



MEIJI
TECHNO

ML8000 SERIES METALLURGICAL MICROSCOPES

Infinity Optical System · Reflected & Transmitted Brightfield Illumination

FEATURES

VIEWING HEAD:

The ML8000 Series Metallurgical Microscope is equipped with either an erect image binocular or regular trinocular viewing head inclined at 30° and rotatable through 360° for comfortable viewing. Each eyetube is provided with a graduated dioptre adjustment. Interpupillary distance is adjustable between 52mm and 72mm.

EYEPIECES:

Paired DIN KHW10X super wide 20mm field of view eyepieces.

OBJECTIVE CHANGER:

Smooth operating quintuple ball-bearing nosepiece.

OBJECTIVES:

Infinity corrected, S. Planachromat M4X/0.10, M10X/0.25, M20X/0.40, M40X/0.65

ILLUMINATORS:

Vertical full Koehler illuminator with 6V 30W halogen lamp for brightfield and polarization technique, with infinity lens. Electronic transformer with intensity control supplied in a separate case. Blue clear, green clear, ND8 Neutral density and polarizing filters supplied in mounts.

Transmitted Koehler illuminator with 6V 30W halogen lamp with electronic transformer and intensity control built in the microscope base.

STAGE:

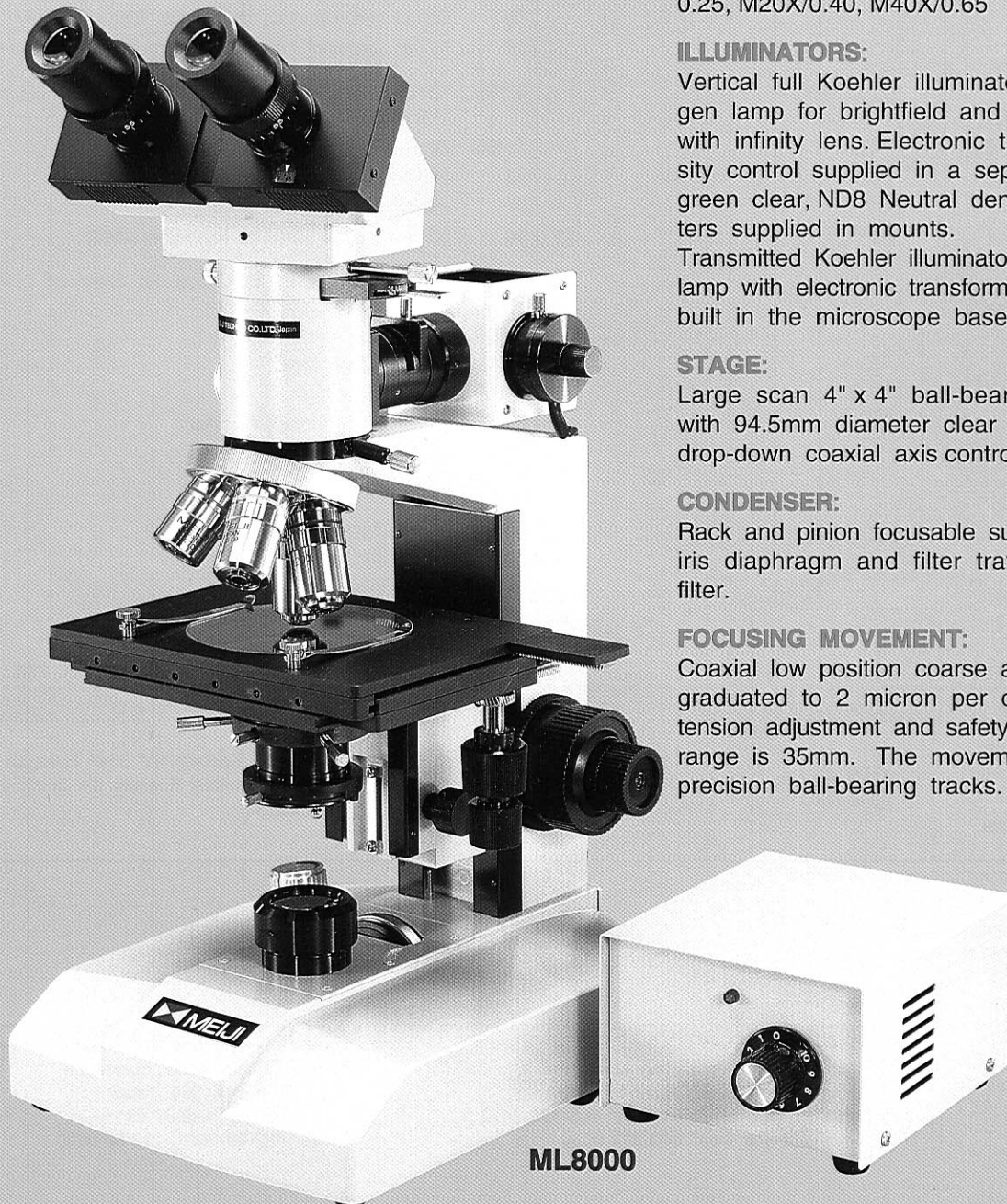
Large scan 4" x 4" ball-bearing mechanical stage with 94.5mm diameter clear glass stage plate, with drop-down coaxial axis controls with X/Y movement.

CONDENSER:

Rack and pinion focusable substage condenser with iris diaphragm and filter tray, including clear blue filter.

