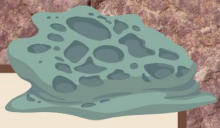


[View this email in your browser](#)



BEST OF MEIJI TECHNO AMERICA'S GEOLOGICAL POLARIZING COMPOUND MICROSCOPE



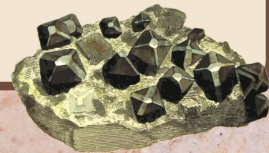


A geological polarizing compound microscope is a specialized optical instrument used primarily in geology, mineralogy, and petrology to study thin sections of rocks, minerals, and other crystalline structures. It utilizes polarized light to analyze the optical properties of anisotropic materials, helping geologists identify minerals, determine their composition, and assess their formation history.



INCIDENT LIGHT MODEL

An incident light model in a geological polarizing compound microscope refers to a setup where light is directed from above the sample, rather than from below, using a built-in illuminator and polarizer. This configuration is essential for studying opaque minerals and rock surfaces, as it allows for reflected light microscopy, enabling the identification of mineral textures, compositions, and optical properties that cannot be observed with transmitted light.



MT9200H - Binocular Polarizing Halogen Compound Microscope



The Meiji Techno America MT9000 Series Transmitted Light Polarizing Microscope is a versatile, modular, and ergonomic tool for analyzing isotropic and anisotropic materials. Ideal for education, research, and advanced laboratory applications, it excels in forensic analysis, polymer and crystal identification. Featuring a 6V 30W Koehler Halogen or LED Koehler illuminator, strain-free ∞ Infinity Corrected optics, and redesigned polarizing condensers, it delivers exceptional image contrast, brightness, and clarity. Its intermediate tube includes a built-in analyzer, compensator slot, and rotatable polarizer. Perfect for geology, petrology, mineralogy, forensics, material science, crystallography, medical research, environmental science, and industrial quality control.



KEY FEATURES:



- Built in Bertrand lens and analyzer with compensator slots
- Swing out Polarizer/Analyzer in sliding mount provides both orthoscopic and conoscopic observations
- First order red compensating plate and $\frac{1}{4}$ Wave-length test in a metal mount sliding mount
- Newly designed Strain free Abbe Condenser 1.25 N.A.
- Polarizer in a Swing in-out click/clamp mount, fully rotatable 360° with click stop at 0° and 90°
- Super Widefield compensating KHW10X, focusing eyepiece with a cross-line reticle and guide pin
- F.N. 20 are standard with 21mm reticle mount
- Siedentopf type Binocular or Trinocular viewing heads are standard
- Smooth operating ball bearing centerable nosepiece provides effortless objective changes
- Clear Observation Images with ∞ Infinity Corrected Objectives ICOS Optical System
- Intermediate tube with built in Bertrand lens and analyzer and compensator slots and rotatable polarizer in a swing-out mount
- Ceramic coated, 175mm diameter, ball bearing, circular rotating stage graduated 360°
- 1° increments and vernier reading to 0.1° circular stage
- Focus tension adjustment and safety Auto-focus stage stop lever to prevent slide breakage
- Triangular designed frame for maximum ergonomics, greatly lessens user fatigue during hours of extended observation

MT9200H - \$6,790 (REQUEST FOR A QUOTE)

MT9300L - Trinocular Polarizing LED Compound Microscope



The Meiji Techno America MT9000 Series Transmitted Light Polarizing Microscope is a high-performance tool for analyzing isotropic and anisotropic materials. Designed for versatility and efficiency, it excels in education, research, and advanced labs, including forensics, polymer studies, and crystal identification. Featuring an ergonomic design, 6V 30W Koehler Halogen or LED Koehler illuminator, and strain-free ∞ Infinity Corrected optics, it ensures exceptional clarity, contrast, and color accuracy. With redesigned polarizing condensers, a built-in analyzer, compensator slot, and rotatable polarizer with a full-wave plate, it delivers superior imaging. Ideal for geology, petrology, mineralogy, material science, medical research, and industrial quality control.



