



A18.1832

Touch Screen Motorized Digital Comparison Microscope, 2x~240x



The **A18.1832 Touch Screen Motorized Digital Comparison Microscope** offers 2x–240x magnification with a 0–45° tilt-adjustable binocular head and WF10x/22mm, WF20x/13mm eyepieces. Featuring a motorized sextuple nosepiece, LWD infinity plan objectives (0.5x–6x), and auxiliary lenses (4x, 2.0x), it includes XYZ stage movement, rotation, and 150mm motorized column adjustment. Equipped with Win11 touch screen tablet integration for advanced analysis and control, this microscope ensures precision and efficiency in digital comparison tasks.



- Newly Developed 2025! Win11 Touch Screen Tablet Integrated Analysis Software & Control System
- Total Magnification 2x-240x, 0-45° Tilt Adjustable Binocular Head With Eyepiece WF10x/22mm, WF20x/13mm
- Sextuple Nosepiece, LWD Infinity Plan Objectives 0.5x, 1x, 1.5x, 2x, 4x, 6x, Auxiliary Lens 4x, 2.0x
- Motorized 6 Holes Nosepiece, Motorized Working Stage XYZ Moving & R Rotating
- Motorized Column Up/Down 150mm, Motorized Separation Line Moving

Objective	Eyepiece 10X	Eyepiece 20X	Photo graphing & Video System	Working Distance
	Mag./View field φ22mm	Mag./View field φ12mm		
1X/0.03	10X/φ22	20X/φ12	Measure According to Monitor & Digital Camera	102mm
1.5X/0.04	15X/φ15	30X/φ8		
2X/0.05	20X/φ11	40X/φ6		
4X/0.072	40X/φ5.5	80X/φ3		
6X/0.075	60X/φ3.7	120X/φ2		
0.5X/0.02	5X/φ44	10X/φ24		138mm

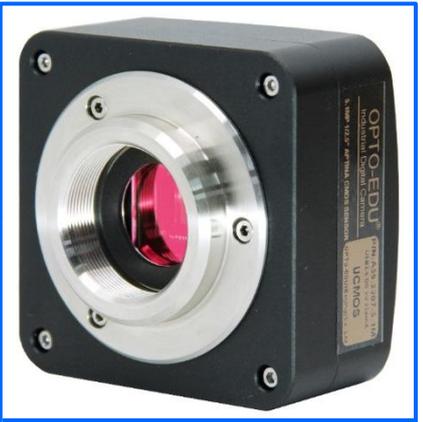
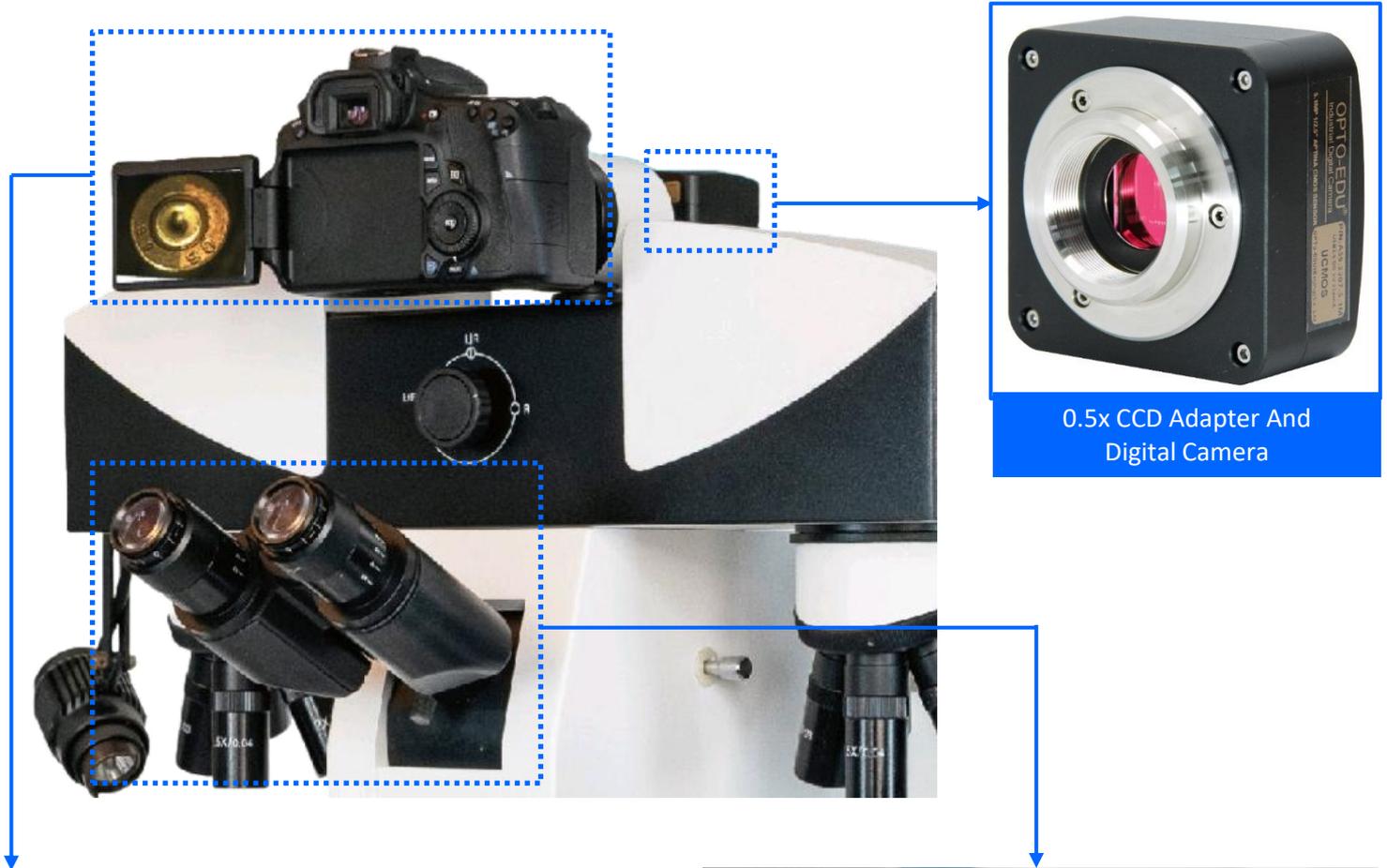


