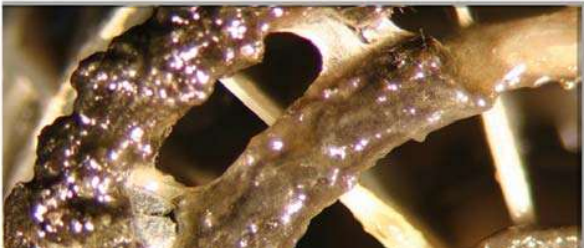


MICROSCOPES | COMPONENTS | OPTICAL SOLUTIONS | ACCESSORIES



About MEIJI TECHNO

One of the world's best in microscopy

In 1964 Azuma Optics Co., Ltd. was founded as a contract manufacturer of microscopes and quickly established a reputation for high quality and fast delivery. In 1975, the company was re-founded as Meiji Techno Co., Ltd. and commenced with direct sales of their microscopes.

Originally a manufacturer of educational microscopes, Meiji Techno Co., Ltd. has since extended their product line into the industrial, laboratory, and higher education markets. The products are sold throughout the world by agents who deal directly with Meiji Techno Co. Ltd., and an American subsidiary Meiji Techno America.

For the Austrian market, as well as for Germany, Poland, Czech Republic, Slovakia, Slovenia, Serbia, Montenegro, Croatia, Hungary, France, Spain, Swiss, Norway, Sweden, Turkey, Netherlands we, company MICROS, are responsible. No matter where you are located or what your requirements are, Meiji Techno has the products and MICROS the expertise to help you to attain your microscopy goals.

10 reasons to say YES to MEIJI!

- **Quality**
- **Made in Japan**
- **Mission on Vision**
- **Individual Solution**
- **Precision**
- **Variation**
- **Individual Support**
- **Promise of Delivery**
- **Spare parts for 10 years**
- **Experience**



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Life Science Microscopes

MEIJI TECHNO MT4000 Series

Heads

Siedentopf-type binocular head or trinocular head for camera integration. Each head has the eyetubes inclined at 30° with the left eyetube having graduated diopter settings. Interpupillary distance is adjustable between 53mm - 75mm. An 80/20 beamsplitter for the trinocular tube can be engaged for photo work.

Optional ergonomic binocular viewing head available, inclination from 10° to 50°

Eyepieces

10X Widefield High Eyepoint eyepieces F.N.20 are standard, and 15X and 20X eyepieces are available as an option. A Widefield High Eyepoint 10X focusable eyepiece that accepts 21mm reticules is also available.

Objectives

Infinity Corrected Plan Achromate objectives for Brightfield, Darkfield and Phase Contrast observation.

Koehler Illumination

LED or 6 voltage 30 watt Halogen for Brightfield and Phase Contrast models.

Brightfield, Darkfield and Phase Contrast observation



MT4000 Series Brightfield Models

Model	Head	Eyepieces	Objectives	Stage	Condenser	Illumination
MT4200L	Binocular	KHW 10x/20	INFINITY CORRECTED Plan Achromate	Ceramic Coated fixed flat-top with right- or left hand low drive controls	Abbe NA 1.25 with iris, blue filter	LED
MT4300L	Trinocular		4/0.10 C.C. 0.17 mm			
MT4200H	Binocular		10/0.25 C.C. 0.17 mm			Koehler 6V 30W Halogen
MT4300H	Trinocular		40/0.65 C.C. 0.17 mm			
			100/1.25 oil C.C. 0.17 mm			

MT4000 Series Phase Contrast Models

Model	Head	Eyepieces	Objectives	Stage	Condenser	Illumination
MT4210L	Binocular	KHW 10x/20	INFINITY CORRECTED Semi Plan Achromate Phase	Ceramic Coated fixed flat-top with right- or left hand low drive controls	Zernike type Phase N.A 1.25 with iris, green filter	LED
MT4310L	Trinocular		10/0.25 Ph C.C. 0.17 mm			
MT4210H	Binocular		20/0.40 Ph C.C. 0.17 mm			Koehler 6V 30W Halogen
MT4310H	Trinocular		40/0.65 Ph C.C. 0.17 mm			
			100/1.25 oil Ph C.C. 0.17 mm			

