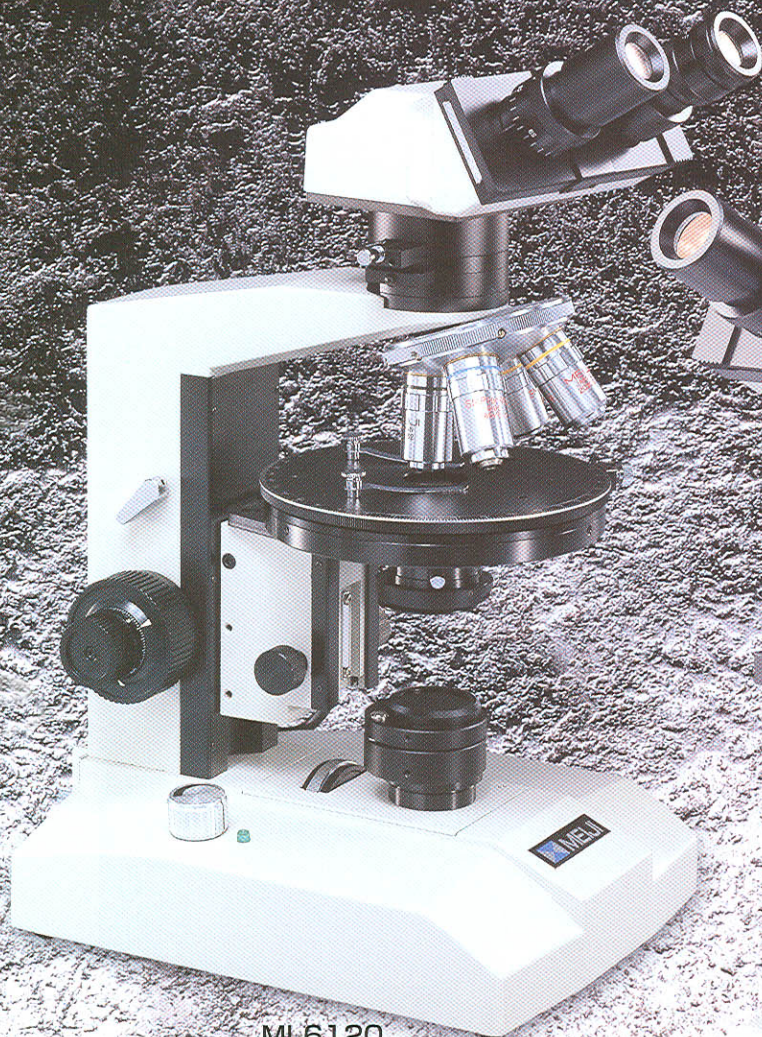




**PLM ASBESTOS
MICROSCOPES**
ML6100
series

**PCM ASBESTOS
MICROSCOPES**
ML6500
series



ML6120



ML6520



PLM ASBESTOS

MICROSCOPES FOR BULK FIBER IDENTIFICATION(NIOSH 9002)

ML6100 Series

Meiji Techno offers the ML6100 Series PLM (Polarized Light) Microscopes for Asbestos fiber identification applications.

Meiji manufactures these microscopes pursuant to NIOSH 9002 Reference methods.

Features

- Polarizing microscope, Binocular head with DIN standard eyepiece HWF10X and DIN focusing HWF10X-F eyepiece with crossline reticule, Trinocular head with beam-splitter.
- Centrabale quadruple nosepiece with SM Plan DIN strain free brightfield POL objectives 10X, 20X and 40X(S) and 10X central stop (dispersion staining objective).
- Rotatable stage with graduation 360°, with vernier.
- Strain free achromatic polarizing condenser NA 1.25 with iris, filter holder.
- Rotatable polarizer in swing-out mount, analyzer and Bertrand lens in sliding mount.
- Coaxial coarse and fine adjustment with graduation.
- Built-in Koehler illuminator with 6V 30W halogen lamp & variable intensity control.
- Compensator plate: First order red plate c.550nm.
- Blue daylight filter (MA289/05, 29.8mm diameter).
- Supplied with dust cover and operation manual in styrofoam case.



