



**PLM ASBESTOS  
MICROSCOPES**

**ML6100**  
series

**PCM ASBESTOS  
MICROSCOPES**

**ML6500**  
series



ML6120



ML6520

**ISSCO**

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**MEIJI TECHNO**





# 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.

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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/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.
- 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

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### 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 DIN Focusing eyepiece with Walton & Beckett reticle				
ML6530	Trinocular					



# 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
- MA656 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 HWF 10X-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 HWF 12.5X-F eyepiece with  
Walton & Beckett reticle

### Eyepiece Micrometer

- MA254 Walton & Beckett reticle, 18mm 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

- MA481/05 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

Agent :

# ISSCO

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