

Mikrosize®

iMetal-530BD

Upright Metallographic Microscope



Video



Contact us

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Product Feature&Application

Product Features

- The iMetal-530BD upright transmitted and reflected microscope is
- Adopting an excellent infinite distance optical system and modular functional design concept, it can provide excellent optical performance and product system upgrades, achieve transmitted and reflected synchronized or independent illumination, polarizing observation, dark field observation and other functions.
- The product has the characteristics of beautiful appearance, easy operation, clear images, etc.



Product Application

- It is an ideal instrument for research in biology, metallurgy, mineralogy, precision engineering, electronics, and other fields.





Nosepiece & Objective Lens



Nosepiece & Objective Lens



Mechanical Stage



Nosepiece & Objective Lens



Mechanical Stage



Cirque Substage

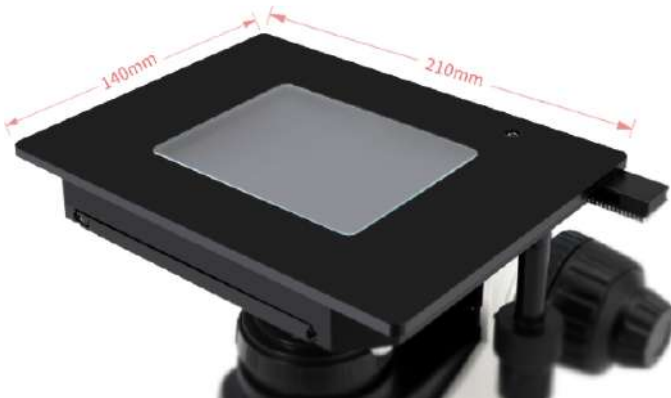
User Friendly



Large Field Plan Objective Lens



Infinite Long Distance Plan Achromatic Objective Lens



Double-deck Mechanical Stage



Coarse/Fine tuned focusing handwheel



Reflected Illumination System

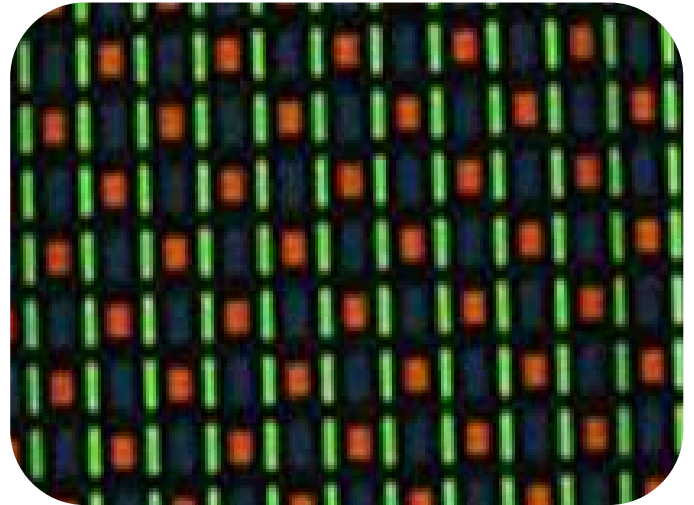


Transmitted Illumination System

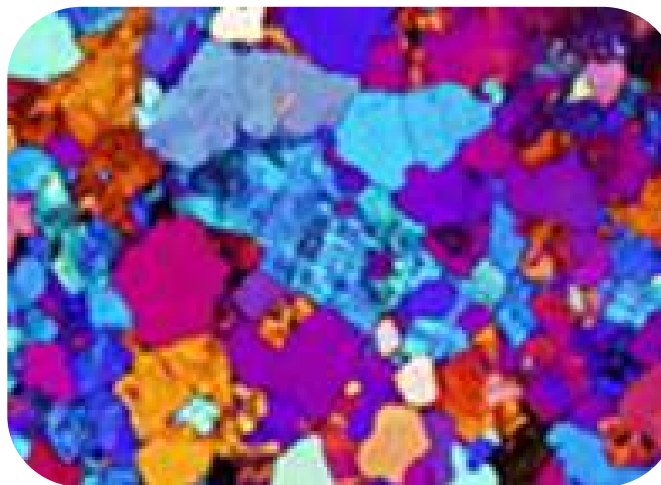
Digital Photography Realistic Photos



Darkfield Observation



Brightfield Observation



Polarized Observation



High definition digital camera observation



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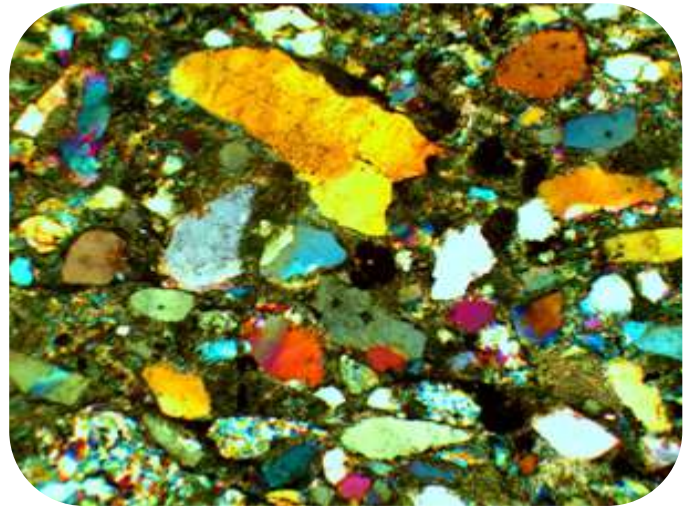
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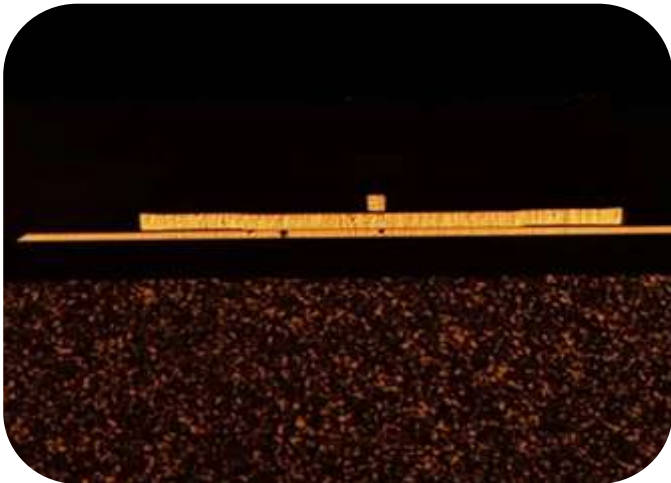
Product Application



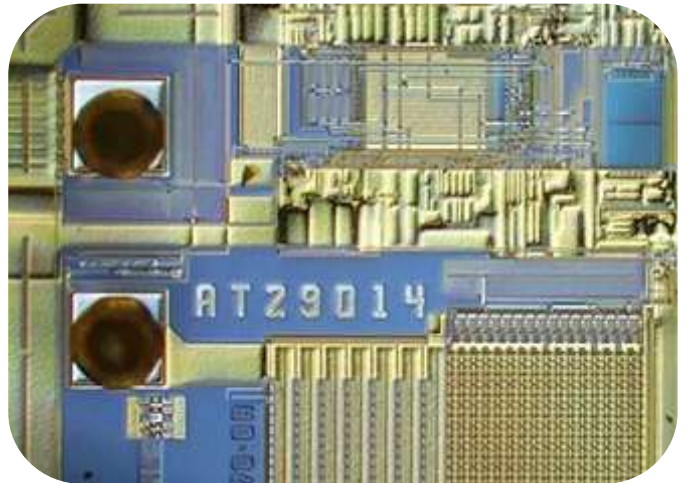
Biology



Mineralogy



Metallology



Electronics

Technical Specification

Product Name	Upright Metallographic Microscope	
Model Number	iMetal-530BD	