Life Science Microscopes

MEIJI TECHNO MT5000 Series

Heads

Siedentopf-type binocular head or the trinocular head for camera integration. Interpupillary distance is adjustable between 53mm - 75mm. An 80/20 beamsplitter for the trinocular tube can be engaged for photo work. Optional Ergonomic Viewing Head has the inclination adjustable from 10° to 50°

Eyepieces

10X Super Widefield High Eyepoint eyepieces F.N.22 are standard, and 15X and 20X eyepieces are available as an option. A Super Widefield High Eyepoint 10X focusable eyepiece that accepts 25mm reticules is also available.

Objectives

Infinity Corrected Plan Achromate objectives for Brightfield, Darkfield and Phase Contrast observation.

Condenser

Abbe 1.25 NA Condenser with iris diaphragm in dovetail mount

Koehler Illumination

LED or 6 voltage 30 watt Halogen for Brightfield and Phase Contrast models.



MT5000 Series Brightfield Models

Model	Head	Eyepieces	Objectives	Stage	Condenser	Illumination
MT5200L	Binocular	SWH 10x/22	INFINITY CORRECTED U Plan Achromate	Ceramic Coated fixed flat-top with right- or left hand low drive controls	Abbe NA 1.25 with iris, blue filter	LED
MT5300L	Trinocular		4/0.10 C.C. 0.17 mm			
MT5200H	Binocular		10/0.25 C.C. 0.17 mm			
MT5300H	Trinocular		40/0.65 C.C. 0.17 mm			100/1.25 oil C.C. 0.17 mm

MT5000 Series Phase Contrast Models

Model	Head	Eyepieces	Objectives	Stage	Condenser	Illumination
MT5210L	Binocular	SWH 10x/22	INFINITY CORRECTED U Plan Achromate Phase	Ceramic Coated fixed flat-top with right- or left hand low drive controls	Zernike Type NA 1.25 with iris, green filter	LED
MT5310L	Trinocular		10/0.25 Ph C.C. 0.17 mm			
MT5210H	Binocular		20/0.40 Ph C.C. 0.17 mm			
MT5310H	Trinocular		40/0.65 Ph C.C. 0.17 mm			100/1.25 oil Ph C.C. 0.17 mm

Fluorescence Microscope

MEIJI TECHNO MT6000 Series

Heads

Siedentopf-type binocular head or trinocular head for camera integration. Interpupillary distance is adjustable between 53mm - 75mm. An 80/20 beamsplitter for the trinocular tube can be engaged for photomicroscopy; 100% to eyetubes or 80% to phototube & 20% to the eyetube. Optional Ergonomic Viewing Head has, inclination from 10° to 50°

Eyepieces

10X Super Widefield High Eyepoint eyepieces F.N.22

Objectives

Infinity Corrected Plan Semi Apochromat objectives for Fluorescence observation and U Plan Achromate objectives for Brightfield, Darkfield, Phase Contrast and Polarized observation

Condenser

Abbe condenser NA 1.25 with iris in dovetail mount is included. Optional condensers include a Zernike Phase Contrast Condenser NA 1.25 with iris in dovetail mount and immersion Darkfield condenser

Koehler Illumination

6 voltage 30 watt Halogen Transmitted- and/or HBO 100 watt Mercury Reflected illuminator

Brightfield, Darkfield, Phase Contrast, Polarized Light and Reflected Fluorescence

Six Position Fluorescence Module with three filter cubes included



MT6300H

MT6000 Series Reflected Fluorescent Models

Model	Head	Eyepieces	Objectives	Stage	Condenser	Illumination
MT6200H	Binocular	SWH 10x/22	INFINITY CORRECTED Plan Semi Apochromate F 10/0.40 C.C.0.17 mm F 20/0.65 C.C.0.17 mm	Ceramic Coated fixed flat-top with right- or left hand low drive controls	Abbe NA 1.25 with iris, blue filter	HBO 100W Mercury Burner and Transmitted Koehler 30W Halogen
MT6300H	Trinocular		F 40/0.82 C.C.0.17 mm F 100/1.25 oil C.C.0.17 mm			

Inverted Life Science Microscope

MEIJI TECHNO TC5000 Series

Heads

Siedentopf-type binocular head or Siedentopf-type trinocular head. Each microscope head has the eyetubes inclined at 30 degrees with the left eyetube having graduated diopter settings. Interpupillary distance 53mm - 75mm. Optional ergonomic binocular head is also available.