A18.1832 Motorized Digital Forensic Comparison Microscope, With Motorized Working Table

Magnification	2x~240x Optical
Head	0-45° Tiltable Binocular Head, Interpupillary Distance 48~75mm, Diopter +/-5 Adjustable
Eyepiece	WF10x/22mm, High Eyepoint
	WF20x/12mm, High Eyepoint
Nosepiece	6 Hole Click Stop Nosepiece
Objective	LWD Infinity Plan Achromatic Objective 0.5x, 1x, 1.5x, 2x, 4x,6x
	Auxiliary Lens 0.4x, 2.0x
Working Distance	101mm
View Field	Dia. 2.3~62mm
Magnification Correcting	Magnification Correction System, With Correcting Lens
Separation Line Adjusting	Separation Line Adjust System In Back, With Special Designed Adjust Driver
	Square Manual Working Stage 90*90mm, Moving Range 54*54*54mm
Working Stage	Round Tiltable Working Stage Dia. 90mm, 0-45° Inclined, 360° Rotatable
	Joint Left/Right Moving Range 54mm, Joint Up/Down Range 60mm
	12V50W Fan Cooling Strong Halogen Light, Brightness Adjustable, 2pcs
Light Source	5W LED/UV Cold Light, High Brightness, Brightness Adjustable, 2pcs
	Coaxial Light Lens, To Observe In Deep Hole, Or Smooth Object Surface, 2pcs
	Polarizing Light Lens, To Eliminate Flare Lights And Dazzling Lights, 2pcs
	Transmit Bottom Light (Built-in Working Stage)
	Ultraviolet Light Lens, 2pcs
Adapter	Filters: Red, Blue, Yellow, Green, 2pcs Each Color
	0.5x CCD Adapter For Digital Camera
	Front View Photo Adapter 2.5X For SLR Digital Camera (Nikon And Canon)
CCD Camera	5.1M High Resolution Color CCD Camera, 1/2.5" CMOS, USB 2.0 Output, Resolution 2592*1544 Pixels, Pixel Size 2.2*2.2μm
Touch Screen Computer	Touch Screen Computer, Windows With Preinstalled Software
Software & Motorize Control	Professional Forensic Image Analysis Software
	Motorized/Manual View field Changeover Full /Split /Overlapping Image
	Motorized/Manual Control Working Stage X/Y/Z 3D Movement
	Motorized/Manual Control Round Working Stage Rotation +/- Direction
	Motorized Column Up/Down 150mm
Power	80~240V Wide Range Voltage
Bullet Holder	Standard Bullet Holder 2 Sets, Bullet Holder Set for all kinds of Bullet, Cartridge and other Objects
Dimension	Instrument Size 40*60*72cm

