

# MICROSCOPES & MAGNIFIERS

## Biological Compound Microscopes

### Upright Microscopes

**NEW**



BA310E

**Motic BA310E Upright Microscope, Binocular, Brightfield**  
**1100100402631** ..... \$1,699.00

- Widefield 10X/20 eyepieces; both diopter adjustable
- Binocular, 30° inclined, Siedentopf design viewing head has extensive 48-75 mm interpupillary adjustment; eyetubes swivel upward to increase viewing height up to 62 mm
- CCIS EC plan achromat 4X, 10X, 40XR, and 100X objectives
- 5-place, inward-facing nosepiece
- Rackless mechanical stage with x-y torque adjustment measures 18 cm(W) x 17 cm(D)
- Coaxial coarse and fine focus controls; coarse has tension and up-stop adjustments
- Abbe condenser, N.A. 1.25, is centerable and focusable; iris diaphragm scaled in N.A.; slider accessory slot
- Interchangeable 30W halogen or 3W LED Koehler-type illumination
- 40 cm(D) x 22 cm(W) x 41 cm(H)
- 5-year mechanical & optical/1-year electrical warranty

**Motic BA310E Upright Microscope, Trinocular, Brightfield**  
**1100100402641** ..... \$1,899.00

- Trinocular version of microscope described above
- Light split 100:00/20:80 (visual:photo)

BA410E

**NEW**



**Motic BA410E Upright Microscope, Binocular, Brightfield**  
**1100100402971** ..... \$3,233.00

- Widefield 10X/22 eyepieces; both diopter adjustable; 25 mm reticle holder
- Binocular, 30° inclined, Siedentopf design viewing head has extensive 48-75 mm interpupillary adjustment; eyetubes swivel upward to increase viewing height up to 62 mm
- CCIS EC-H plan achromat 4X, 10X, 40XR, and 100X objectives mount on 6-place, inward-facing nosepiece
- Rackless mechanical stage with wear-resistant ceramic insert and x-y torque adjustment; 18 cm(W) x 17 cm(D)
- Coaxial coarse and fine focus controls; coarse has tension and up-stop adjustments
- Achromat swing-out condenser, N.A. 0.90, is centerable and focusable; iris diaphragm scaled in N.A. increments
- 50W halogen bulb housed in external lamphouse provides true Koehler illumination
- 55 cm(D) x 24 cm(W) x 43.5 cm(H)
- 5-year mechanical & optical/1-year electrical warranty

**Motic BA410E Upright Microscope, Trinocular, Brightfield**  
**1100100402981** ..... \$3,427.00

- Trinocular version of microscope described above
- Light split 100:00/20:80 (visual:photo)



MT4200H

**Meiji**  
**MT4200H Upright Microscope, Binocular, Brightfield** ..... \$2,565.00

- Widefield 10X/20 eyepieces
- Binocular, 30° inclined, Siedentopf design viewing head has single diopter; 53-75 mm interpupillary adjustment
- Infinity-corrected, plan semiapochromat 4X, 10X, 40XR, and 100XR objectives on 5-place, inward-facing nosepiece
- Ball-bearing, ceramic coated mechanical stage is 17 cm(W) x 14 cm(D)
- Coaxial coarse and fine focus controls; coarse has tension and up-stop adjustments
- Centerable Abbe condenser, N.A. 1.25, has rack and pinion focusing, and iris diaphragm
- 30 watt halogen Koehler-type illuminator
- 39 cm(D) x 21 cm(W) x 41 cm(H)
- Limited lifetime mechanical & optical/90-day electrical