Eyepieces

10X Super Widefield High Eyepoint eyepieces are standard and 15X and 20X eyepieces are also available as an option. A Super Widefield High Eyepoint 10X focusable eyepiece that accepts standard 25mm reticules is also available.

Objectives

Infinity Corrected Plan Achromate objectives for Brightfield and Phase Contrast and TC Plan Achromate F for Fluorescence observation

Condenser

Long working TC Condenser ELWD NA 0.30 WD 73mm or TC Condenser2 NA 0.55 WD 20.5mm optional

Koehler Illuminator

6 voltage 30 watt Halogen Transmitted – and HBO 100 watt Mercury Reflected illuminator



TC Series Brightfield and Phase Contrast Models

Model	Head	Eyepieces	Objectives	Stage	Condenser	Illumination
TC5100 BF	Binocular	SWH 10X/22	INFINITY CORRECTED TC Plan Achromate 10/0.25 C.C. 1.0 mm 20/0.40 C.C. 1.0 mm	Plain Fixed Stage 180mm X 247mm	TC Condenser NA 0.30 WD73mm	Koehler 6V 30W Halogen
TC5200 BF	Trinocular					
TC5300 PH	Binocular		INFINITY CORRECTED TC Plan Achromate Phase 10/0.25 Ph C.C. 1.0 mm 20/0.40 Ph C.C. 1.0 mm		TC Condenser NA 0.30 WD73mm with phase slider	
TC5400 PH	Trinocular					

TC Series Reflected Fluorescence Models

Model	Head	Eyepieces	Objectives	Stage	Condenser	Illumination
TC5500	Binocular	SWH 10X/22	INFINITY CORRECTED TC Plan Achromate F 10/0.30 C.C. 1.0 mm F 20/0.40 C.C. 1.0 mm	Plain Fixed Stage 180mm X 247mm	TC Condenser NA 0.30 WD73mm	HBO 100W Mercury Burner and Koehler 6V 30W Halogen
TC5600	Trinocular					

Brightfield Material Science Microscopes

MEIJI TECHNO MT7000 Series

The **Infinity Corrected Optical System** makes the observation of material specimens fast and easy.

Heads

Siedentopf-type binocular head or trinocular head for camera integration. Eyetubes inclined at 30° 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. **Optional Ergonomic Viewing Head available**, inclination from 10° to 50°

Eyepieces

10X Super Widefield High Eyepoint eyepieces F.N.22 are standard, and 15X and 20X eyepieces are available as an option

Objectives

Infinity Corrected Reflected Plan Achromate objectives for Brightfield and Darkfield observation

Stage

Ceramic coated flat top stage measures 191mm x 126mm with x-y travel: 100mm(X) x 100mm(Y). Ergonomically positioned low drive control

Koehler Illumination

Powerful 6 voltage 30 watt Halogen illumination provides enhanced image quality and brightness for the observation of material specimens



Model	Head	Eyepieces	Objectives	Stage	Illumination
MT7000	Binocular	SWH 10x/22	INFINITY CORRECTED Plan Achromate EPI 5x/0.10 W.D. 20.0 mm EPI 10x/0.25 W.D. 5.20 mm	Ceramic Coated Fixed Flat-top left or right low drive control	Reflected Koehler 6V30W Halogen
MT7100	Trinocular		EPI 20x/0.40 W.D. 5.20 mm EPI 50x/0.75 W.D. 0.38 mm		

Brightfield Material Science Microscopes

MEIJI TECHNO MT8000 Series

MT8000 Series features the **Plan Episcopic optical System** and the **Infinity Corrected Optical System** makes the observation of material specimens fast and easy