KEY FEATURES:

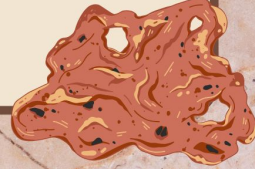


- Built in Bertrand lens and analyzer with compensator slots
- Swing out Polarizer/Analyzer in sliding mount provides both orthoscopic and conoscopic observations
- First order red compensating plate and $\frac{1}{4}$ Wave-length test in a metal mount sliding mount
- Newly designed Strain free Abbe Condenser 1.25 N.A.
- Polarizer in a Swing in-out click/clamp mount, fully rotatable 360° with click stop at 0° and 90°
- Super Widefield compensating KHW10X, focusing eyepiece with a cross-line reticle and guide pin
- F.N. 20 are standard with 21mm reticle mount
- Siedentopf type Binocular or Trinocular viewing heads are standard
- Smooth operating ball bearing centerable nosepiece provides effortless objective changes
- Clear Observation Images with ∞ Infinity Corrected Objectives ICOS Optical System
- Intermediate tube with built in Bertrand lens and analyzer and compensator slots and rotatable polarizer in a swing-out mount
- Ceramic coated, 175mm diameter, ball bearing, circular rotating stage graduated 360°
- 1° increments and vernier reading to 0.1° circular stage
- Focus tension adjustment and safety Auto-focus stage stop lever to prevent slide breakage
- Triangular designed frame for maximum ergonomics, greatly lessens user fatigue during hours of extended observation

MT9300L - \$6,900 (REQUEST FOR A QUOTE)

INCIDENT & TRANSMITTED LIGHT MODEL

Incident Light Microscopes illuminate samples from above, making them ideal for examining opaque materials like metals and minerals using reflected light microscopy. In contrast, Transmitted Light Microscopes direct light from below, best suited for transparent or thin-sectioned specimens such as biological tissues and minerals, utilizing polarized or brightfield illumination for detailed analysis.



MT9420H - Binocular Polarizing Halogen Compound Microscope



The Meiji Techno America MT9000 Series Transmitted Light Polarizing Microscope is a versatile, modular, and ergonomic tool for analyzing isotropic and anisotropic materials. Ideal for education, research, and advanced laboratory applications, it excels in forensic analysis, polymer and crystal identification. Featuring a 6V 30W Koehler Halogen or LED Koehler illuminator, strain-free ∞ Infinity Corrected optics, and redesigned polarizing condensers, it delivers exceptional image contrast, brightness, and clarity. Its intermediate tube includes a built-in analyzer, compensator slot, and rotatable polarizer. Perfect for geology, petrology, mineralogy, forensics, material science, crystallography, medical research, environmental science, and industrial quality control.

KEY FEATURES:

- Built in Bertrand lens (Factory installed)
- Analyzer in sliding mount
- First order red compensating plate and $\frac{1}{4}$ Wave-length test in a metal mount sliding mount
- Newly designed Strain free Abbe Condenser 1.25 N.A. with a built in iris in a dovetail mount that is easy to change and operates and tracks very smoothly and predictably facilitating accurate iris control with improved usability
- Polarizer in a Swing in-out click/clamp mount, fully rotatable 360° with click stop at 0° and 90°
- Super Widefield compensating KHW10X, focusing eyepiece with cross-line and guide pin, F.N. 20 are standard with 21mm reticle mount
- Siedentopf type binocular or Trinocular viewing heads are standard
- Smooth operating ball bearing centerable nosepiece provides effortless objective changes
- Clear Observation Images with Newly improved ? Infinity Corrected Objectives ICOS Optical System
- Available accessories suited for high-level Polarization Observation
- Intermediate tube with built in Bertrand lens and analyzer and compensator slots and rotatable polarizer in a swing-out mount
- Ceramic coated, 175mm diameter, ball bearing, circular rotating stage graduated 360°, with 1° increments and vernier reading to 0.1°. Stage equipped with easy to maintain ceramic coating allows for smooth exchange of specimens while offering maximum protection to the stage surface from abrasions and wear overtime of use. The super hard coating is durable and rugged enough to provide years of demanding use
- Focus tension adjustment and safety Auto-focus stage stop lever
- 30 watt Koehler Halogen illumination allowing observation of clear images of polarization with automatic voltage sensing power supply 110V-240V
- Trinocular models compatible with Digital, CCD, CMOS, Analog Meiji Techno adapters for photomicrography
- Cast Aluminum Alloy construction with chemical resistant finish
- Triangular designed frame for maximum ergonomics, greatly lessens user fatigue during hours of extended observation