Optional Accessories

Light Source	150W Cold Light Source, With Optical Fiber & Light Collector	A56.1821
Bullet Holder	Motorized Bullet Holder 1 Set	A54.1813
Working Table	Motorized Up/Down Working Table, Surface 60cm*120cm, Height 65cm,Up/Down Moving 170mm	A54.1821



0.5x CCD Adapter And Digital Camera



Adapter for DSLR Digital Camera(Camera Not Include)



0-45° Tiltable Binocular Head



Ultraviolet Light Lens

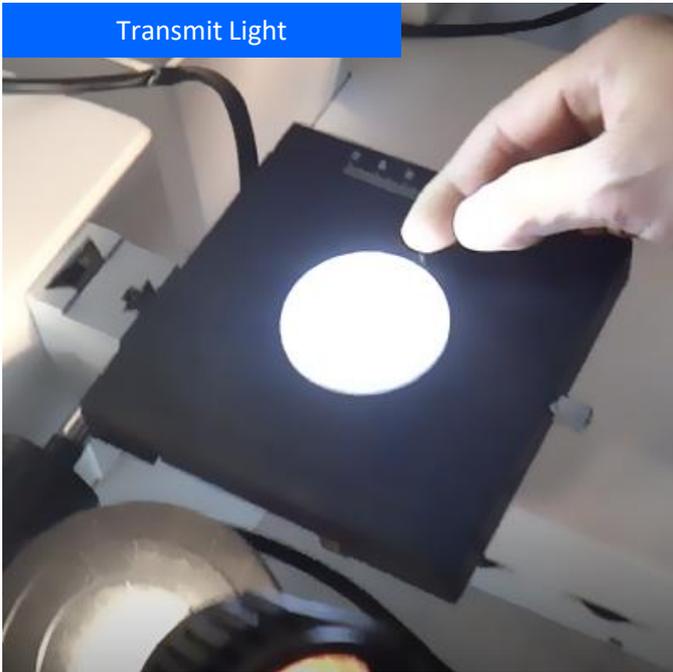