Heads

Siedentopf-type binocular head or trinocular head for camera integration. Eyetubes inclined at 30° 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. Optional Ergonomic Viewing Head available with a variable inclination from 10° to 50°

Eyepieces

10X Super Widefield High Eyepoint eyepieces F.N.22 are standard, and 15X and 20X eyepieces are available as an option. A Super Widefield High Eyepoint 10X focusable eyepiece that accepts 25mm reticules is also available

Objectives

Meiji Techno offers Infinity Corrected Reflected Plan Achromate objectives for Brightfield observation

Stage

Ceramic coated flat top stage measures 191mm x 126mm with x-y travel: 100mm(X) x 100mm(Y). Ergonomically positioned low drive control

Koehler Illumination

6 voltage 30 watt Halogen Reflected- or/and 6 voltage 30 watt Halogen Transmitted illumination - with auto voltage sensing power supply



MT8100

Model	Head	Eyepieces	Objectives	Stage	Illumination
MT8000	Binocular	SWH 10x/22	INFINITY CORRECTED Plan Achromate	Ceramic Coated Fixed Flat-top left or right low drive control	Reflected Koehler 6V30W Halogen or 6V30W Transmitted Koehler 6V30W Halogen
			EPI 5x/0.10 W.D. 20.0 mm		
EPI 10x/0.25 W.D. 5.20 mm					
EPI 20x/0.40 W.D. 5.20 mm					
MT8100	Trinocular		EPI 50x/0.75 W.D. 0.38 mm		

Brightfield/Darkfield Material Science Microscopes

MEIJI TECHNO MT7500 Series

Brightfield/Darkfield **reflected light microscope** with **Infinity Corrected Optical System** makes the observation and evaluation of material specimens fast and easy.

Heads

Siedentopf-type binocular head or trinocular head for camera integration. Each head has the eyetubes inclined at 30° with the left eyetube having graduated diopter settings. Interpupillary distance is 53mm - 75mm. An 80/20 beamsplitter for the trinocular tube can be engaged for photo work. **Optional Ergonomic binocular viewing head available, inclination adjustable from 10° to 50°**

Eyepieces

10X Super Widefield High Eyepoint eyepieces F.N.22 are standard, and 15X and 20X eyepieces are available as an option. A Super Widefield High Eyepoint 10X focusable eyepiece that accepts 25mm reticules is also available.

Objectives

Infinity Corrected Reflected Plan Achromate objectives for Brightfield, Darkfield and simple Polarizing observation

Koehler Illumination

12 voltage 50 watt Halogen Reflected illuminator with auto sensing power supply

Reflected Light Brightfield/Darkfield and Simple Polarized light observation

Also available:

Brightfield and Darkfield objective – Infinity corrected Plan EPI BD 100x/0.90 W.D. 0.5 mm

Erect Image Trinocular Head



Model	Head	Eyepieces	Objectives	Stage	Illumination
MT7520	Binocular	SWH 10x/22	INFINITY CORRECTED BD Plan Achromate EPI 5x/0.10 W.D. 17.0 mm EPI 10x/0.25 W.D. 7.48 mm	Ceramic Coated Fixed Flat-top left or right low drive control	Reflected Koehler 12V50W Halogen
MT7530	Trinocular		EPI 20x/0.40 W.D. 5.20 mm EPI 50x/0.75 W.D. 0.38 mm		

Brightfield/Darkfield Material Science Microscopes

MEIJI TECHNO MT8500 Series

Reflected and transmitted light microscope with Brightfield/Darkfield features **Plan Episcopic optical system** and **Infinity Corrected Optical System** to make the observation of material specimens fast and easy.

Heads

Siedentopf-type binocular head or trinocular head for camera integration. Each head has the eyetubes inclined at 30° with the left eyetube having graduated diopter settings. Interpupillary distance 53mm - 75mm. An 80/20 beamsplitter for the trinocular tube can be engaged for photo work. **Optional Ergonomic Viewing Head has the inclination adjustable from 10° to 50° to fit any size user.**

Eyepieces

10X Super Widefield High Eyepoint eyepieces F.N.22 are standard, and 15X and 20X eyepieces are available as an option. A Super Widefield High Eyepoint 10X focusable eyepiece that accepts 25mm reticules is also available.