ML 6110



ML 6130



ML 6120

PLM Specifications

Model	Head	Eyepieces	Objectives	Stage	Condenser	Illumination
ML6110	Monocular	HWF10X-F DIN Focusing eyepiece with crossline reticle	SM Plan DIN strain free brightfield POL.10X, 20X, 40XS and 10X central stop dispersion staining objective	Rotatable stage with 360° graduations and vernier	Strain Free Achromatic condenser NA 1.25 with iris and filter holder	Koehler Illuminator 6V 30W halogen with variable intensity control.
ML6120	Binocular	HWF10X and HWF10X-F				
ML6130	Trinocular	DIN Focusing eyepiece with crossline reticle				



PCM ASBESTOS

MICROSCOPES FOR BULK FIBER COUNTING

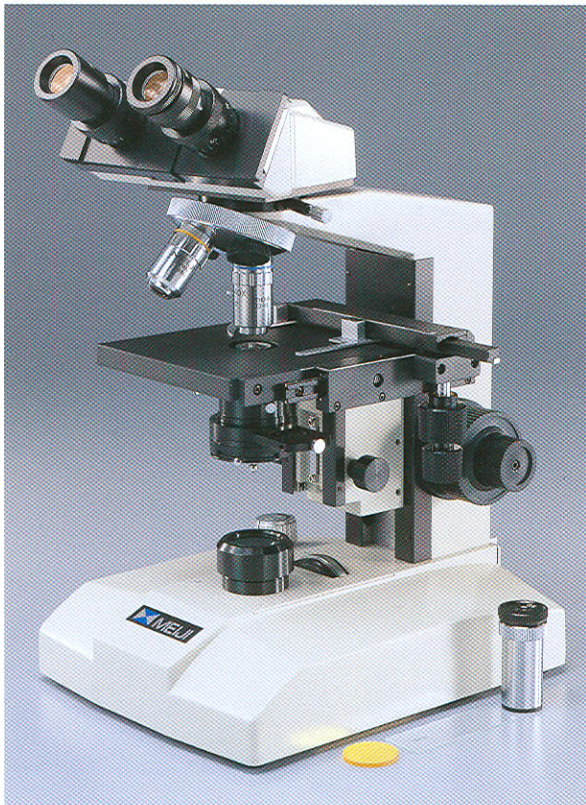
(FOR NIOSH 7400 AND OSHA ID 160 REFERENCE METHODS)

ML6500 Series

Meiji Techno offers the ML6500 Series PCM (Phase Contrast) Microscopes for Asbestos fiber counting applications. Meiji manufactures these microscopes pursuant to NIOSH 7400 and OSHA ID 160 Reference methods.

Features

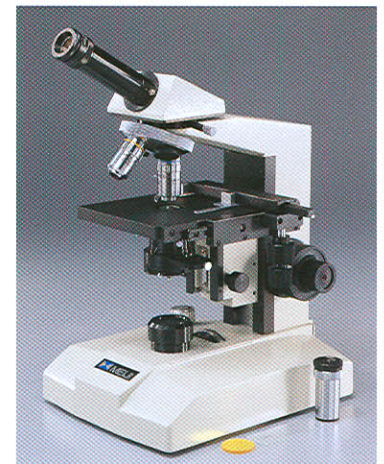
- Transmitted light binocular microscope with DIN standard eyepieces HWF12.5X and DIN HWF12.5X-F focusing eyepieces with Walton & Beckett reticle (Type G-22 with 3:1 aspect ratio), Trinocular head with beam-splitter.
- Quadruple nosepiece with SM Plan DIN brightfield objective 10X, and BF S. Plan Achromat Positive Phase contrast objective 40XS/N.A0.65.
- Mechanical X-Y stage with attached finger assembly.
- Achromatic condenser NA 1.25 with iris, filter tray and 40X positive phase annulus in sliding mount.
- Coaxial coarse and fine focus adjustment with graduation, reading 2 microns per division with tension adjustment and safety auto focus stop.
- Built-in Koehler illuminator with 6V 30W halogen lamp & variable intensity control.
- GIF (Green interference filter) 546nm, 29.8mm diameter.
- Centering telescope.
- Stage micrometer 1mm divided into 100 units (each division = 0.01mm).
- Supplied with dust cover and operation manual in styrofoam case.