Filters: Red, Blue, Yellow, Green

UV/LED And Halogen Light



Transmit Light



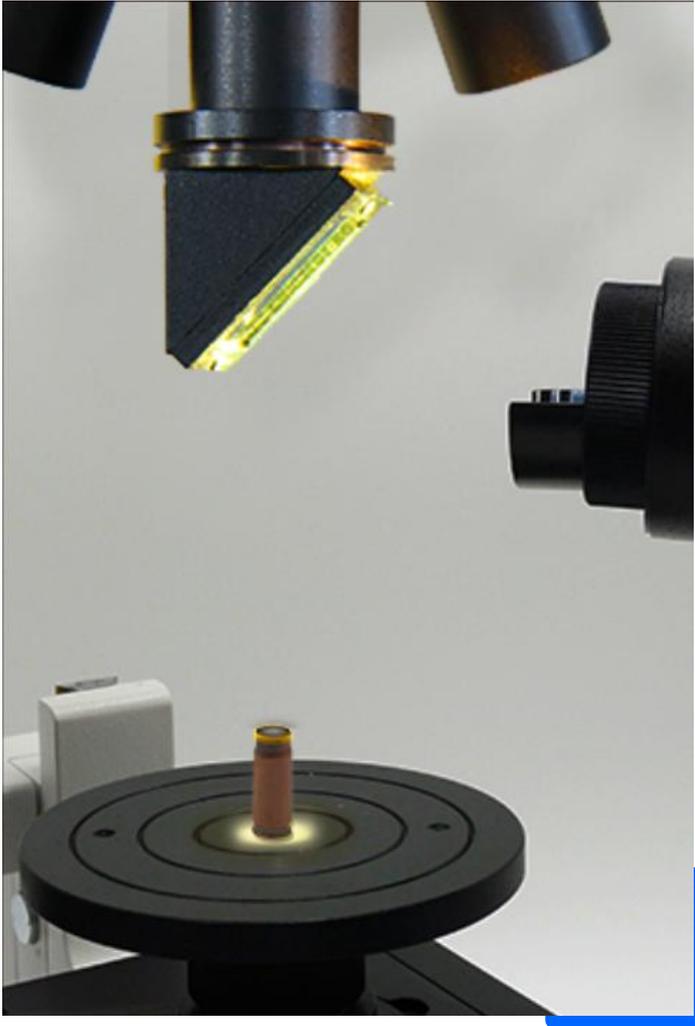
Control Panel



LED/Halogen Dimming



UV/LED/HAL/TRANSMIT, all kinds light sources, brightness adjustable



► Coaxial Light Attachment

to get vertical light path for watching inside deep hole bottom



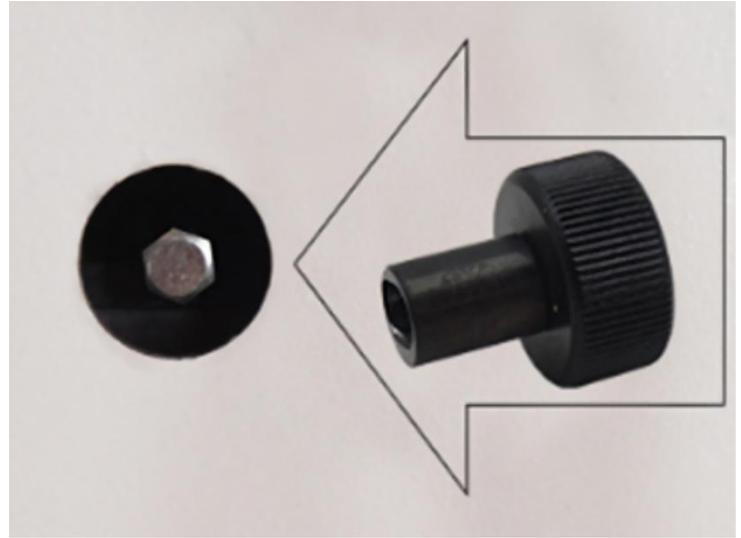
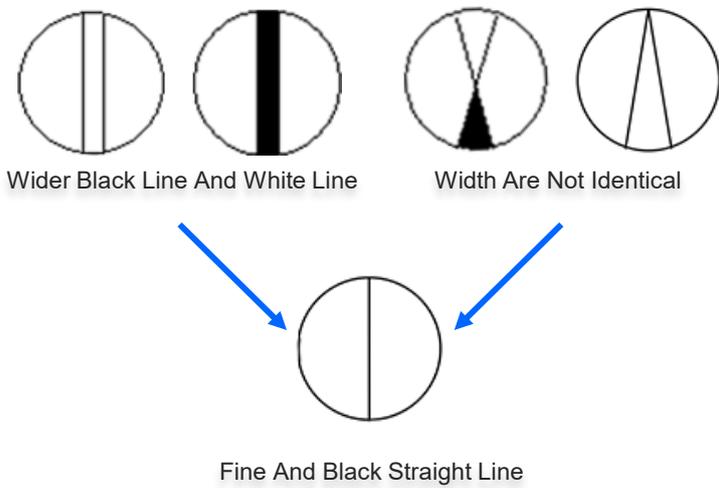
► Polarizing Light Lens Set