*Continued*



MT5300H

**Meiji**

**MT5200H Upright Microscope, Binocular, Brightfield..... \$2,830.00**

- Widefield 10X/22 eyepieces
- Binocular, 30° inclined, Siedentopf design viewing head has single diopter; 53-75 mm interpupillary adjustment
- Infinity-corrected, plan semiapochromat 4X, 10X, 40XR, and 100XR objectives on 5-place, inward-facing nosepiece
- Ball-bearing, ceramic coated mechanical stage is 19 cm(W) x 14 cm(D)
- Coaxial coarse and fine focus controls; coarse has tension and up-stop adjustments
- Centerable Abbe condenser, N.A. 1.25, has rack and pinion focusing, and iris diaphragm
- 30 watt halogen Koehler-type illuminator
- 39 cm(D) x 21 cm(W) x 41 cm(H)
- Limited lifetime mechanical & optical/90-day electrical

**MT5300H Upright Microscope, Trinocular, Brightfield..... \$3,127.00**

- Trinocular version of MT5200H
- 38 mm ISO photoport includes 1X C-mount coupler
- 39 cm(D) x 21 cm(W) x 46.5 cm(H)



168-ASC



169-ASC

**National**

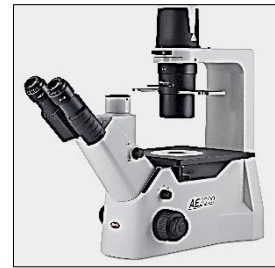
**168-ASC Upright Microscope, Binocular, Brightfield..... \$829.00**

- Widefield 10X/18 eyepieces
- Binocular, 30° inclined, Jentsch design viewing head with dual diopters; 54-76 mm interpupillary adjustment
- DIN, super high contrast achromat 4X, 10X, 40XR, and 100XR objectives on 4-place, inward-facing nosepiece
- Rackless x-axis mechanical stage is 14 cm(W) x 13.5 cm(D); up-stop adjustment is provided
- Coaxial coarse and fine focus controls; coarse has tension adjustment
- Abbe condenser, N.A. 1.25, has rack and pinion focusing, iris diaphragm, and swing-out filter holder
- Centered 3 watt variable LED illuminator, corded
- 24 cm(D) x 18.5 cm(W) x 40 cm(H)
- Lifetime mechanical & optical/3-year electrical warranty

**169-ASC Upright Microscope, Trinocular, Brightfield..... \$1,059.00**

- Trinocular version of 168-ASC; 3-position beamsplitter
- 0.5X C-mount adapter included

**Inverted Microscopes**



AE2000

**NEW**

**Motic AE2000 Inverted Microscope, Binocular, BF/Phase**

**110010380268 ..... \$2,739.00**

- Widefield 10X/20 eyepieces; both diopter adjustable
- Binocular, 45° inclined, Siedentopf design viewing head has extensive 48-75 mm interpupillary adjustment; eyetubes swivel upward to increase viewing height up to 62 mm
- CCIS phase plan achromat 4X, 10X, and LWD 20X objectives
- 4-place, side-facing nosepiece
- Fixed stage with metal and glass inserts measures 20 cm(W) x 23.9 cm(D)
- Coaxial coarse and fine focus controls; coarse has tension adjustment and up-stop adjustments
- ELWD condenser (W.D. 72 mm), N.A. 0.30; iris diaphragm marked in N.A. graduations; 3-position slider with dedicated phase ring for 4X objective, open brightfield position, and common phase ring for objectives 10X-20X
- Variable 3W LED illuminator
- 55.6 cm(D) x 21.8 cm(W) x 49.6 cm(H)
- 5-year mechanical & optical / 1-year electrical warranty

**Motic AE2000 Inverted Microscope, Trinocular, BF/Phase**

**1100103800267 ..... \$3,179.00**

- Trinocular version of microscope described above
- Light split 100:00/20:80 (visual:photo)