Eyepiece	Wide Viewing Field WF10X(Field NumberΦ22mm)	
Infinite Plan Achromatic Objective Lens	iMetal-530BD (Bright/Dark Field Objec- tive Lens	PL L5X/0.12 BD Working Distance: 8.05 mm
		PL L10X/0.25 BD Working Distance: 7.86 mm
		PL L20X/0.40 BD Working Distance: 7.2 mm
		PL L40X/0.60 BD Working Distance: 3.0 mm
Eyepiece Tube	30° Inclined, Pupil Adjustment Range 53~75mm.	
Focusing Mechanism	Coarse&Fine Coaxial Focusing, with Locking and Limiting Device, Microgrid Value:2μm.	
Converter	Five-position(Inward ball positioning)	
Mechanical Stage	Double-deck Moving Mechanical Stage, Dimension:210mmX140mm, Moving Range:75mmX50mm	
Reflected Illumination System	iMetal-530BD	12V50W Halogen Lamp, Adjustable Brightness.
	iMetal-530BD	With Yellow, Blue and Green Filters and Frosted Glass
	Built-in Viewing Field Diagram, Aperture Diagram, Color Filter Conversion Device, Push-pull Polarizer and Analyzer	
Transmitted Illumination System	Lifting Abbe Condenser NA.1.25	
	A Built-in Viewing Field Diagram in Light Collector	
	iMetal-530BD	With Blue Filter and Frosted Glass
	iMetal-530BD	12V30W Halogen Lam, Adjustable Brightness

Optional Accessories

Item	Specification
Eyepiece	Dividing 10X (Φ22mm)
Objective Lens	B/D Field 50X、60X、80X、100X
CCD Connector	0.5X、1X、0.5X With Divided Scale
Camera	USB Output: 130/300/500/1000 Megapixels
Digital Camera Connector	CANON(EF) NIKON(F)

Packing List

Number	Name	Quantity
1	Mainframe	1 pc
2	Transmission and reflected light source group	1 set
3	Eyepiece tube	1 pc
4	Triple interface	1 pc
5	Infinite plan achromatic bright and dark field objective: PLL5 x, PLL10 x, PLL20 x, PLL40 x	Each 1 pc
6	Wide field eyepiece: WF 10 x	1 pc
7	Color filters: (yellow, green, blue, frosted)	Each 1 pc
8	Polarizing device	1 pc
9	Anti-dust cover	1 pc
10	Fuses	1 pc
11	Halogen lamp	1 pc
12	User manual	1 copy
13	Product certificate	1 copy
14	Warranty card	1 copy