 40X/0.60 W.D.= 0.5mm
Focusing	Coaxial coarse and fine focusing, coarse stroke: 23mm, fine stroke: 1.5mm
Illumination	Built-in LED light, brightness adjustable
Battery working time	Around 40 hours
Battery charging time	3 hours (Don't more than 8 hours)
Stand	Magnetic stand
Power supply	220V 50Hz-60Hz

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