To eliminate flare lights and dazzling lights



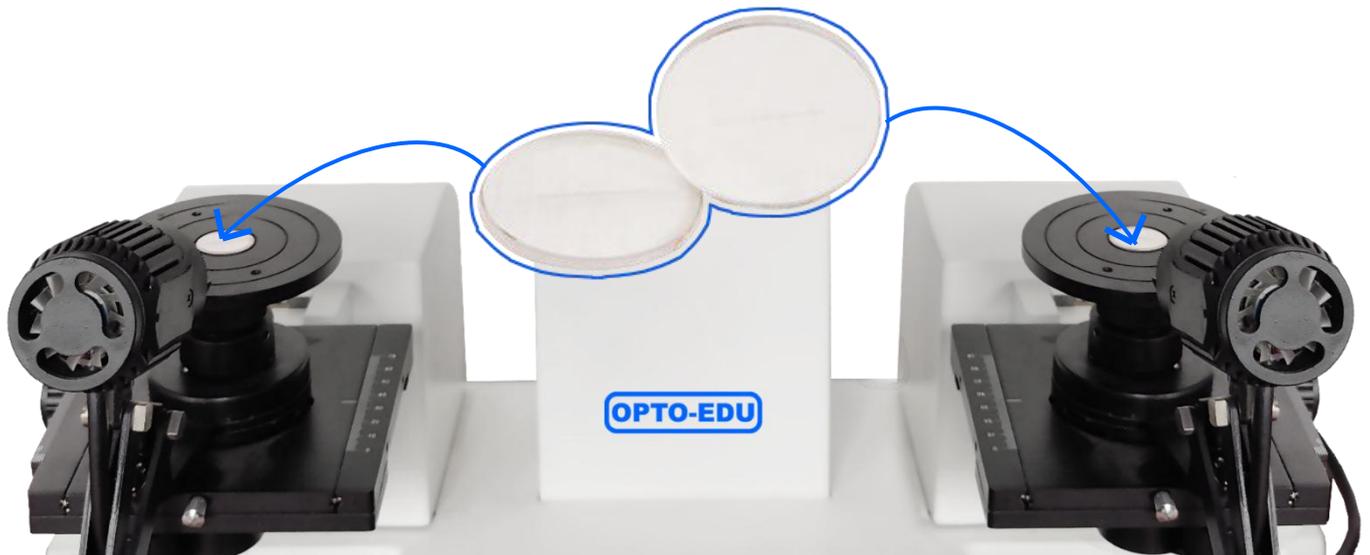
► Separation Line Adjust System