MT9420H - \$8,110 (REQUEST FOR A QUOTE)

MT9430L - Trinocular Polarizing LED Compound Microscope



The Meiji Techno America MT9430 Series Trinocular Incident and Transmitted Polarizing Microscope is a versatile and ergonomic tool for analyzing isotropic and anisotropic materials. Ideal for education, research, and advanced labs, it excels in forensics, polymer studies, and crystal identification. Featuring an Incident and Transmitted 6V 30W Koehler Halogen or LED Koehler illuminator, strain-free ∞ Infinity Corrected optics, and redesigned polarizing condensers, it delivers exceptional contrast, clarity, and color accuracy. The intermediate tube includes a Bertrand lens, Sliding Analyzer, compensator slot, and rotatable polarizer with a full-wave test plate, enhancing imaging precision. A top choice for geology, petrology, mineralogy, material science, crystallography, medical research, and industrial quality control.

KEY FEATURES:

- Built in Bertrand lens (Factory installed)
- Analyzer in sliding mount
- First order red compensating plate and $\frac{1}{4}$ Wave-length test in a metal mount sliding mount
- Newly designed Strain free Abbe Condenser 1.25 N.A. with a built in iris in a dovetail mount that is easy to change and operates and tracks very smoothly and predictably facilitating accurate iris control with improved usability
- Polarizer in a Swing in-out click/clamp mount, fully rotatable 360° with click stop at 0° and 90°
- Super Widefield compensating KHW10X, focusing eyepiece with cross-line and guide pin, F.N. 20 are standard with 21mm reticle mount
- Siedentopf type binocular or Trinocular viewing heads are standard
- Smooth operating ball bearing centerable nosepiece provides effortless objective changes
- Clear Observation Images with Newly improved ? Infinity Corrected Objectives ICOS Optical System
- Available accessories suited for high-level Polarization Observation
- Intermediate tube with built in Bertrand lens and analyzer and compensator slots and rotatable polarizer in a swing-out mount
- Ceramic coated, 175mm diameter, ball bearing, circular rotating stage graduated 360°, with 1° increments and vernier reading to 0.1°. Stage equipped with easy to maintain ceramic coating allows for smooth exchange of specimens while offering maximum protection to the stage surface from abrasions and wear overtime of use. The super hard coating is durable and rugged enough to provide years of demanding use
- Focus tension adjustment and safety Auto-focus stage stop lever
- 30 watt Koehler Halogen illumination allowing observation of clear images of polarization with automatic voltage sensing power supply 110V-240V
- Trinocular models compatible with Digital, CCD, CMOS, Analog Meiji Techno adapters for photomicrography
- Cast Aluminum Alloy construction with chemical resistant finish
- Triangular designed frame for maximum ergonomics, greatly lessens user fatigue during hours of extended observation

MT9430L- \$8,400 (REQUEST FOR A QUOTE)

MT9920H - Binocular Polarizing Halogen Microscope



The Meiji Techno America MT9900 Series Incident and Transmitted Polarizing Microscope is a high-performance tool for analyzing isotropic and anisotropic materials. Designed for versatility and ergonomic efficiency, it is ideal for education, research, and advanced laboratory applications such as forensics, polymer analysis, and crystal identification.

Featuring a 6V 30W Koehler Halogen or LED Koehler illuminator, strain-free ∞ Infinity Corrected optics, and redesigned polarizing condensers with a swing-out top lens, it enhances image contrast, clarity, and field of view. The intermediate tube includes a focusable Bertrand lens, rotatable Analyzer, compensator slot, and full-wave plate for superior imaging precision.

A top choice for geology, petrology, mineralogy, material science, crystallography, medical research, and industrial quality control.

