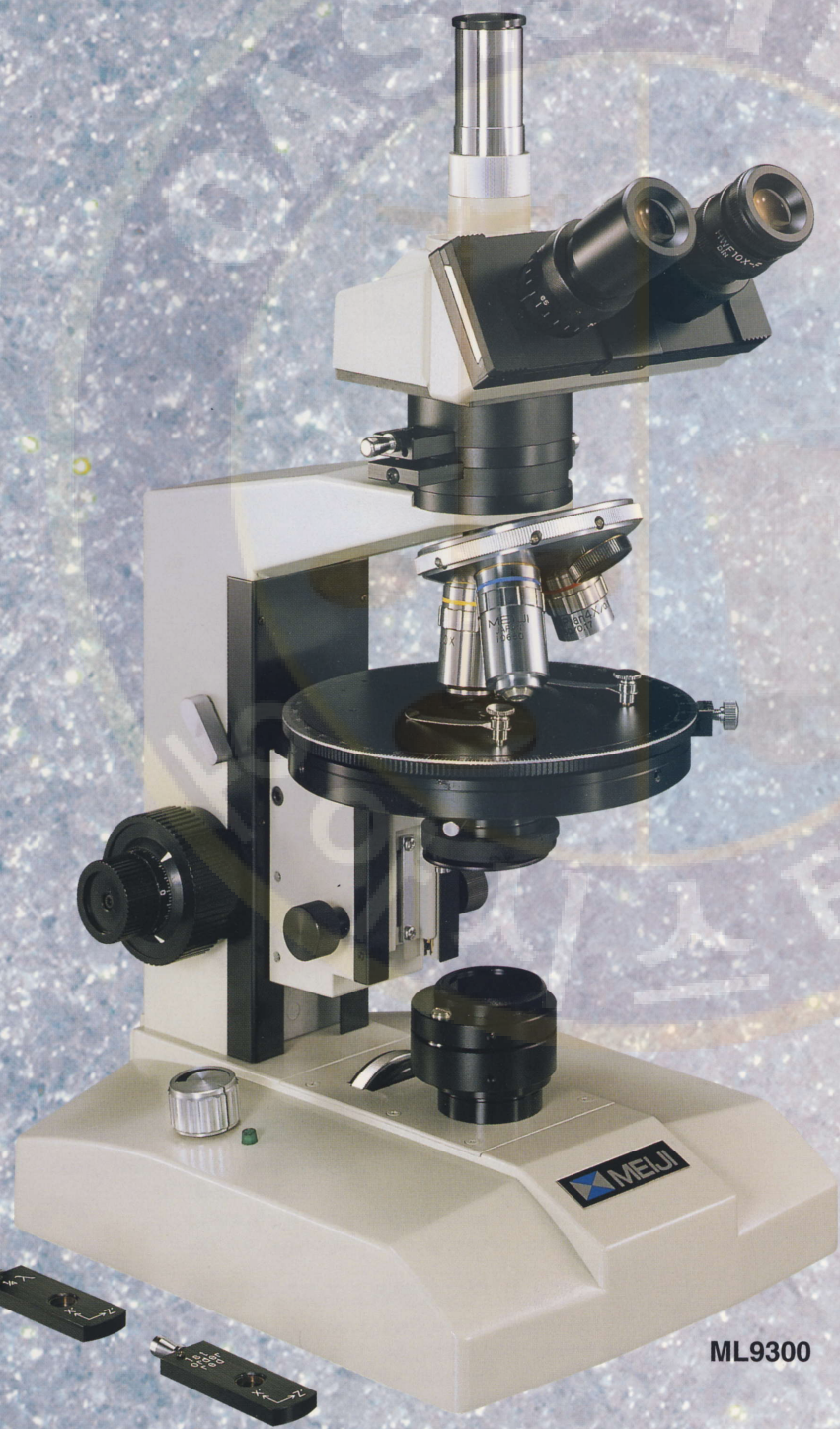




# ML9000 Series

## POLARIZING MICROSCOPES

**A SUITABLE INSTRUMENT FOR MOST APPLICATIONS IN GEOLOGY, PETROLOGY, MINERALOGY, TOXICOLOGY, CHEMISTRY, PHARMACEUTICS, MEDICINE, PULP/PAPER, ATMOSPHERIC POLLUTION, CERAMICS TECHNOLOGY, FORENSIC MEDICINE, ETC.**



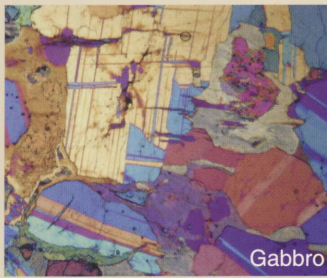
**ML9300**

### FEATURES

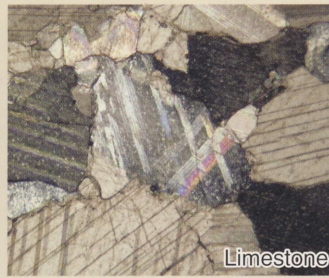
Large, stable microscope base and limb with graduated, coaxial coarse and fine focusing (with safety stop), rack and pinion focusing condenser mount, Koehler base illuminator with pre-centered 30 watt tungsten halogen source and with integral 115 volt electronic transformer with intensity control. (220/240V AC system also available, please specify). Also including:

- Binocular or trinocular body, 30° inclination, with high transmission prism system. Attachment fitting slotted for correct orientation. Dovetail slider inter-ocular adjustment and dioptric compensation facility incorporated in one eyetube. One eyetube slotted for 90° and 45° orientation of cross-line eyepiece.
- Both orthoscopic and conoscopic systems of observation can be carried out.
- Extra-bright, extra-large interference figures are produced by a new concept Bertrand lens.
- Ball-bearing rotating stage, 150mm diameter, graduated with vernier, and stage specimen clips.
- Ball-bearing quadruple nosepiece with one fixed and three centerable objective apertures.
- Analyzer, in slide for E-W insertion.
- Bertrand lens with field-limiting stop, in slide for E-W insertion.
- Polarizer, in swing-out click/clamp mount, fully rotatable with click stop at 0° and 90°.
- Slide opening in limb for insertion of DIN standard 20mm x 6mm compensators, slideway SE-NW. (Mica 1/4 wave plate and sensitive tint plate included).
- Strain free Achromatic Condenser, N.A.1.25, with aperture iris diaphragm and swing-out filter holder.
- Size and Weight:
  - ML9200 Binocular  
200mm(W) x 270mm(D) x 435mm(H), 8.5kg net
  - ML9300 Trinocular  
200mm(W) x 270mm(D) x 480mm(H), 8.7kg net

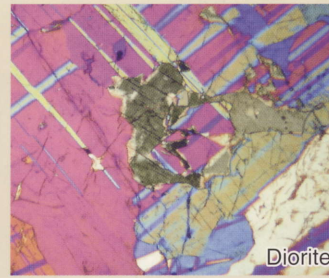
# COMPONENTS & ACCESSORIES (ML9000 Series)



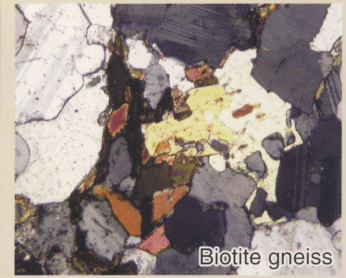
Gabbro



Limestone



Diorite



Biotite gneiss

(Photographs of rock thin sections taken with ML9300 Trinocular polarizing microscope.)

## OPTIONAL MICROSCOPE BODIES

- MA647** Binocular head 30° inclination. One eyetube slotted for orientation of cross-line eyepiece, (included in Model ML9200).
- MA648** Trinocular head-as described above, but with 80%/20% beam-splitter and vertical photo tube, (included in Model ML9300).
- MA649** Monocular head, 30° inclination. Eyetube slotted for orientation of cross-line eyepiece.

## MICROSCOPE OBJECTIVES

(DIN, strain free, lenses 20X and over are supplied in retractable mounts)

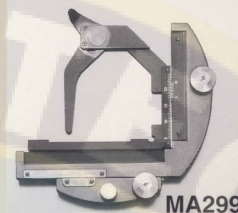
- MA641** SM Plan 4X/N.A.0.10 (included)
- MA642** SM Plan 10X/N.A.0.25 (included)
- MA643** SM Plan 20X/N.A.0.40
- MA644** SM Plan 40X/N.A.0.65 (included)
- MA645** SM Plan 60X/N.A.0.85
- MA646** SM Plan 100X/N.A.1.25 oil

## MICROSCOPE EYEPIECES (DIN)

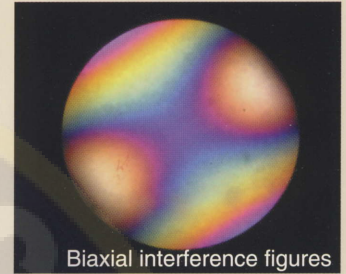
- MA406** 10X wide field (f.o.v. #18), high eyepoint (included)
- MA413C** 10X, focusing, with cross-line (included)

## SPARES, MISCELLANEOUS

- MA609/05** Wooden cabinet, lockable
- MA299** Attachable mechanical stage
- MA326** Spare lamp 6V 30W halogen
- MA327** Fuse 3A
- MA469** 1/4 wave-length test plate (included)
- MA654** Quartz Wedge-6 order
- MA470** First order red compensating plate (included)
- MA471** Analyser (included)
- MA477** Bertrand lens (included)



MA299



Biaxial interference figures



ML9200

## ORDERING INFORMATION FOR COMPLETE OUTFIT

Model	Body	Eyepiece (DIN)	Objectives (DIN)	Illuminator
ML9200	Binocular body	HWF10X HWF10XF with cross-line	SM Plan, Strain-free 4X, 10X, 40X (retractable)	Koehler illuminator with Halogen lamp, 6V 30W
ML9300	Trinocular body	HWF10X HWF10XF with cross-line		

Supplied in styrofoam case with dust cover and instruction manual.

Agent :

## MEIJI TECHNO CO.,LTD.

322-1,Chikumazawa Miyoshi-machi, Iruma-gun Saitama 354-0043, Japan  
Phone : (0)49-259-0111 Fax : (0)49-259-0113

E-mail : [meiji@meijitechno.co.jp](mailto:meiji@meijitechno.co.jp)  
<http://www.meijitechno.co.jp>



## MEIJI TECHNO AMERICA

5895 Rue Ferrari, San Jose, CA 95138, USA

Tel : 408-226-3454 Fax : 408-226-0900

Toll Free : 1-800-832-0060

E-mail : [info@meijitechno.com](mailto:info@meijitechno.com)

<http://www.meijitechno.com>



MEIJI TECHNO