Objectives

Infinity Corrected Reflected Plan Achromate objectives for Brightfield and Darkfield, also Simple Polarized observation

Koehler Illumination

12 voltage 50 watt Halogen Reflected illuminator and/or 6 voltage 30 watt Halogen Transmitted illuminator - with auto voltage sensing power supply

Reflected Brightfield, Darkfield and Simple Polarized light observation

Also available:

Brightfield and Darkfield objective – Infinity corrected Plan EPI BD 100x/0.90 W.D. 0.5 mm

Erect Image Trinocular Head



Model	Head	Eyepieces	Objectives	Stage	Illumination
MT8520	Binocular	SWH 10x/22	INFINITY CORRECTED BD Plan Achromate EPI 5x/0.10 W.D. 17.0 mm EPI 10x/0.25 W.D. 7.48 mm	Ceramic Coated Fixed Flat-top left or right low drive control	Reflected Koehler 12V50W Halogen or Transmitted Koehler 6V30W Halogen
MT8530	Trinocular		EPI 20x/0.40 W.D. 5.20 mm EPI 50x/0.75 W.D. 0.38 mm		

Inverted Material Science Microscope

MEIJI TECHNO IM7000 Series

IM7000 features an integrated front mounted camera port with adapters available for 35mm, CCD, CMOS and other cameras.

Heads

Siedentopf-type binocular head or trinocular head for camera integration. Each microscope head has the eyetubes inclined at 30 degrees with the left eyetube having graduated diopter settings. The interpupillary distance on the viewing heads is adjustable between 53mm - 75mm. **An optional ergonomic binocular head is also available**

Eyepieces

10X Super Widefield High Eyepoint eyepieces are standard, and 15X and 20X eyepieces are also available as an option. A Super Widefield High Eyepoint 10X focusable eyepiece that accepts standard 25mm reticules is also available

Objectives

Meiji Techno offers their newly designed Infinity Corrected Reflected Plan Achromate objectives. Long working distance for Brightfield observation. Infinity tube lens: F = 200 mm

Koehler Illuminator

6 voltage 30 watt Halogen Reflected illuminator in an adjustable centering socket provides enhanced image quality of observations and adjustable brightness control



倒立金屬顯微鏡

Model	Head	Type	Eyepieces	Objectives	Stage	Illumination
IM7100	Binocular	Brightfield	SWH 10x/22	INFINITY CORRECTED Plan Achromate LWD	Fixed flat-top 180mm X 245mm	Reflected Koehler 6V30W Halogen
				EPI 5x/0.10 W.D. 20.9 mm		
				EPI 10x/0.25 W.D. 7.7 mm		
				EPI 20x/0.40 W.D. 5.6 mm		
				EPI 50x/0.75 W.D. 3.8 mm		

Measuring Microscope

MEIJI TECHNO MC Series

MC Series Measuring Systems are composed of high quality material microscope components, precision X-Y stages and durable heavy duty stands. Meiji Techno measuring microscopes are available with 2-axis and 3-axis electronic digital readouts in metric and inches. These systems can be configured for use with 35mm photomicrography, analog CCD video, digital CCD video, digital CMOS video and consumer-grade digital still camera systems. Operators can perform visual inspection and measurement of small items or components without complicated system setup. MC Series Systems are available in reflected or transmitted, binocular or trinocular configurations.



