

iMetal-100/400

Portable Metallographic Microscope



Video



Contact us

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Feature and Application

Product Feature

- With built-in vertical lighting source, coaxial LED lighting, adjustable brightness, can work continuously for 48 hours;
- Magnetic two-dimensional moving and self-rotating 360° workbench, convenient for on-site sampling;
- It can be used with camera and metallographic analysis software;
- With coarse and fine focusing hand wheel, more precise focusing;
- Light weight, easy to carry and use.

Product Application

- Used for casting quality appraisal, raw material inspection, research and analysis of metallographic structure after material processing, etc.
- Observe antique gemstones and their surfaces in detail;
- After selecting a digital camera system, computer and metallographic analysis software, the computer can process, edit, save and output images;



Product Details



1.Eyepiece

2.Adapter

3.Micro Handwheel

4.Coarse Handwheel

5.Machine Mainframe

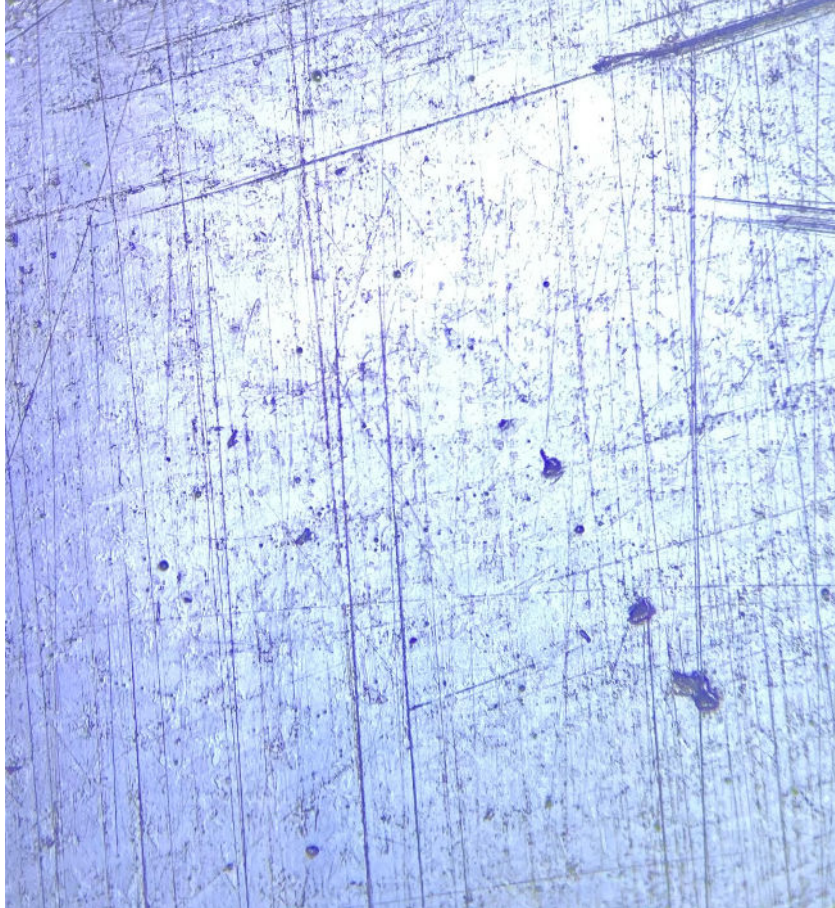
6.Coaxial Light Sources

7.Objective

8.Machine Base

Product Details

Imaging Advantage



- 10X achromatic objective lens helps reduce chromatic aberration and make the color of the image more realistic and natural;
- Built-in vertical lighting source ensures that the light can fully illuminate the sample surface;
- Coaxial LED lighting can provide uniform and stable light.

Technical Specification

Eyepiece	Plan Eyepiece 10X Φ 18mm
Objective	Achromatic objective 10X NA0.25 WD7.3mm
	Metallographic objective 40X NA0.65 WD0.5mm
Magnification	100X、 400X
Focusing Range	Coarse handwheel focusing range: 23mm Fine handwheel focusing range: 1.5mm
Machine Dimension	320*240*110mm
Packing Dimension	380*300*150mm
Net Weight	3kg
Gross Weight	4.5kg
Light Source	LED coaxial light source
Voltage	220V 50/60Hz
Packing Box	Aluminium box

Standard Delivery

Name	Qty	Photo
Machine Mainframe	1pc	
LED Coaxial Light Sources	1pc	
10X, 40X Objective	each 1pc	
10X Eyepiece	1pc	
Charger	1pc	
Aluminum Packaging Box	1pc	

Optional Delivery

Optional

Digital Camera System: ≥ 5 million pixels

Specialized Adapter

Branded Computer

Metallographic Analysis Software

Magnetic Base



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