Continued

**NEW**



AE31E

**Motic AE31E Inverted Microscope, Binocular, BF/Phase**  
1100100200861 ..... \$3,549.00

- Widefield 10X/22 eyepieces; both diopter adjustable; 25 mm reticle holder
- Binocular, 45° inclined, Siedentopf design viewing head has extensive 48-75 mm interpupillary adjustment; eyetubes swivel upward to increase viewing height up to 62 mm
- Three CCIS plan achromat objectives: brightfield 4X; phase 10X, and phase LWD 20X
- 5-place, side-facing nosepiece
- Fixed stage with metal and glass inserts measures 20 cm(W) x 23.9 cm(D)
- Coaxial coarse and fine focus controls; coarse has tension and up-stop adjustments
- ELWD condenser (W.D. 72 mm), N.A. 0.30, is centerable and focusable; iris diaphragm marked in N.A. graduations; 3-position slider provided with universal phase ring for objectives 10X-40X, and open brightfield position
- 3W LED Koehler-type illuminator
- 55.6 cm(D) x 20 cm(W) x 52.9 cm(H)
- 5-year mechanical & optical/1-year electrical warranty

**Motic AE31E Inverted Microscope, Trinocular, BF/Phase**  
1100100200841 ..... \$3,999.00

- Trinocular version of microscope described above
- Light split 100:00/20:80 (visual:photo)

**Metallurgical Compound Microscopes**

**Inverted Microscopes**



IM7100



IM7200

**Meiji**

**IM7100 Inverted, Binocular, BF/Polarized Light** ..... \$6,639.00

- Widefield 10X/22 eyepieces
- Binocular, 30° inclined, Siedentopf design viewing head with depolarizer has single diopter; 53-75 mm interpupillary adjustment
- Infinity-corrected, plan achromat E5X, E10X, E20X, and E50X objectives on 5-place, side-facing nosepiece
- Fixed stage measures 18 cm(W) x 24.5 cm(D)
- Coaxial coarse and fine focus controls; coarse has tension adjustment
- 30 watt halogen incident (reflected) light Koehler illuminator
- Filters provided: polarizer and rotatable analyzer, blue, green, and neutral density
- Camera port is built into front of cast aluminum alloy body
- 55.9 cm (22") x 25.4 cm (10") x 41.3 cm (16.25")H
- Limited lifetime mechanical & optical/1-year electrical

**IM7200 Inverted, Trinocular, BF/Polarized Light** ..... \$6,840.00

- Trinocular version of IM7100
- 55.9 cm (22") x 25.4 cm (10") x 47.5 cm (18.75")H

*Optional components that can be purchased for the IM7100/IM7200 models include eyepieces, viewing heads, 100X objective, attachable mechanical stage, eyepiece and stage micrometers, and camera adapters.*

## Student Microscope

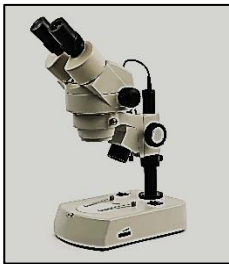


### National

**131-RLED** Student Microscope, Monocular, DIN..... \$259.00

- Widefield 10X eyepiece w/ pointer accepts optional reticle
- Monocular, 45° inclined viewing head rotates 360°
- DIN achromat 4X, 10X, and 40XR objectives
- Stage provided with safety stop to protect slides & objectives
- Low positioned coarse and fine focus; tension adjustment
- In-stage 0.65 N.A. condenser with 5-place disc diaphragm
- LED illuminator, rechargeable batteries (equivalent to a 20 watt tungsten bulb)
- 36 cm (14") tall
- Lifetime mechanical and optical/3-year electrical warranty
- Grades K

## Stereo Microscopes



440-440PLL

**NEW**

### National

**440-440PLL** Stereoscope, Binocular, 7.5-45X Zoom ..... \$879.00

- Widefield 10X/20 eyepieces; accept 23 mm reticle
- Binocular, 45° inclined head with dual diopters rotates 360°; 55-75 mm interpupillary adjustment
- Paired achromat objectives provide continuous 7.5-45X total magnification; working distance of 110 mm with supplied 1X objective
- Heavy-duty rack and pinion focusing features a slip clutch and tension adjustment
- Dual illuminators offer light from top only (LED with rheostat control and directional beam), bottom only (LED), or both top and bottom
- Post stand with locking support collar
- Frosted glass and reversible black/white plastic stage plates included
- 24.2 cm(D) x 17.1 cm(W) x 43.3 cm(H)
- Lifetime mechanical and optical/3-year electrical warranty