FOCUSING MOVEMENT:

Coaxial low position coarse and fine focus controls, graduated to 2 micron per division, are fitted with tension adjustment and safety autostop. The focusing range is 35mm. The movement runs in extra wide precision ball-bearing tracks.



ML8000

VIEWING HEADS

- MA401** Binocular head, erect image (included in Model ML8000)
- MA603** Trinocular head (included in Model ML8100)
- MA495** Trinocular head, erect image
- MA403** Monocular head

EYEPIECES (DIN)

- MA407** KHW10X Eyepiece, compensating, FN 20mm (included)
- MA406** HWF10X Eyepiece, High eyepoint, FN 18mm
- MA408** HWF15X Eyepiece, High eyepoint, FN 12.2mm
- MA409** HWF20X Eyepiece, High eyepoint, FN 9mm

OBJECTIVES (Infinity corrected)

- MA336** M4X/0.10 S. Plan, W.D. 20mm (included)
- MA330** M5X/0.10 S. Plan, W.D. 20mm
- MA337** M10X/0.25 S. Plan, W.D. 9.4mm (Included)
- MA338** M20X/0.40 S. Plan, W.D. 5.28mm
- MA339** M40X/0.65 S. Plan, W.D. 0.81mm (Included)
- MA344** M50X/0.70 S. Plan, W.D. 0.36mm
- MA349** LWD M50X/0.50 S. Plan, W.D. 6.0mm
- MA329** M60X/0.85 S. Plan, W.D. 0.38mm
- MA328** M100X/0.75 S. Plan, dry, W.D. 0.27mm

ACCESSORIES FOR MEASUREMENT

- MA415** Filar micrometer eyepiece 10X with inclined monocular head
- MA255** Eyepiece micrometer, 10mm into 100 parts for KHW10X
- MA256** Eyepiece micrometer, 5mm into 100 parts for KHW10X
- MA284** Eyepiece micrometer, crossline reticle for KHW10X
- MA285** Stage micrometer, 1mm into 100 units
- MA292** Metal stage micrometer, 1mm into 100 units

FILTERS 15mm diam. in mounts for use with Vertical Illuminator

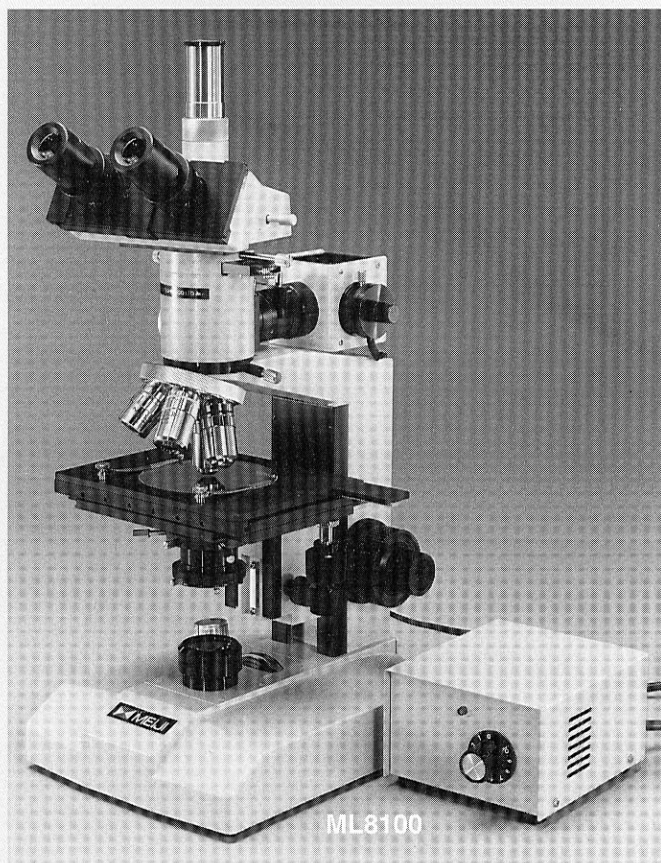
- MA475/05** Blue clear filter (included)
- MA476** Green clear filter (included)
- MA497** Polarizing filter (included)
- MA198** ND8 Neutral density filter (included)

FILTERS 29.8mm diam. for use in tray of Substage Condenser

- MA289/05** Blue clear filter (included)
- MA290/05** Green clear filter
- MA291** Polarizing filter
- MA196** ND2 Neutral density filter
- MA197** ND8 Neutral density filter

OTHER ITEMS

- MA326** Spare lamp 6V 30W halogen
- MA327** Fuse 3A
- MA701** Dust cover
- MA133S** Wooden cabinet with lock and key



ORDERING INFORMATION FOR ML8000 SERIES

※Your orders should always indicate your voltage for use.

Model	Body	Eyepiece	Objectives	Stage	Illuminator
ML8000	Binocular (Erect image)	KHW10X 20mm f.o.v	S. Plan M4X, M10X M20X, M40X	Mechanical Stage, 4"x4", with clear glass Plate	Vertical Koehler, 6V 30W Halogen & Transmitted Koehler, 6V 30W Halogen
ML8100	Trinocular				

Supplied in styrofoam case with dust cover and manual.

SIZE AND WEIGHT:

ML8000 : 227mm (W) x 415mm (D) x 472mm (H), 6.8Kg

ML8100 : 227mm (W) x 415mm (D) x 500mm (H), 6.9Kg

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