

MT4000 Series Biological microscope

- ➤ Compact space saving footprint
- ➤ Infinity corrected optical system (ICOSTM) with all newly designed optics
- ➤ Comfortable Siedentopf-type binocular and trinocular viewing heads
- > Optional ergonomic tilting binocular head adjustable vertically from 10 to 50
- > Ceramic coated stage with ergonomically placed low position drop down control
- > Low positioned ergonomic coaxial focus control
- > Smooth operating ergonomic quintuple nosepiece
- > Brightfield and phase contrast observation modes available
- ➤ Super bright LED Koehler illumination
- ➤ Integrated 30-watt halogen Koehler transmitted illumination system on selected brightfield and phase contrast models
- ➤ Abbe and Zernike phase contrast condensers available
- Integrated automatic voltage sensing power supply with localized power cordset transmitted light models
- ➤ Wide range of filters and accessories



Specification							
Model	Body	Objectives	Eyepieces	Stage	Condenser	Illuminator	
MT4200L	Binocular	Plan: 4X, 10X, S40X,	KHW10X	Ceramic Coated	Abbe type	LED illuminator	
MT4300L	Trinocular	S100X oil	F.N.20	Flat-top	N.A.1.25	Koehler	
MT4200H	Binocular		(O.D.23.2mm)		Abbe type	6V 30W halogen	
MT4300H	Trinocular				N.A.1.25 with blue filter	Koehler	
MT4210L	Binocular	Plan: 4X,			Zernike type	LED illuminator	
MT4310L	Trinocular	S Plan phase: 10X,			Phase N.A.1.25	Koehler	
MT4210H	Binocular	S40X with centering			With green filter	6V 30W halogen	
MT4310H	Trinocular	telescope				Koehler	

Supplied in Styrofoam case with dust cover and instruction manual.

Left hand control mechanical stage is optional. Plaease indicate the letter "-L" after the model number when ordering the MT4000 Series microscope with left hand control mechanical stage. For instance, MT4200-L

MT5000 Series Biological Microscope

- ➤ Super widefield 10X high eyepoint eyepieces, F.N.22 are standard
- > Available with comfortable Siedentopf type binocular or trinocular viewing
- > Tilting ergonomic binocular head adjustable vertically from 10 ~ 50 (Optional)
- > Smooth-operating ball bearing quintuple nosepiece provides effortless objective changes
- > New improved U. Plan infinity corrected objectives
- > 191mm X 128mm ceramiccoated left or right-handed, flat top mechanical stage
- Newly designed Abbe 1.25 N.A. condenser in quick change dovetail mount
- > Choice if LED or 30 watt halogen illumination woth automatic voltage sensing power supply
- > New inproved design, smooth operatinf adjustablefield iris
- > Brightfield, darkfield, phase contrast and polarized light modes available



Opecinication							
Model	Body	Objective	Eyepieces	Condenser	Illuminator		
MT5200L	Binocular	U Plan: 4X, 10X, S40X,	SWH10X	Abbe	LED Koehler		
MT5300L	Trinocular	S100X oil	F.N.22	N.A.1.25			
MT5200H	Binocular		(O.D.30mm)		30Whalogen Koehler		
MT5300H	Trinocular				-		
Specification							
Model	Body	Objectives	Eyepieces	Condenser	Illuminator		
MT5210L	Binocular	U Plan Phase: Ph10X,	SwH10X	Zernike	LED Koehler		
MT5310L	Trinocular	Ph20X, Ph40X, Oh100X	F.N.22	type			
MT5210H	Binocular	oil	(O.D.30mm)	Phase	30W halogen Koehler		
MT5310H	Trinocular			N.A.1.25	Illuminator		
NOTE: All phase contrast models include centering telescope (O.D. 30mm)							

Specification



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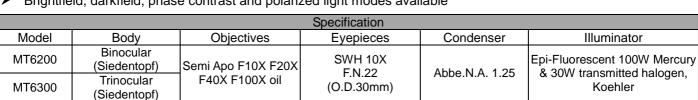


MT6000 Series Epi-Fluorescent Laboratory Microscopes

The Meiji Techno MT6000 Series epi-fluorescent laboratory microscope have been designed as versatile, modular, ergonomic microscope systems which are ideally suited for use in research, or advanced laboratory applications. Ergonomic placement of controls allows for stress free operation, increased efficiency and maximum productivity.

The MT6000 series offers superior fluorescent images with an emphasis on newly engineered high performance optics based on Meiji Techno's ICOS Optical System (Infinity Corrected Optical System).

- Super widefield 10X high eyepoint eyepieces, F.N.22 are standard
- Available with comfortable Siedentopf type binocular or trinocular head
- Tilting ergonomic binocular head adjustable vertically from 10 ~ 50. (Optional)
- New improved Semi Apo Plan infinity corrected objectives for fluorescent imaging.
- Modular six position epi-fluorescent illuminator with six blank positions for filter
- Basic blue, green and excitation filter sets mounted in filter cubes included in all MT6000 models
- Lamphouse for use with 100W Mercury arc lamps
- 191mm X 128mm ceramic coated left or right-handed, flat top mechanical stage
- Newly designed Abbe 1.25N.A. condenser in quick change dovetail mount
- 30 watt halogen illumination with automatic voltage sensing power supply for transmitted light use
- New improved design, smooth operating, adjustable field use
- Brightfield, darkfield, phase contrast and polarized light modes available



Accessories

35mm photomicroscopy

following three accessories are required for mounting a 35mm SLR camera body

One of two MA150 series camera attachments:

MA150/50 Straight-tube camera attachment

MA150/60 Camera attachment with built-in focusing eyepiece

A photo eyepiece, available in the following magnifications:

MA512 -2.5X magnification

MA500 -3.3X magnification (with reticle mount)

MA508 -5X magnification

The photo eyepiece performs the same function as a standard 35mm camera lens (i.e. focusing the image at the plane of the film)

T-2 adapter ring for SLR camera body



Photo eyepiece







MA150/50





DK3000 CK3900

CCD Video & USB 2.0 Digital Cameras

CK3100N -CCD Color TV camera. 1/3"CCD, 450TV lines of resolution, NTSC system with DC 12V adapter CK3100P -CCD Color TV camera. 1/3"CCD, 450TV lines of resolution, PAL system with DC 12V adapter CK3900N -CCD Color TV camera. 1/2"CCD, 450TV lines of resolution, NTSC system with DC12V adapter CK3900P -CCD Color TV camera. 1/2" CCD,450TV lines of resolution, PAL system with DC12V adapter

DK3000 -3.0 megapixel, color digital video microscopy camera with high speed USB 2.0 interface, 1/2 format 6.5mmX 4.9mm image sensor with 2048 X 1536 resolution



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ML2000 Series Biological Microscope

- Available with standard binocular heads or trinocular heads:
- Inclined at 30, rotatable through 360
- Dual graduated diopter eyetubes with interpupillary adjustments of 52mm to 72mm
- Paired DIN KHW10X with 20mm field of view, 22mm eye relief
- Smooth operating, revolving quadruple ball bearing nosepiece
- S. Flat Achromats: 4X, 10X, S40X and S100X (oil)(DIN)
- Two types of stages are available: The attached stage is a 120mm X 140mm rectangular mechanical stage with movements of 75mm (X) and 40mm (Y) and is graduated with vernier readings to 0.1mm, equipped with low-positioned drop-down coaxial controls The flat-top stage is a 171mm X 140mm rectangular stage with movements of 80mm (X) and 52mm (Y) and is drop-down coaxial controls and a detachable specimen guide
- Coaxial coarse and fine focusing controls with graduation reading 2 microns per division. Incorporates tension adjustment and safely Auto-focus stop unit
- A 6V 30W halogen lamp with a variable intensity controls is provided as standard equipment
- Optional accessory: eyepieces



ML2200 binocular biological microscope



eyepiece

Specification						
Model	Body	Eyepieces	Objectives (DIN)	Mechanical stage	Condenser	Illuminator
ML2200	Binocular	KHW10X,	SM Semi Plan 4X, 10X,	Attached (right	Achromatic N.A. 1.25	Koehler 6V 30W
ML2300	Trinocular	20mm f.o.v.	S40X, S100X oil	hand control)	with Blue filter	Halogen

TC5000 Series Inverted Biological Microscope

All microscopes come standard with an infinity corrected optical design Optical

(F=200)System:

Viewing Units are supplied with either a standard Siedentopf type binocular head Heads: inclined at 30 or a trinocular Siedentopf head inclined at 45. Interpupillary distance is adjustable from 53mm to 75mm. A graduated diopter adjustment

is provided as a standard feature on the left eye-tube of all units.

Paired SWH10X, widefield, high eye-point eyepieces, F.N 22, with a 25mm **Eyepieces:**

reticle mount is standard on all units. Optional SWH15X, SWH20X and

SWH10X-F focusing eyepieces are available

Nosepiece: Quintuple, side facing nosepiece, with positive precision click stops

Objectives: TC Planacromat, TC Planachromat Phase or TC Planachromat fluorescence

objectives are provided on respective models

Plain Stage: A 180mm(X) X 245mm(Y) plain stage with replaceable glass insert with 45mm

Illumination: All units come equipped with a 6V/30W halogen lamp. An aspheric condenser

lens, a diffusion filter and heat absorbing filter are also incorporated into the lamphouse. A lever type iris diaphragm is provided for aperture control

All microscopes come equipped with an EKWD (extra long working distance) condenser, N.A.0.30, W.D.73mm. Condenser:

> Optional condenser: N.A.0.55, W.D.20.5mm is available for more demanding work with 40X objectives All models are equipped with a front mounted camera port suitable for CCD, 35mm, or digital cameras. Optional

camera adapters are available to facilitate a wide range of camera and video equiopment

	Specification						
Model	Body	Objectives	Eyepiece(s)	Condenser	Illuminator		
TC5100	Binocular	TC Plan LWD 10X	SWH10X (F.N.22)	N.A.0.30			
TC5200	Trinocular	TC Plan LWD 20X	(2pcs)	W.D.73mm	Kaahlar by 61/2011		
TC5300	Binocular	TC Plan Phase	SWH10X (F.N.22)	N.A.0.30	Koehler by 6V 30W Halogen, w/o Iris		
TC5400	Trinocular	LWD 10X LWD 20X	(2pcs) [Centering Telescope]	W.D.73mm w/Phase annuli on Slider	rialogeri, w/o iris		
TC5500	Binocular	TC Plan Fluorescent LWD 10X	SWH10X (F.N.22) (2pcs)	N.A.0.30 W.D.73mm	Koehler by 6V30W Halogen, w/o Iris Epi-Fluorescent Attachment		
TC5600	Trinocular	LWD 20X			Mercury 100W Blue and Green Excitation filter sets		



Photo port:

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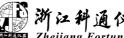
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