**440T-440PLL** Stereoscope, Trinocular, 7.5-45X Zoom ..... \$999.00

- Trinocular version of 440-440PLL-10

M30TZ-SM99CL



**NEW**

### Swift

**M30TZ-SM99CL** Stereoscope, Trinocular, 7.5-45X Zoom.... \$914.00

- Widefield 10X/23 eyepieces; accept 24.95 mm reticle
- Trinocular, 45° inclined head with dual diopters rotates 360°; 55-75 mm interpupillary adjustment
- Paired achromat objectives provide continuous 7.5-45X total magnification; working distance of 113 mm with supplied 1X objective
- Heavy-duty rack and pinion focusing features a slip clutch and tension adjustment
- Dual 3W LED illuminators with rheostat control offer cool light from top, bottom, or both top and bottom
- Post stand has a large ergonomic base and locking support collar
- Frosted glass and reversible black/white plastic stage plates included
- Lifetime mechanical and optical/3-year electrical warrant

## Fiber Optic Illuminator

*Please call regarding availability of items not listed*



Fiber optic light source with dual gooseneck and two focusing lenses is shown. *Items are sold separately.*

### Fiber Optics, Fiber-Lite™, Dolan-Jenner

Light Source, 150W EKE lamp, rheostat. **MI-150**..... \$575.00

(FL150/115) Warranty: 3 years

Gooseneck, Dual, chrome plated, 23" long. **EEG2823M** ..... \$370.00

(FL150/05) Warranty: 1 year

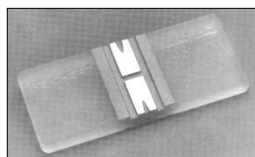
Focusing Lens, each. **LH-759** ..... \$64.00

(FL150/50) Warranty: 1 year

## Accessories & Parts

### Counting Chambers

Bright-Line®  
Hemocytometer



- Hemocytometer**, bright-lined, V-slash, Germany  
Chamber with 2 Coverslips, Marienfeld. **0650030** ..... \$134.00
- Hemocytometers**, Bright-Line®, molded borosilicate glass, **USA**
- Coverslips, 20 x 26 x 0.4 mm, Erie, Pk/2. **2026H** ..... \$11.05
- Reduced Thickness/phase counting chamber (3.5 mm thick)
- Chamber with 2 Coverslips, Hausser. **1475** ..... \$305.00
- Coverslips, 20 x 26 x 0.4 mm, Erie, Pk/2. **2026H** ..... \$11.05
- Howard Mold Chamber**, Hausser, **USA**  
*Requires Howard Disc - see RETICLES & STAGE MICROMETERS*
- Chamber with 2 Coverslips (5080 & 5090). **3820** ..... \$383.00
- Coverslip only, 28 x 33 x 0.5 mm (thin), each. **5080** ..... \$46.80
- Petroff-Hausser Bacteria Counter**, Hausser, **USA**  
Coverslip only, 20 x 26 x 0.2 mm, each. **5051** ..... \$46.80

**England Field Finder**, 1 mm thick, **USA**. **KR-834** ..... \$253.00

**Eyepiece Pointer**, wire. **14301** ..... \$2.00



**Eyete Sleeve**, 23.2 mm increased to 30 mm. **14320** ..... \$35.00

#### Lens Tissue

- Economy, 10 x 15 cm sheets, Bk/50 Sheets. **LENS-46-50** ..... \$1.25
- Fine, 10 x 15 cm sheets, Bk/50 Sheets. **LENSF-46-50** ..... \$3.85
- Type 1, Class 1, lintless
- Premium, 7.5 x 15 cm sheets, Pk/50 Sheets. **77605** ..... \$4.00