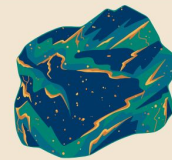
KEY FEATURES:



- Focusable Bertrand lens (Factory installed)
- Rotatable Analyzer with 180° graduations
- Combination First order red compensating plate and $\frac{1}{4}$ Wave-length test plate and Brightfield spot with a slider locking pin standard in all models.
- Newly designed Strain free Abbe Condenser 1.25 N.A. with a swing out top lens and built in iris in a dovetail mount is easy to change and operates and tracks very smoothly and predictably facilitating accurate iris control with improved usability
- Polarizer in a Swing in-out click/clamp mount, fully rotatable 360° with click stop at 0° and 90°
- Super Widefield compensating KHW10X, focusing eyepiece with cross-line and guide pin, F.N. 20 are standard with 21mm reticle mount
- Ergonomic Siedentopf type binocular or Trinocular viewing heads are standard
- Smooth operating ball bearing centerable nosepiece provides effortless objective changes
- Clear Observation Images with Newly improved ∞ Infinity Corrected Objectives ICOS Optical System
- Available accessories suited for high-level Polarization Observation
- Intermediate tube with built in analyzer and compensator slot and rotatable polarizer in a swing-out mount
- Ceramic coated, 175mm diameter, ball bearing, circular rotating stage graduated 360°, with 1° increments and vernier reading to 0.1°. Stage equipped with easy to maintain ceramic coating allows for smooth exchange of specimens while offering maximum protection to the stage surface from abrasions and wear overtime of use. The super hard coating is durable and rugged enough to provide years of demanding use.
- Focus tension adjustment and safety Auto-focus stage stop lever
- Choice of Bright Lambertian designed LED illumination or 30 watt Koehler Halogen illumination allowing observation of clear images of polarization with automatic voltage sensing power supply 110V-240V.
- Trinocular models compatible with Digital, CCD, CMOS, Analog Meiji Techno adapters for photomicrography
- Cast Aluminum Alloy construction with chemical resistant finish
- Triangular designed frame for maximum ergonomics, greatly lessens user fatigue during hours of extended observation

MT9920H- \$9,160 (REQUEST FOR A QUOTE)

MT9930L - Trinocular Polarizing LED Microscope



The Meiji Techno America MT9900 Series Incident and Transmitted Polarizing Microscope is a versatile and ergonomic tool for studying isotropic and anisotropic materials. Designed for education, research, and advanced labs, it excels in forensics, polymer analysis, and crystal identification.

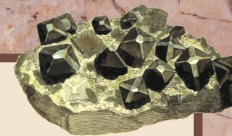
Equipped with a 6V 30W Koehler Halogen or LED Koehler illuminator, strain-free ∞ Infinity Corrected optics, and polarizing condensers with a swing-out top lens, it ensures exceptional clarity, contrast, and a wide field of view. The intermediate tube features a focusable Bertrand lens, rotatable Analyzer, compensator slot, and full-wave plate for precise imaging.

KEY FEATURES:



- Focusable Bertrand lens (Factory installed)
- Rotatable Analyzer with 180° graduations
- Combination First order red compensating plate and ¼ Wave-length test plate and Brightfield spot with a slider locking pin standard in all models.
- Newly designed Strain free Abbe Condenser 1.25 N.A. with a swing out top lens and built in iris in a dovetail mount is easy to change and operates and tracks very smoothly and predictably facilitating accurate iris control with improved usability
- Polarizer in a Swing in-out click/clamp mount, fully rotatable 360° with click stop at 0° and 90°
- Super Widefield compensating KHW10X, focusing eyepiece with cross-line and guide pin, F.N. 20 are standard with 21mm reticle mount
- Ergonomic Siedentopf type binocular or Trinocular viewing heads are standard
- Smooth operating ball bearing centerable nosepiece provides effortless objective changes
- Clear Observation Images with Newly improved ∞ Infinity Corrected Objectives ICOS Optical System
- Available accessories suited for high-level Polarization Observation
- Intermediate tube with built in analyzer and compensator slot and rotatable polarizer in a swing-out mount
- Ceramic coated, 175mm diameter, ball bearing, circular rotating stage graduated 360°, with 1° increments and vernier reading to 0.1°. Stage equipped with easy to maintain ceramic coating allows for smooth exchange of specimens while offering maximum protection to the stage surface from abrasions and wear overtime of use. The super hard coating is durable and rugged enough to provide years of demanding use.
- Focus tension adjustment and safety Auto-focus stage stop lever
- Choice of Bright Lambertian designed LED illumination or 30 watt Koehler Halogen illumination allowing observation of clear images of polarization with automatic voltage sensing power supply 110V-240V.
- Trinocular models compatible with Digital, CCD, CMOS, Analog Meiji Techno adapters for photomicrography
- Cast Aluminum Alloy construction with chemical resistant finish
- Triangular designed frame for maximum ergonomics, greatly lessens user fatigue during hours of extended observation

