



iMetal-100/400

Portable Metallographic Microscope



Video



Contact us

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Product Features and Application

Product Features

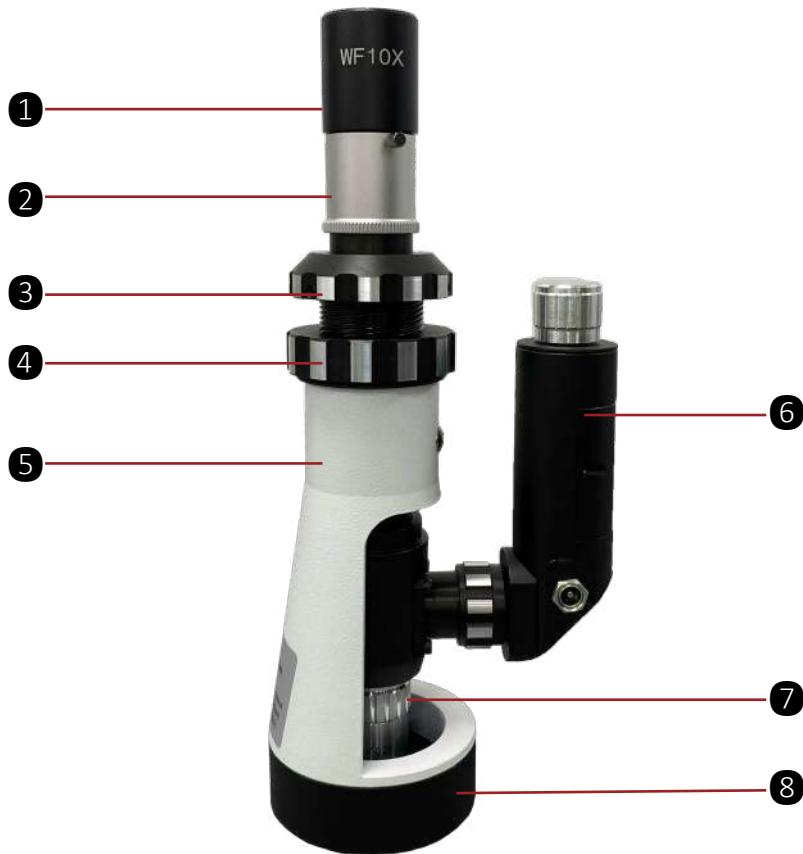
- With built-in vertical lighting source, coaxial LED lighting, adjustable brightness, can work continuously for 48 hours;
- Magnetic two-dimensional moving and self-rotating 360° workbench, convenient for on-site sampling;
- It can be used with camera and metallographic analysis software;
- With coarse 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 Structure



1.Eyepiece

2.Adapter

3.Micro handwheel

4.Coarse handwheel

5.Machine mainframe

6.C coaxial light sources

7.Objective

8.Machine base



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 Φ18mm
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

Technical Specification

Machine Mainframe



LED Coaxial Light Sources



10X, 40X Objective



10X Eyepiece



Charger



Aluminum Packaging Box



Optional Delivery

Digital Camera System: ≥ 5 million pixels

Specialized Adapter

Branded Computer

Metallographic Analysis Software

Magnetic Base

