

## ***Polarizing Microscopes MX9000 Series***

Meiji Techno's brand new transmitted and incident light polarized microscopes are the **MX9000 Series**. The MX9000 Series employs all new and improved strain free S.Plan optics. Meiji Techno's **ICOS™** (Infinity Corrected Optical System) makes the study of thin sections and other mounted samples fast and easy while delivering an excellent cost-to-performance ratio. The MX9000 Series features include:



- Computer Aided Design
- Ergonomically positioned controls
- Comfortable Siedentopf viewing heads
- 30W Transmitted Koehler Halogen Illuminator
- 30W Vertical Incident Koehler Halogen Illuminator (MX9420 & MX9430)
- Strain Free Optics Throughout
- **Brightfield and Polarized Light** observation modes
- **Optional Point Counting Stage**

### **VIEWING HEADS**

Model MA952 is the Siedentopf-type binocular head and Model MA953 is the trinocular head for camera integration. Each head has the 23.2mm eyetubes inclined at 30 degrees with the left eyetube having graduated diopter settings.

The interpupillary distance is adjustable between 53mm - 75mm. An 80/20 beamsplitter for the trinocular tube can be engaged for photo work.

Each head has the new integrated reticle angle compensation system. When the IP distance or number is changed, the crossline reticle remains perpendicular in the FOV.

### **EYEPIECES**

10X Widefield High Eyepoint eyepieces F.N.20 are standard. A Widefield High Eyepoint 10X focusable eyepiece that has a 21mm crossline reticle and guide pin is also available.

### **OBJECTIVE CHANGER**

The smooth-operating, ball bearing mounted, quintuple nosepiece provides effortless objective changes.



## **OBJECTIVES**

Meiji Techno offers an assortment of S. Planachromat Infinity Corrected objectives for Transmitted Light or Incident Light .

## **STAGE**

Ceramic coated 360 degree rotatable fully indexed stage with vernier and stage clips.

## **CONDENSER**

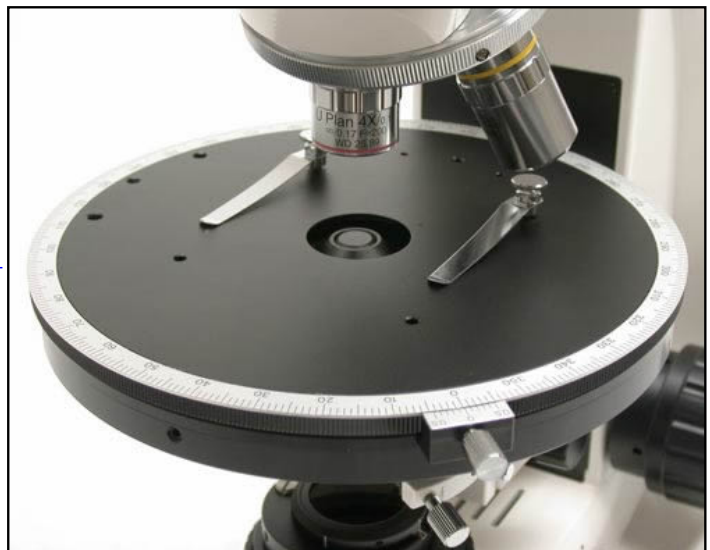
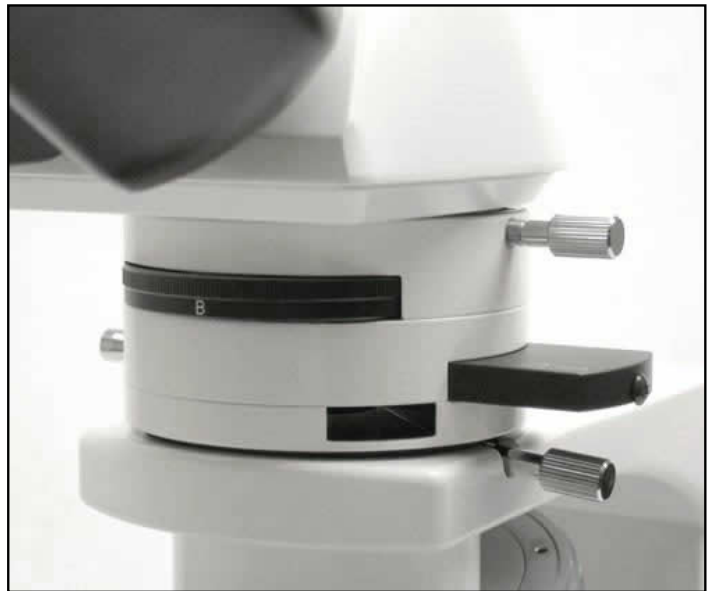
All new Strain Free Abbe N.A. 1.25 condenser with iris in dovetail mount.

## **ILLUMINATION**

Powerful 30 watt Koehler halogen illumination in either transmitted and/or vertical incident, provides enhanced image quality and brightness for the observation of specimens.