Separation Line Adjust System in Black, with special designed adjust driver

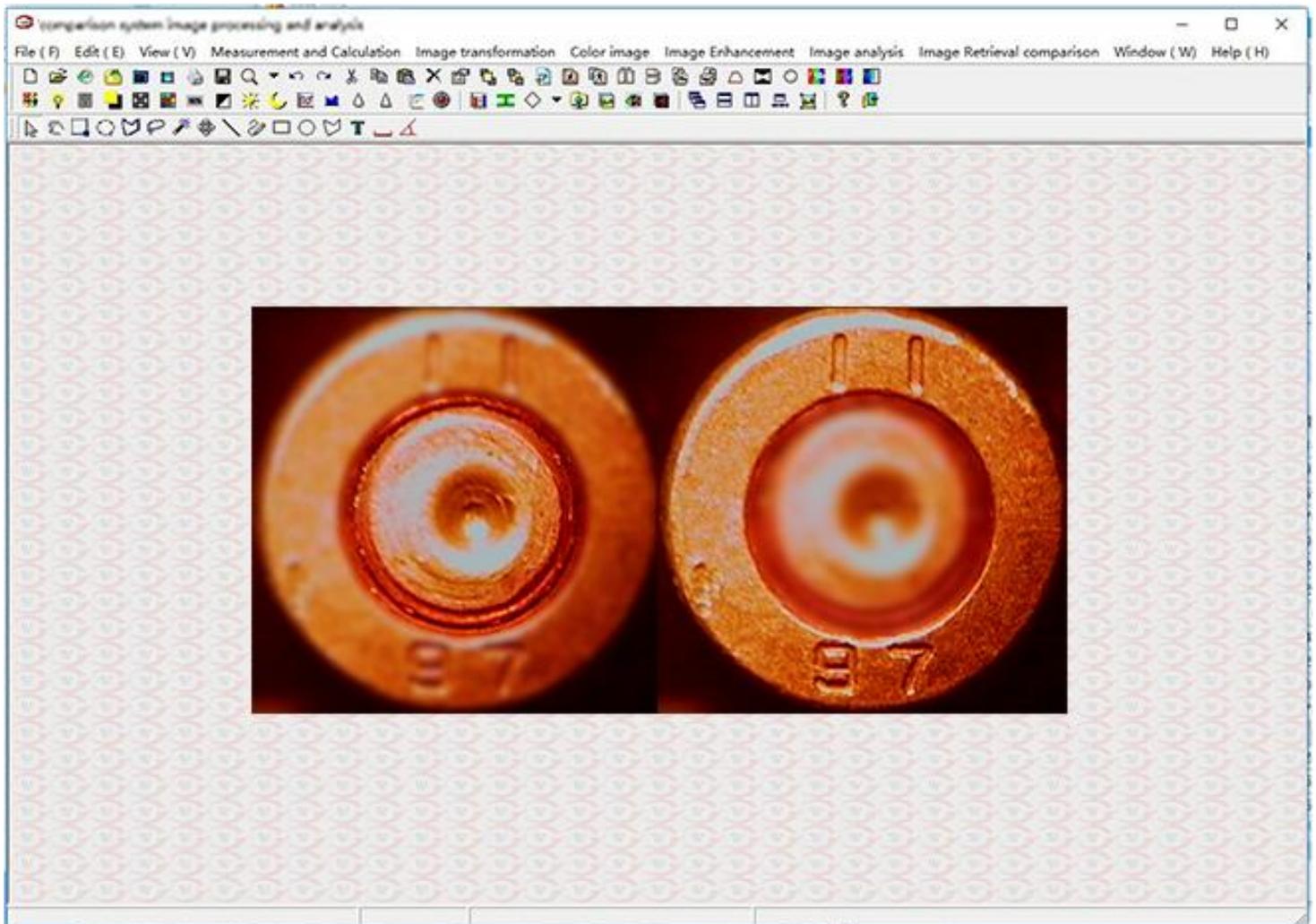
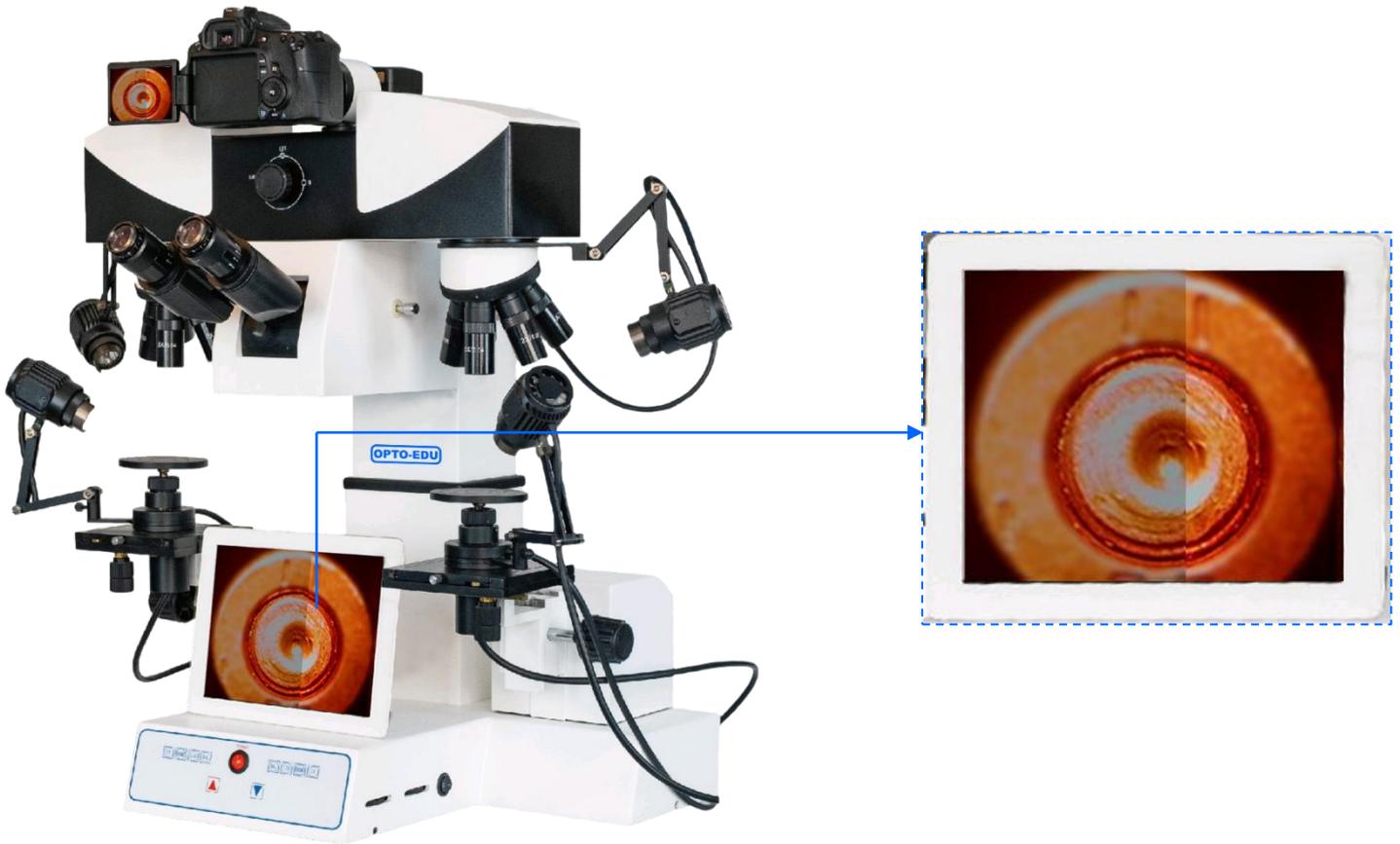