KEY FEATURES:



• Brightfield:

The simplest of all the optical microscopy illumination techniques. Sample illumination is incident (i.e. illumination from above and observed from above) or transmitted (i.e., illuminated from below and observed from above) white light and contrast in the sample is caused by absorbance of some of the transmitted light in dense areas of the sample. Brightfield microscopy is the simplest of a range of techniques used for illumination of samples in light microscopes and its simplicity makes it a popular technique. The typical appearance of a brightfield microscopy image is a dark sample on a bright background.

• Polarizing Light:

A type of optical microscopy techniques involving polarized light. Simple techniques include illumination of the sample with polarized light. Directly transmitted light can, optionally, be blocked with a polarizer orientated at 90° degrees to the illumination. More complex microscopy techniques which take advantage of polarized light include differential interference contrast microscopy and interference reflection microscopy.

The MT9920 & MT9930 Series Incident and Transmitted Polarizing Microscope is an investigative tool for isotropic and anisotropic materials. This series is the most suited in generating interference figures and in mineralogy in the scientific study of crystal structure and physical (including optical) properties of minerals. Specific studies include process of mineral origin and formation, classification of minerals, their geographic distribution as well as their utilization. Ergonomic placement of controls allows for stress free operation, increased lab efficiency and maximum productivity. Incident and Transmitted 6V 30W Koehler Halogen illuminator or LED Koehler illuminator with newly engineered high performance optics strain free ? Infinity Corrected objectives reduce internal strain to an absolute minimum. Our redesigned polarizing condensers with a swing out top lens helps maximize the field of view with lower power objectives to enhance performance in polarized light, yielding unmatched image contrast, provide exceptionally bright, crisp images with good color rendition and superior flat fields of view. Intermediate tube with a built in focusable Bertrand lens and a rotatable Analyzer greatly increases the quality of the image along with a compensator slot and rotatable polarizer with full wave plate.

The MT9920 & MT9930 Series microscopes are used in research, industry and training in many scientific fields such as:

- Environmental Research - Analysis of materials, dust and fiber
- Medicine and Biology - Determining composition of calculi, sediments and bio-crystallates
- Forensics - Identification of trace elements and materials such as explosives
- Materials Analysis - Metal, ceramics, glass, building materials, etc.
- Geology - Mineralogy, petrography, core drilling sample analysis, thin section identification
- Chemistry - Quality control of in-process or end products, compounds, pharmaceutical analysis and identification of precipitates

The MT9920 & MT9930 Incident and Transmitted Light Series is a suitable instrument for most applications in Geology, Petrology, Mineralogy, Toxicology, Chemistry, Pharmaceuticals, Medicine, Pulp/Paper, Atmospheric Pollution, Ceramics Technology, Forensic Medicine, etc.

MT9930L- \$9,450 (REQUEST FOR A QUOTE)



MEIJI TECHNO AMERICA

CAMERAS



WEBSITE



OPTIONAL CAMERAS

MEIJI TECHNO AMERICA

visit our website: www.meijitechno.com

send us your inquiry:
admin@meijitechno.com
info@meijitechno.com

or give us a call at:
+1 800 832 0060



Copyright © 2025 Meiji Techno America, All rights reserved.

Receive NEW, FEATURED, and TOP SELLER product details from our Meiji Techno line.

Our mailing address is:

Meiji Techno America
5895 Rue Ferrari
San Jose, CA 95138

[Add us to your address book](#)

Want to change how you receive these emails?

You can [update your preferences](#) or [unsubscribe from this list](#).

