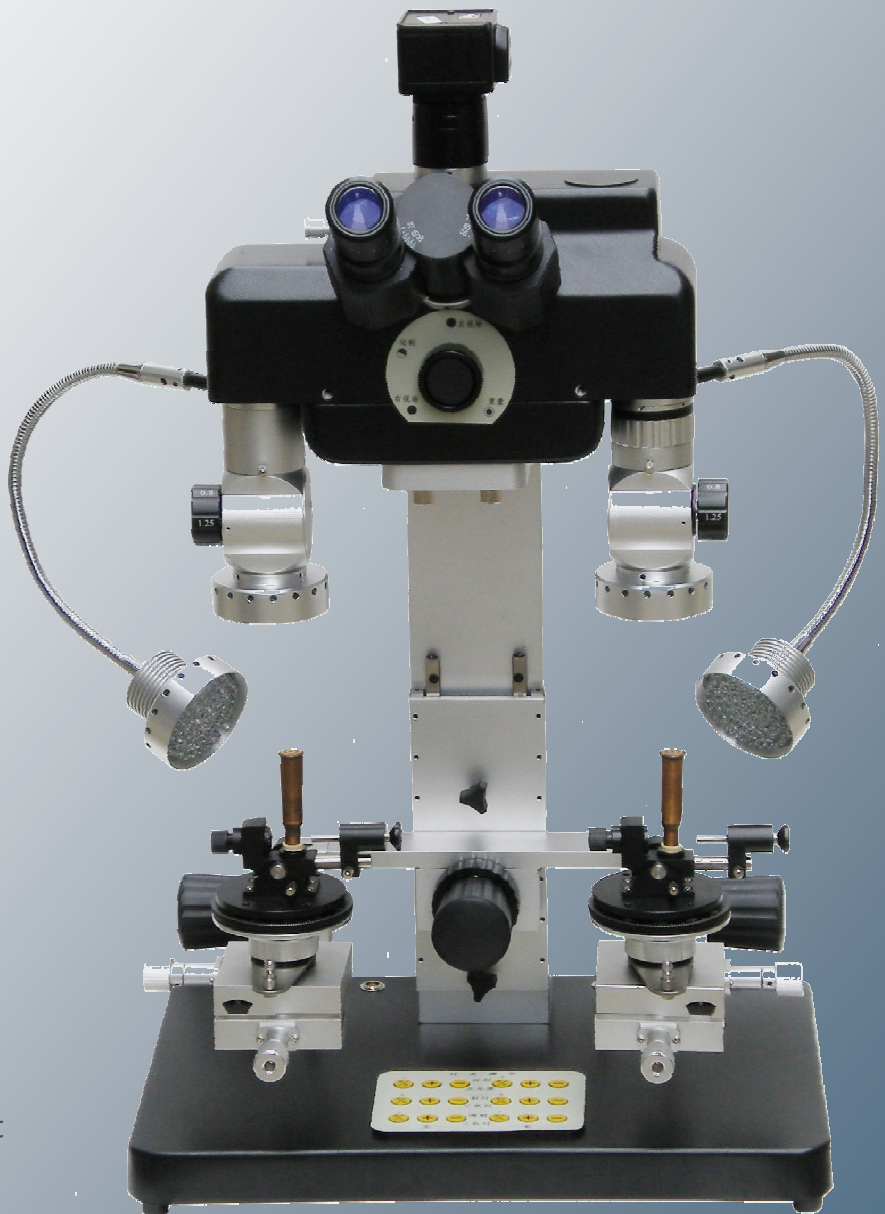


CFM Series Macroscope

Unparalleled Value & Performance

Engineered and built upon years of tradition, value and excellence, UNITRON returns to the field of Forensic Science with the introduction of its new CFM Series Macroscope. With the design assistance of police organizations, forensic scientists and educators in the field of forensic science UNITRON's CFM Series Macroscope offers unparalleled value and performance for the inspection of ballistics, firearms and toolmark examinations.

Evidence can be observed simultaneously via the precision engineered comparison bridge that supports two sets of matched objective steps on a 5-step magnification changer. The CFM Series is equipped with 22mm field of view eyepieces and produces erect, unreversed images that move in the same direction as the specimen for ease of use.



Comparison Forensic Macroscope

Standard Specifications

- 5 matched magnification steps - 0.8x, 1.25x, 2x, 3.2x and 4.8x
- Images can be viewed as 100% right, 100% left, split or superimposed
- The split image dividing line can be adjusted to any desired line width, offering maximum flexibility
- CWF 10x eyepieces, 22mm field of view and CWF 20x eyepieces, 13mm field of view
- Working distance – 95mm
- Two 65mm diameter circular, ball bearing precision stages with horizontal coaxial stage controls
- The stage movement ranges when moved independently are 56mm of X-axis, 56 mm of Y-axis and 56mm of Z-axis movement
- Stage movement range when using the combined focus block is 80mm on the Z-axis movement
- Each stage has gradient adjustments in both directions
- 2.5 watt Circular LED Ring Light mounted to each optical system
- 3 watt LED flexible light guide with focusing lens
- A wide range of stage mounting plates, bullet and cartridge holders
- Built-in touch pad to control all lighting options
- Interpupillary distance adjustment range of 55 – 75mm

Optional Accessories

- CWF 16x/16mm field of view, CWF 25x/13mm and CWF 30x/9mm eyepieces
- Auxiliary objectives 0.4x and 2.0x
- Digital cameras
- CCD Adapters — 0.4x and 2.0x
- Photo tube
- Transmitted light stage — 95mm diameter, with 3 watt LED transmitted light source to observe transparent or translucent objects
- 1 watt coaxial LED illuminators
- Daylight, UV, Green or Red LED circular attachable light guides
- Polarizer

Optical Data

Auxiliary Objective	Working Distance (mm)	EYEPIECE				CCD Adapter 0.4X
		WF 10X/22	WF 16X/16	WF 20X/13	WF 30X/9	
		Total Magnification	Total Magnification	Total Magnification	Total Magnification	
0.8X	95	8X/27.5	12.8X/20	16X/16.2	24X/11.3	0.32X
1.25X	95	12.5X/17.6	20X/12.8	25X/10.4	37.5X/7.2	0.5X
2X	95	20X/11	32X/8	40X/6.5	60X/4.5	0.8X
3.2X	95	32X/6.9	51.2X/5	64X/4	96X/2.8	1.28X
4.8X	95	48X/4.6	77X/3.3	96X/2.7	144X/1.9	1.9X

ISO 9001
Certification

Design and production adheres to ISO9001 international quality standard.

ISO 14001
Certification

Design and production meets the requirements of international standard ISO 14001 for environmental management.



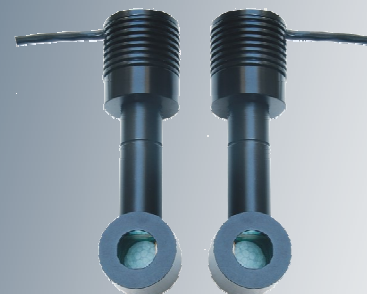
Optional Accessories



Daylight, UV, Green or Red LED Attachable Light Guides



Transmitted 3w LED Stage



Coaxial 1w LED Illuminators



Polarizer



Bullet Secure Grip/Clip Device & Clip Wire