## **POLARIZING ACCESSORIES**

All MX9000 Series come standard with 1/4 wave plate, Bertrand lens and first order red plate. Optional Senarmont compensator and quartz wedges are available along with attachable point counting stage.



Point Counting Stage



Changable Knobs  
0.1mm  
0.2mm  
0.5mm

MA945



### MX9000 Series Transmitted Brightfield Models

Model	Head	Illumination	Eyepieces	Objectives	Stage	Condenser
MX9200	Bino.	Transmitted 30W Koehler	KHWF10XCP FN20	Strain Free S. Plan 4x, 10x, 40xS	Rotatable 360 degree, graduated with vernier	Strain Free Abbe NA 1.25 with iris in dovetail mount
MX9300	Trino.					

### MX9400 Series Incident and Transmitted Brightfield Models

Model	Head	Illumination	Eyepieces	Objectives	Stage	Condenser
MX9420	Bino.	Transmitted 30W Koehler & 30W Vertical Koehler Incident	KHWF10XCP FN20	Strain Free S. Plan 4x, 10x, 40xS	Rotatable 360 degree, graduated with vernier	Strain Free Abbe NA 1.25 with iris in dovetail mount
MX9430	Trino.					

### MX9000 Series Components & Accessories

#### Viewing Heads

Part Number	Description
MA952	Siedentopf-type binocular head, 23.2mm eyetubes inclined at 30 degrees with the left eyetube having graduated diopter settings.
MA953	Siedentopf-type trinocular head, 23.2mm eyetubes inclined at 30 degrees with the left eyetube having graduated diopter settings.

#### Eyepieces

Part Number	Description
MA407	KHW10XCP compensating 23.2mm eyepiece, FN20 (standard) (accepts 19mm reticle)
MA407CP	KHF10X-F; 23.2mm focusing eyepiece, FN20 with crossline (optional) (accepts 21mm reticle)

**Strain Free S. Plan Objectives for Transmitted Light - Infinity Corrected - F = 200mm**

MA935	Strain Free S.Planachromat 4X objective, NA: 0.10, WD = 15.3mm (included)
MA936	Strain Free S.Planachromat 10X, objective, NA: 0.25, WD = 7.3mm (included)
MA937	Strain Free S.Planachromat 20X objective, NA: 0.73, WD = 5.0mm (optional)
MA938	Strain Free S.Planachromat 40XS objective, NA: 0.65, WD = 0.72mm (included)
MA939	Strain Free S.Planachromat 60XS objective, NA: 0.85, WD = 0.2mm (optional)
MA940	Strain Free S.Planachromat 100XS oil objective, NA: 1.25, WD = 0.14mm (optional)

**Strain Free S. Plan Objectives for Incident Light- Infinity Corrected - F = 200mm**

MA935	Strain Free S.Planachromat 4X objective, NA: 0.10, WD = 15.3mm (included)
MA936	Strain Free S.Planachromat 10X, objective, NA: 0.25, WD = 7.3mm (included)
MA947	Strain Free S.Planachromat 20X objective, NA: 0.40, WD = 5.2mm (optional)
MA948	Strain Free S.Planachromat 40XS objective, NA: 0.65, WD = 0.81mm (optional)

**Components & Accessories**

MA299	Attachable Mechanical Stage (option)
MA945	Attachable Point Counting Mechanical Stage (optional)
MA469/05	1/4-wave test plate in DIN sliding mount (included)
MA470/05	First Order Red Compensating Plate in DIN sliding mount (included)
MA471/05	Replacement Analyzer in sliding mount (included)
MA477/05	Replacement Bertrand Lens in sliding mount (included)
MA954	Strain Free Abbe Condenser N.A. 1.25 with iris diaphragm (included)
MA809/10	Replacement 115V AC Power cord with plug (USA)
MA809/20	Replacement 220V AC Power cord with plug (Eurocord)
MA809/30	Replacement 240V AC Power cord with plug (UK)
MA326	Spare bulb for illuminator, 6V, 30W
MA327	Spare fuse for halogen illuminator, 3A
MA961	Wooden Storage Cabinet with lock and key (option)
MA711	Dust Cover (included)
MA905	Interference Color Chart (option)
MA654/05	Quartz Wedge 6 order (option)
MA654/05N	Quartz Wedge 6 order graduated (option)
MA945	Point Counting Stage for MX9000 Series (option) (does not fit ML Series stages)
MA956	Rotatable Analyzer in sliding mount, 360 degree graduated (option)
MA955	6V 30W Vertical Koehler Illuminator (included with MX9420 & MX9430)
MA927/05	Power Supply for MA955 Vertical Illuminator 100 - 260VAC (included with MX9420 & MX9430)
MA200	Eyeshield (ea) for MA407 10x eyepieces (included)
MA946	Stage Clips (pair) (included)