Model	
MC40	Reflective light measuring microscope with erect image and binocular head with depolarizer
MC40T	Reflected and transmitted light measuring microscope with erect image binocular head with depolarizer. The MC40T can also convert into a reflective light unit simply by moving the light guide from the base into the reflected illuminator tube
MC50	Reflective light measuring microscope with erect image and trinocular head with depolarizer
MC50T	Reflected and transmitted light measuring microscope with erect image trinocular head with depolarizer. The MC-50T can also convert into a reflective light unit simply by moving the light guide from the base into the reflected illuminator tube
MC60	Reflective light measuring systems with brightfield/darkfield and simple polarization capability with inverted image binocular head, Siedentopf type
MC60T	Reflected and transmitted light brightfield/darkfield and simple polarization capability measuring microscope with inverted image binocular head, Siedentopf type
MC70	Reflective light measuring systems with brightfield/darkfield and simple polarization capability with inverted image trinocular head, Siedentopf type
MC70T	Reflected and transmitted light brightfield/darkfield and simple polarization capability measuring microscope with inverted image trinocular head, Siedentopf type

Electronic Inspection Microscope

MEIJI TECHNO SMD Series

The Inspection Systems by Meiji Techno are designed for a wide variety of inspection or quality control applications. Whether for the inspection of miniature electronic components or for the rework and repair of solder connections, the SMD Inspections Systems is the ideal solution.

The System is designed around the EMZ zoom stereo bodies and the addition of the Oblique Viewing Attachment allows you to inspect vertically or from an angle, and from 360° around simply by rotating the attachment.



Inspection Video Microscope

MEIJI TECHNO VM Series

Meiji Techno's VM Series are high resolution video microscopes that offer a large array of features making them perfect for industrial, medical, educational and research applications that require high magnification with compact size or portability. The VM Series Video Microscope Systems integrate CCD or Digital CCD or CMOS video cameras, reflected-illumination and high-resolution infinity corrected optics ideal for factory automation and machine vision systems.

Outstanding high-resolution images

Accepts infinity corrected objectives with RMS thread with 200mm focal length

Choice of objectives from 4x to 100x

Optional triple or quadruple nosepieces available

On screen video magnifications from less than 40X to 5500X

Compact sized pole stand with coarse and fine focus available

Mountable on flat surfaces for simple integration and machine vision applications

Convenient field portability possible with self powered camera and light source

Illuminator port accepts optional drop-in mounted filters



ビデオマイクروسコープ

General Purpose Zoom Stereo Microscopes

MEIJI TECHNO EM Series

The microscope body is the heart of our modular stereo design. It contains the objectives and prisms that capture the image of the specimen, magnify it, and direct it to the eyetubes. The body by itself cannot be used to view an object; it needs eyepieces that further magnify the image and allow the viewer to see, and it must be mounted on a stand that has a mechanism for raising and lowering the body to bring the specimen into focus.

EM series stereo microscopes meet the needs of each and every customer by having the possibility to select components from the widest range of Zoom, Turret or Fixed magnifications bodies, stands, eyepieces, supplementary lenses, illuminators and accessory components available in the microscope industry today.

Every stereo body features adjustable diopter tubes and interpupillary distance adjustment. A range of fixed or tilting focus blocks are available to mount the microscope body onto existing OEM equipment. All EM bodies come with dust covers and rubber eyeshields.



EMZ 5TR

双眼实体顕微鏡

Research Grade Stereo Microscope

MEIJI TECHNO RZ Series

High-performance microscopes, specifically designed with today's demanding microscopy applications in mind. The RZ Series offers crisp, distortion-free, high-resolution images at magnifications ranging from 3.75x to 300x

A wide range optical components, photo/video accessories, and stands meet the needs of every customer

The RZ features a 10:1 zoom ratio with built-in variable dual-iris diaphragms and 12 positive click stops through the zoom range. Two perpendicular columns of eight zoom lenses in four groups move in smooth motion controlled by ergonomically sized and positioned zoom knobs. A magnification indicator is conveniently located on the zoom controls

Exterior components are painted with special anti-static finish which is especially useful when working in sensitive environments. Two types of viewing heads are available

Ergonomic Head

The ergonomic head features low-positioned eyetubes with inclination adjustable from 10° to 50° and interpupillary distances adjustable from 52mm to 75mm for comfortable, fatigue-free viewing



RZ-RZT

双眼实体顕微鏡

Polarizing Microscopes

MEIJI TECHNO MT9000 and MT9900 Series

The MT9000/MT9900 Series features strain free **S.Plan optics and the Infinity Corrected Optical System** to examine thin sections and other mounted samples fast and easy.