- Microscope Cleaning Kit** . **77600** ..... \$30.00
- Replacement Items
- Blower Bulb. **77602** ..... \$10.50
- Brush, 1½", polyester. **77603** ..... \$3.00
- Cleaning Stick. **77604** ..... \$2.00
- Lens Tissue, Premium, 7.5 x 15 cm, 50 sheets. **77605** ..... \$4.00
- Rubber Grip, 11 x 2.5 cm. **77606** ..... \$0.50
- Solvent Jar, (Empty). **77607** ..... \$2.50
- Utility Box. **77608** ..... \$9.00



Protect your microscope from dust, light, and moisture with a durable rip-stop nylon, washable cover.

#### Microscope Dust Covers, rip-stop nylon, burgundy, **USA**

- AO100** ..... \$23.00
- 4BIN** ..... \$10.00  
*(Fits Binocular Head Only - 6½" x 8"(W))*
- NBIN** ..... \$10.00  
*(Fits Binocular Head Only - 11" x 8"(W))*
- NSML** ..... \$23.00  
*(Fits Nikon Alphaphot(1&2), SC; Stereos; National 420, 162, 168; Swift M15B-P)*
- NDFC** ..... \$44.00  
*(Fits Nikon Diaphot w/EPI-FL & Camera; Jenco BC-2A1, BC-364)*
- D200** ..... \$44.00  
*(Fits Nikon Diaphot 200/300; Olympus Vanox)*
- D2FC** ..... \$44.00  
*(Fits Nikon Diaphot 200/300 w/EPI-FL & Camera, Ti)*
- N400** ..... \$30.00  
*(Fits Nikon E400/E600/50i/55i, TS100; Jenco CP-2A1; Meiji IM7100; Olympus BX 40/41, CK2 w/mech. stage)*
- N4CA** ..... \$30.00  
*(Fits Nikon E400/E600 w/Camera; Meiji IM7200; Olympus BX 40/41 w/Camera, Zeiss Axioskop 2 w/Camera)*
- N4FL** ..... \$30.00  
*(Fits Nikon E400/E600 with EPI-FL)*
- N4FC** ..... \$32.00  
*(Fits Nikon E400/E600 w/EPI-FL & Camera; Zeiss Axioskop 2 w/EPI-FL & Camera)*
- N4TH-\*** ..... \$40.00  
*(Fits Nikon E400/E600/50i/55i w/TH)*  
*\*Includes a cover for the student head.*  
*Specify opening as Right or Left using applicable suffix.*
- NLAB** ..... \$23.00  
*(Fits Nikon Labophot(1&2), Optiphot(1&2), TMS/TMS-F, E200; Olympus CK2; Leica DME, DM500/DM750)*
- NLCA** ..... \$30.00  
*(Fits Nikon Labophot(1&2)/Optiphot(1&2) w/Camera; Meiji MT4300/5300)*
- NLFL** ..... \$27.00  
*(Fits Nikon Labophot(1&2)/Optiphot(1&2) w/EPI-FL; Meiji MT6300)*
- NLFC** ..... \$30.00  
*(Fits Nikon Labophot(1&2)/Optiphot(1&2) w/EPI-FL & Camera)*
- NLTH-\*** ..... \$33.00  
*(Fits Nikon Labophot(1&2)/Optiphot(1&2) w/TH-L)*
- NLTC-\*** ..... \$38.00  
*(Fits Nikon Labophot(1&2)/Optiphot(1&2) w/TH-L & Camera)*  
*\*Both TH-L covers include a cover for the student head.*  
*Specify opening as Right, Left, or Both sides using suffix.*
- NLMV** ..... \$28.00  
*(Fits Nikon Labophot(1&2)/Optiphot(1&2) w/Multi-View)*
- NLMC** ..... \$30.00  
*(Fits Nikon Labophot(1&2)/Optiphot(1&2) w/M-V & Camera)*