► Magnification Correction System, With Correcting Lens

Put 2 correcting lens on 2 working stage, see through eyepiece, find 2 clear scale images in overlapping mode, adjust correcting knob on right side of microscope body, until the 2 scales fully match each other.



► Touch Screen Computer, Windows11 With Preinstalled Software





Motorized Column Up/Down 150mm

Motorized/Manual Control To Change Objective Magnification

Motorized/Manual Control Round Working Stage Rotation +/- Direction

Motorized/Manual Control Working Stage X/Y/Elevation 3D Movement

Motorized/Manual View field Changeover Full /Split /Overlapping Image



Objective Magnification



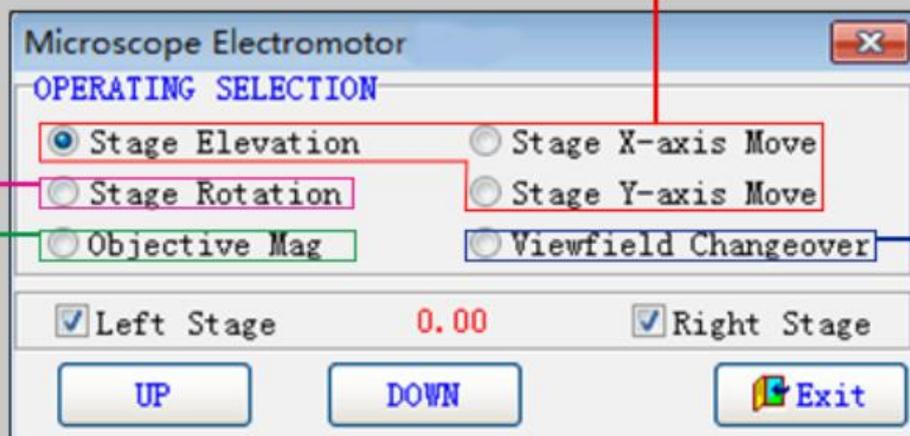
Round Stage Rotation



Stage X/Y/Elevation



Viewfield Changeover





Eyepiece WF 10x/22mm and WF 20x/12mm
high eyepoint, each 2 pcs included



Long Working Distance Infinity Plan Objectives:
0.5x, 1x, 1.5x, 2x, 4x, 6x



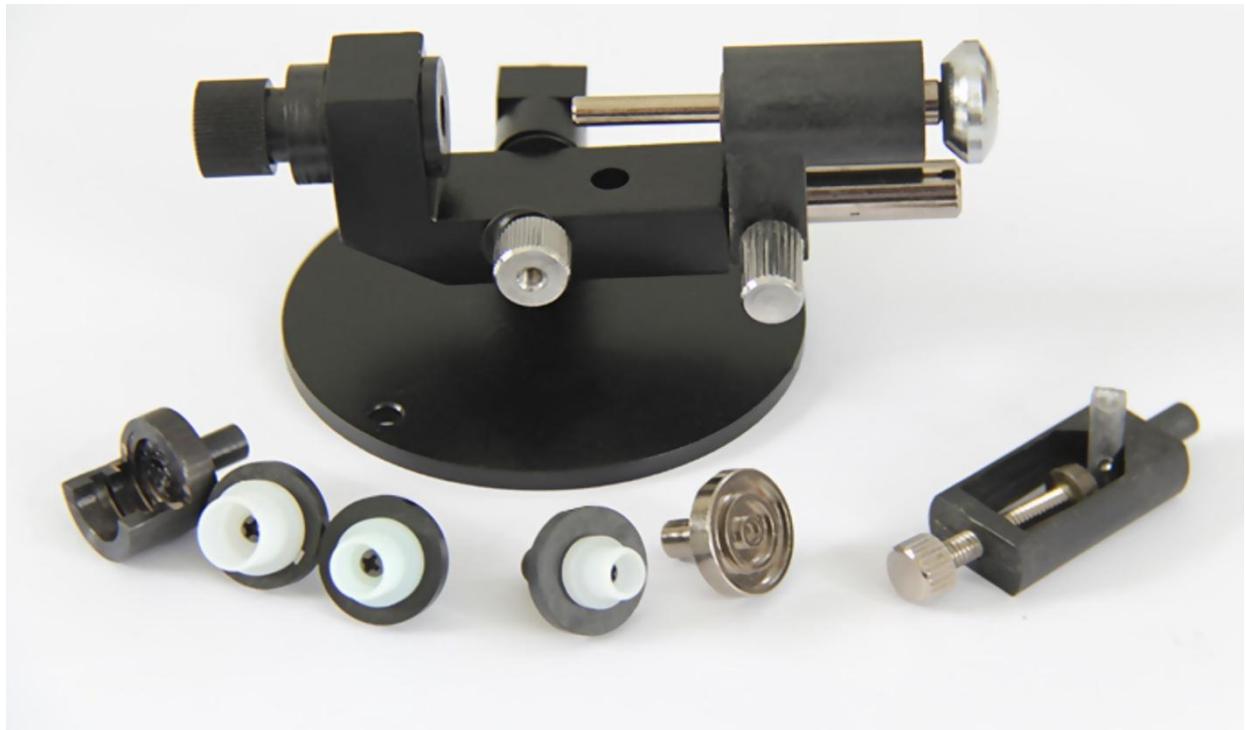
Auxiliary Lens 0.4x and 2x
each 2 pcs included
(Installed under the objective lens)



Accessories Packed in Strong Aluminum Box

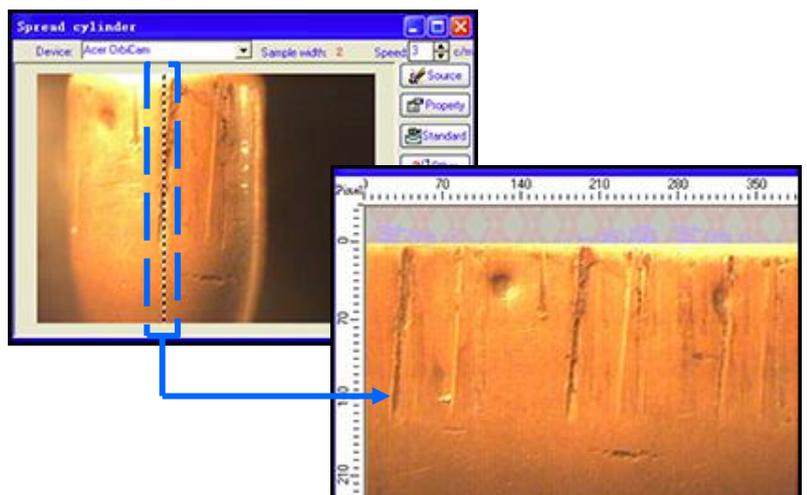
► **Bullet Holder Set**

To hold & view all kinds of cartridge, bullet, other objects in different angel and position freely. Each Microscope Include 2 sets.



► **Motorized Bullet Holder (Optional)**

To capture rotating cartridge surface and spread; to observe/compare easily, used with software





Customized Aluminum Box(Optional)



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The Key To Micro World

Opto-Edu is one of the most professional supplier for microscope & educational instruments from China. We have been focusing in this field for more than 25 years, has a professional sales team who can assist our customer to find the BEST SELECTED microscope with competitive price and 3 YEARS Warranty.

25+ Year professional experience we know Microscopes the best!
150+ Microscope & accessory manufacturers supply all models from China
200+ Hot sale microscopes & Newest Models Updated Every Month
750+ Customer from all over the world & keep rising every day
1500+ Microscope products create your one-stop purchase platform
3000+ Educational Instruments For School, College And University Teaching
The Most Professional Microscope Manufacturer in China!



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Opto-Edu (Beijing) Co.,Ltd.

F-1501 Wanda Plaza, No.18 Shijingshan Road, Beijing 100043, China

Offical Main Website: www.optoedu.com

www.cnoec.com.cn, www.optoedumicroscope.com, www.microscopemadeinchina.com

Skype: xincnoec Wechat, Mobile,WhatsApp: +86 13911110627

Tel: +86 10 88696085 Email: sale@optoedu.com