Heads

Siedentopf-type binocular head or trinocular head for camera integration. The interpupillary distance is 53mm - 75mm. An 80/20 beamsplitter for the trinocular tube can be engaged for photo work.

Eyepieces

10X Widefield High Eyepoint eyepieces F.N.20 are standard. A Widefield High Eyepoint 10X focusable eyepiece that has a 21mm crossline reticule.

Objectives

Infinity Corrected Reflected or/and Transmitted **STRAIN** Free Plan Achromate objectives for Polarizing observation

Condenser

Strain Free Abbe condenser N.A. 1.25 with swing out top lens

Koehler Illumination

6 voltage 30 watt Halogen Transmitted – and 6 voltage 30 watt Halogen Reflected illuminator

Polarizing Accessories

Amici-Bertrand lens, 1/4 wave plate and first order red plate. Optional Senarmont compensator and quartz wedges are available along with an attachable point counting stage



MT9920

Model	Head	Eyepieces	Objectives	Stage	Condenser	Illumination	
MT9200	Binocular	KHWF 10xCP/20	INFINITY CORRECTED Strain Free Plan Achromate		Rotatable 360 degree, graduated with vernier	Strain Free Abbe NA 1.25 w/ swing out top lens	Transmitted Koehler 6V30W Halogen
MT9300	Trinocular		POL 4x/0.10 W.D. 15.3 mm POL 10x/0.25 W.D. 7.3 mm POL 40x/0.65 W.D. 0.81 mm	POL 4/0.10 C.C. 0.17 mm POL 10/0.25 C.C. 0.17 mm POL 40/0.65 C.C. 0.17 mm			Transmitted and/or Reflected Koehler 6V30W Halogen
MT9420	Binocular						
MT9430	Trinocular						
MT9920	Binocular						
MT9930	Trinocular						

Macrosopes

MEIJI TECHNO Unimac Series

Short UNIMAC Series (Short-Back Focus) is a high performance direct -to-cam zoom lens system offer a wide array of features making them perfect for industrial, medical, educational and research applications. The Short UNIMAC series of macrozoom lenses couples directly to a CCD or CMOS video camera and allows a shorter profile facilitating use in situations where space is very restricted. These versatile modular lens systems are ideally suited for a variety of free standing or OEM applications.

Superb Optical Quality

6,4:1 Zoom Ratio

Systems maintain excellent parfocality throughout zoom range

Variety of auxiliary lenses and polarizing filters

Compact Size (154mm height maximum)

Machine mountable - OEM Applications

Many configurations available

Different stands and focus blocks available



Gemological Microscopes

MEIJI TECHNO GM Series

Similar to our professional GEM Series, the GM Series microscopes also use the EM Series stereo microscope bodies.

Choose from zoom bodies or turret bodies mounted on a stand that offers Brightfield and Darkfield Transmitted illumination, as well as 2-stage fluorescent Reflected illumination useful for viewing inclusions.

Model	EM Series Body
GM 2T	EMT 2 – binocular turret, 1x and 3x objectives in turret changer
GM 3T	EMT 3 – binocular turret, 2x and 4x objectives in turret changer
GM 5Z	EMZ 5 - 0.7X - 4.5X zoom range stereo microscope body
GM 5TR	EMZ 5TR - trinocular 0.7x-4.5x zoom range for photomicrography, rotatable 360°
GM 8TR	EMZ 8TR - trinocular 0.7X - 4.5X zoom range, rotatable 360°



GM 8TR

MEIJI TECHNO GEM Series

The GEM Series of professional gemological microscopes are based on Meiji Techno EM Series stereo microscope bodies.

Choose from zoom bodies or turret bodies mounted on a full-sized GEM stand that offers powerful Darkfield Transmitted illumination suitable for photomicrography. You also have the option of adding a 2-stage fluorescent Reflected illuminator useful for viewing inclusions.

All GEM Series microscopes come with dust covers, and rubber eyeshields.

