

### M400 Series Inverted Metallurgical Microscopy System

M400 Series Inverted Metallurgical Microscope is a professional Metallurgical Testing Instrument for observation & analysis the characteristics of metallurgy, Mineralogy, crystal and micro-electronics, etc. It is widely used in Factories, Universities, Scientific research organization and Electronic industry.



#### Main Features:

- shape-designed base provides the high stability; Ergonomic Configuration Design achieves simple and convenient operation

- Both reflection and transmission illumination are available; Bright field and Polarizing observation under illumination of reflection light;

bright field observation under

transmission light. Polarizing Outfit is already equipped for application.



# Standard Specification -----M400 Series

Standard Specification		M400	M403	M410	M413
Viewing Head	Compensation Binocular Head Inclined at 45° Interpupillary Distance: 55mm - 75mm	√	OPTIONAL	√	OPTIONAL
	Compensation Trinocular Head Inclined 45° Interpupillary Distance: 55mm - 75mm	OPTIONAL	√	OPTIONAL	√
Eyepiece	WF10X/20mm	√	√	OPTIONAL	OPTIONAL
	WF10X/22mm	OPTIONAL	OPTIONAL	√	√
	WF10X/20mm w/reticule 0.1mm	OPTIONAL	√	OPTIONAL	√
Nosepiece	Quadruple nosepiece	√	√	√	√
Objective	Metallurgical Objectives 4xÁ 0.1W.D .25mm; 10xÁ 0.25W.D .11mm, 20 xÁ 0.4W.D .9mm; 40xiÁ 0.6W.D.3.8mm	√	√	OPTIONAL	OPTIONAL
	Infinity metallurgical objectives 4 xÁ 0.1W.D .25mm, 10 xÁ 0.25W.D .11mm, 20xÁ 0.4W.D .9mm; 40 xÁ 0.6W.D.3.8mm	OPTIONAL	OPTIONAL	√	√
	50 xÁ /0.75W.D. 1.9mm 80 xÁ (S)/0.9W.D. 0.9mm	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Stage	Double layers mechanical stage; Stage size: 242mmX 172mm Moving range : 75mmX 50mm	√	√	√	√
Condenser	Abbe N. A. 1.25 condenser with iris diaphragm & filter	√	√	√	√
Focusing	Coaxial coarse & fine focusing adjustment with rack and pinion mechanism Fine focusing scale : 0.002mm	√	√	√	√
Illumination	Epi-Kohler illumination With aperture iris diaphragm and field iris diaphragm	√	√	√	√
	Transmission light, 12V/30W.AC85V-230V Adjustable brightness	√	√	√	√
Polarizing Outfit	Analyzer rotatable 360°, polarizer & Analyzer can be slid in / out of the optical path	√	√	√	√
Filter	Blue, green, yellow	√	√	√	√
Checking tool	0.01mm micrometer	√	√	√	√
Optional	DCM3.0 digital eyepiece	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	DCM130 Digital eyepiece	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Accessories	Photo attachment	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL

## Components and Accessories

JM40000	Compensation Binocular Head £→ Inclined at 45°	JM40600	Collector
JM40002	Compensation Trinocular Head, Inclined at 45°	JM40701	Epi-Kohler illumination With aperture iris diaphragm and field iris diaphragm
JM40101	WF10X/20mm	JM40702	Transmission light system, 12V/30W. AC85V-230V
JM40102	WF10X/22mm	JM40800	12v/30w halogen bulb
JM40103	WF10X/20mm w/reticule 0.1mm	JM40810	Blue, green, yellow Filter kit
JM40200	Outward Quadruple nosepiece	JM40900	0.01mm micrometer
JM40301	Metallurgical Objectives 4 XA 0.1W.D .25mm; 10 XÁ 0.25W.D .11mm 20 XÁ 0.4W.D .9mm; 40 XÁ 0.6W.D.3.8mm	JM40302	Infinity metallurgical objective s 4XÁ 0.1W.D .25mm; 10 XÁ 0.25W.D .11mm 20 XÁ 0.4W.D .9mm; 40 XÁ 0.6W.D.3.8mm
JM40303	Metallurgical Objectives 50x/0.75 WD1.9mm, 80x/0.9WD0.9mm	JM40304	Infinity metallurgical objective s 50x/0.75WD1.9mm, 80x/0.9WD0.9mm
JM40400	Double layers mechanical stage; Stage size: 180mmX 150mm	JM40405	Abbe N. A. 1.25 condenser with iris diaphragm & filter
JM40500	Coaxial Focusing Adjustment System	JM40801	DCM300 digital eyepiece
JM40910	Photo attachment	JM40802	DCM130 Digital eyepiece



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# M300 Metallurgical Microscope



Items	Specifications	M300
Eyepieces	WF10X / 18	√
	WF10X / 20	OPTIONAL
	WF12.5X / 14	OPTIONAL
	WF16X / 13	OPTIONAL
	Huygenian Eyepieces 5X/ 120	OPTIONAL
	WF10X/(Reticule)	√
Plan Achromatic Objectives	Plan 2.5X/0.07	OPTIONAL
	Plan 4X/0.10	OPTIONAL
	Plan 10X/0.25	√
	Plan 20X/0.35 (S)	√
	Plan 40X/0.65 (S)	√
	Plan 100X/1.25 (S) (Oil)	√
Trinocular Head	Inclined 45 °	√
	Light Distribution:20:80	
Mechanical Stage	Size: 180 X165mm, Travel Range: 50X40mm	√
Illuminator	6V/30W Halogen Lamp Spare Lamp: 2 pcs Spare Fuse: 2 pcs	√
Filters	Blue, Green, Grey, White	√
1X C-mount	Available for Digital Camera	OPTIONAL
0.6X C-mount	Available for Vidicon	OPTIONAL
Adaptor for Digital Camera	optional	OPTIONAL
Micrometer	Division 0.01mm	OPTIONAL



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