ML 6520



ML 6530



ML 6510

PCM Specifications

Model	Head	Eyepieces	Objectives	Stage	Condenser	Illumination
ML6510	Monocular	HWF12.5X-F DIN Focusing eyepiece with Walton & Beckett reticle	SM Plan DIN brightfield 10X and BF S. Plan Achromat positive phase contrast objective 40XS NA.0.65	Mechanical X-Y stage with attached finger assembly	Achromatic condenser NA 1.25 with iris, filter tray and 40X positive phase annulus in sliding mount GIF (Green Interference Filter) 546nm, 29.8mmφ	Koehler Illuminator 6V 30W halogen with intensity control.
ML6520	Binocular	HWF12.5X and HWF12.5X-F				
ML6530	Trinocular	DIN Focusing eyepiece with Walton & Beckett reticle				

Components and Accessories

6100 series PLM ASBESTOS MICROSCOPES

Viewing Heads

- MA647** Binocular head, 30° inclination
(Included with ML6120)
- MA648** Trinocular head, 30° inclination
with 80/20 beam splitter with photo tube
(Included with ML6130)
- MA649** Monocular head, 30° inclination
(Included with ML6110)
- MA656** Binocular head, erect image type
- MA666** Trinocular head, erect image type
(left eyetube cut off when beam splitter used in position)

Eyepieces

- MA406** DIN HWF 10X eyepiece, FN 18mm (each)
- MA413CP** DIN focusing HWF10X-F eyepiece
with cross-line and guide pin (each)

POL Objectives

- MA641** SM Plan strain free objective 4X, NA : 0.10
- MA642** SM Plan strain free objective 10X, NA : 0.25
- MA642D** SM Plan 10X Dispersion Staining Objective
- MA643** SM Plan strain free objective 20XS, NA : 0.40
- MA644** SM Plan strain free objective 40XS, NA : 0.65
- MA645** SM Plan strain free objective 60XS, NA : 0.85
- MA646** SM Plan strain free objective 100XS, NA : 1.25 (oil)

Miscellaneous

- MA609/05** Wooden cabinet with lock and key for
ML6100 series microscopes
- MA299** Attachable mechanical stage for
ML6100 series microscopes
- MA326** Spare halogen bulb 6V 30W
- MA327** Fuse 3A
- MA285** Stage Micrometer, 1mm divided into 100 units
(Each division=0.01mm)
- MA470** First order red compensating plate
(20mm wide x 6mm thickness)
- MA471** Replacement Analyzer
- MA477** Replacement Bertrand lens
- MA665** Strain free achromatic polarizing condenser
N.A.1.25 with iris diaphragm
- MA712** Dust cover for ML6100 series microscopes

6500 series PCM ASBESTOS MICROSCOPES

Viewing Heads

- MA602** Binocular head, 30° inclination
(Included with ML6520)
- MA603** Trinocular head, 30° inclination
with 80/20 beam splitter with photo tube
(Included with ML6530)
- MA403** Monocular head, 30° inclination
(Included with ML6510)

Eyepieces

- MA489** DIN HWF 12.5X eyepiece, FN 15mm (each)
- MA488W** DIN focusing HWF12.5X-F eyepiece with
Walton & Beckett reticle

Eyepiece Micrometer

- MA254** Walton & Beckett reticle, 19mm diameter, 3:1 aspect ratio

Brightfield Objectives

- MA613** 10X/0.25 SM Semi Planachromat objective, WD : 6.23mm
- MA614** 20X/0.40 SM Semi Planachromat objective,
spring loaded, WD : 3.13mm

Phase Objective

- MA698** BF S.Plan Achromat Phase objective 40XS/NA.0.65

Phase-Centering Telescope

- MA458** Centering Telescope

Phase Condenser & GIF

- MA461/05** Strain Free Achromatic condenser N.A.1.25 with iris diaphragm,
filter tray and 40X phase annulus in sliding mount
- MA759** GIF (Green Interference Filter) 546nm, 29.8mm diameter

Miscellaneous

- MA609/05** Wooden cabinet with lock and key for
ML6500 series microscopes
- MA326** Spare halogen bulb 6V 30W
- MA327** Fuse 3A
- MA285** Stage Micrometer, 1mm divided into 100 units
(Each division = 0.01mm)
- MA712** Dust cover for ML6500 series microscopes

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