



## Metallographic Microscope MM Series

### MM-CX40M

High-precision and high-efficiency metallurgical microscope integrating software, optical, mechanical and electrical components.

#### Metallographic microscope parameters

Code	Description
MM-CX40M	Bright field, polarised; infinity long working distance flat field achromatic metallurgical objective (5X, 10X20X, 50X); swing-out achromatic spotting scope N.A.0.9;

#### Metallographic microscope parameters

Optical System	Infinite Apochromatic Correction Optics
Observation Tube	30° tilt, ortho image, infinity comparative chain tee observation tube, pupil distance adjustment: 5mm~76mm, two spectral ratios binocular: trinocular=100:0 or 0:100
	30° tilt, inverted image, infinity comparative chain tee observation tube, pupil distance adjustment: 50mm~76mm, three spectral ratios binocular: trinocular=100:0 or 20:80 or 0:100
Eye Pieces	High eye point large field flat field eyepiece PL10X25mm with adjustable dioptre
	High-eye-point, large-field flat-field eyepiece PL10X25mm with single-scaled crosshair dividing plate and adjustable visual field
	High eye point large field flat field eyepiece PL10X26.5mm with adjustable dioptre
	High-eye-point, large-field flat-field eyepiece PL10X26.5mm with single-scaled crosshair dividing plate and adjustable dioptre
Objective	Bright and dark field semi-complex achromatic metallographic objectives (5X, 10X, 20X, 50X, 100X)
	Brightfield semicomposite achromatic metallographic objective (5X, 10X, 20X, 50X, 100X)
Objective Lens Converter (with Dic Slot)	Light and Dark Field 5-Hole Converter, Light and Dark Field 6-Hole Converter
	Brightfield 6-Hole Converter, Brightfield 7-Hole Converter
Stage	The camera has a dual-purpose frame with a low hand coarse and fine co-axial focusing mechanism. Coarse adjustment stroke 25mm, fine adjustment accuracy 0.001mm, with preventing slipping of the adjustment of the elastic device and random upper limit device. Built-in 100-240V wide voltage system, dual power output, digital dimming, with light intensity setting and reset function, reflective/transmissive light switch, built-in transmitted light filter (LBD, ND6, ND25).
	Reflective frame with low hand coarse and fine co-axial focusing mechanism. 25mm coarse adjustment stroke, 0.001mm fine adjustment accuracy. Coarse adjustment stroke 25mm, fine adjustment accuracy 0.001mm, with preventing slippage of the adjustment of the elastic device and random upper limit device built-in 100-240V wide voltage system, using digital dimming, with light intensity setting and reset function.
Platform	Right-handed 4" mechanical stage with 105mm x 102mm travel, with Y-axis locking mechanism, with transmissive system light barrier, with glass carrier plate
Reflector Illuminator	Swing-out achromatic condenser (N.A.0.9)
Spotting Scope	Bright and dark field reflector illuminator with variable aperture diaphragm, field of view diaphragm, centre adjustable; with switch between bright and dark field illumination, with filter slot, with polariser/detector slot
Lamp Room	12V100W Halogen Chamber, Transmissive, Reflective Universal, Pre-centred
Other	Camera accessory: 0.5X, C-type connector, focus adjustable
	Polarising Plate, Fixed Polarising Plate, 360 Rotating Polarising Plate
	DIC Differential Interference Components
	Interference filters for reflection: blue ≤ 480nm, green: 520nm-570nm, red: 630nm-750nm, colour balance film (white light)
	Highly accurate micrometer with 0.01mm grid.

#### PRODUCT ADVANTAGES

- Newly adopting semi-complex cancellation technology, covering a variety of observation modes such as bright field, dark field, polarised light, differential interference, etc., providing you with efficient solutions;
- Adopting the illumination system and optical system of research-grade microscope, with uniform illumination and clear imaging. New operating system mechanism with ergonomic design, minimising operator's fatigue.
- Modular components design, free combination of system functions, to meet the needs of the professional field of industrial inspection and metallographic analysis.
- Highly integrated software system, let you operate more comfortable.

#### APPLICATION FIELDS

Widely used in electronic components, precision moulds, precision tools, springs, plastics, rubber, oil seals and stop valves, camera parts, automotive parts, PCB processing and other fields.

#### PRODUCT CASES