Model	EM Series Body
GEMT 2	EMT 2 – binocular turret, 1x and 3x objectives in turret changer
GEMT 4	EMT 4 - binocular turret, 1x and 4x objectives in turret changer
GEMZ 5	EMZ 5 - binocular 0.7x-4.5x zoom range, rotatable 360°
GEMZ 5TR	EMZ 5TR - trinocular 0.7x-4.5x zoom range for photomicrography, rotatable 360°
GEMZ 8TR	EMZ 8TR - trinocular 0.7X - 4.5X zoom range, rotatable 360°



GEMZ 8TR

寶石鑑定用顕微鏡

MICROS Manual Microtome

Razor and Steely

Made in Germany for MICROS

Highest precision allows a joyful using with greatest possible safety standard according class 4/MedGV. Specimen changes are very easy to handle through advanced accessory design. Microtome lock conveniently integrated in the hand wheel.

Technical Features:

Micro and coarse advance movements are enclosed in housing. Section thickness adjustment possible from **0.5 μm to 60 μm** in defined steps. Precise guide way and clamping device for knife holder with optimum sliding capability and prism guide. **Vertical stroke: 70 mm** **Max. horizontal stroke: 40 mm** With object orientation unit, adjustable in X/Y axis as option, and object clamp with fixed upper jaw for max. specimen size of 55 x 55 mm. Knife holder base for different knife holders.

Disposable or steel knives available.

Many accessories for different applications available.

Weight 35 kg without accessories.



LED Illumination and Fiber Optics

Jupiter

This high performance LED light source features a modern LED array that produces enormous light output. The sideward position of the light output gives maximum protection to the user's eyes. Additional features of the machine are high efficiency, very long lifetime and ergonomics.

The brightness can be adjusted from 0% to 100 % in 1028 steps. The LED-display on the light source shows the operating state. Micro-control makes operating very simple, nine different brightness settings can be stored and the built in USB connection gives the possibility to control the light source with a computer. Jupiter is a powerful LED illuminator with unique design and technology.



Mars

Mars features filter holder, ergonomic handle, Bezel adapter with locking design to keep goosenecks steady, a digital intensity control from 0-100%, and a separate on/off switch to maintain intensity settings when the unit is shut down.

The high output fan, lamp baffle, and unique bezel design provide maximum airflow while restricting stray light from heating outer surfaces. In the event the rugged pin type lamp connector requires change-out, replacement maintenance is quick and user-friendly, as the device is held in place at a terminal block, not soldered in place. **Mars is available with or without Iris diaphragm**



Venus

Made of premium black-anodized aluminium housing, VENUS ring light features highlighted LEDs, which can be dimmed with a brightness regulator on the light controller.

Although VENUS ring light is not divided in segments, with its alternatively 40 or 80 highlighted LEDs, it creates a very bright and homogenous illumination of the object.

Spotlight and Backlight: The spotlight features 18 LEDs. It can be attached directly to the microscope stand or positioned as required with a flexible tube and base plate. The backlight features long-life and bright LEDs and a compact design. With this illuminator it is possible to create an exceptionally uniform daylight-quality illumination. With the twin port adapter, it is possible to use two units at the same time.



照明装置

LED Illumination and Fiber Optics

Saturn

LED illumination used for the optimal light contrast for stereomicroscopes. Made of premium black-anodized aluminium housing, SATURN ring light features 80 highlighted LEDs, which is divided into 8 segments.

Switching between each segment and its combinations, with the joystick on the light controller.

Saturn also features a memory function, where 9 different illumination settings can be stored and easily called up later.



Microscopy Cameras

Lumenera

Lumenera's INFINITY USB 2.0 digital cameras, offering 1.3 to 32 megapixel resolution, are specifically designed for life science, clinical or industrial applications. The USB 2.0 digital interface ensures a simple plug and play installation on any computer. Live video preview provides for real-time focus, while auto exposure and auto white balance efficiently capture your optimal image.

Every INFINITY camera includes **INFINITY ANALYZE software** for advanced camera control. A complete image capture and processing software. Produce high quality pictures and store them into an archive application or save them in a variety of formats. Easily manage and retrieve images within the built-in database. Measuring of: polyline, circle from 3 points, polygon, perimeter.

