

# MICROSCOPES & MAGNIFIERS

## Biological Compound Microscopes

### Upright Microscopes



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 40 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 quick-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



**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 quick-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**

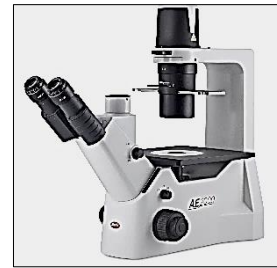
- Widefield 10X/18 eyepieces
- Binocular, 30° inclined, Jentsch design viewing head with dual diopters; 54-76 mm interpupillary adjustment
- DIN, super high contrast achromat 4X, 10X, 40XR, and 100XR objectives on 4-place, inward-facing nosepiece
- Rackless x-axis mechanical stage is 14 cm(W) x 13.5 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)
- Limited 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



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

**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 40 mm
- CCIS plan achromat phase 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/Ph**

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

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



AE31E

**Motic AE31E** Inverted Microscope, Binocular, BF/Ph  
**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
- 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/Ph  
**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

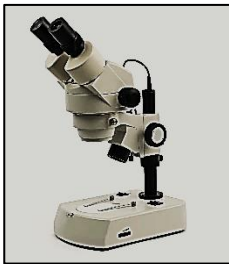


### National

**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-plate 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

### 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)
- Limited lifetime mechanical and optical/3-year electrical

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

- Trinocular version of 440-440PLL-10

M30TZ-SM99CL



### 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**..... \$660.00

(FL150/115) Warranty: 3 years

Gooseneck, Dual, chrome plated, 23" long. **EEG2823M** ..... \$420.00

(FL150/05) Warranty: 1 year

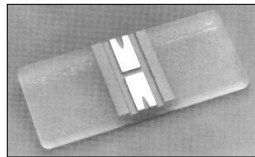
Focusing Lens, each. **LH-759** ..... \$75.00

(FL150/50) Warranty: 1 year

## Accessories & Parts

### Counting Chambers

Bright-Line®  
Hemocytometer



**Hemocytometer**, Bright-Line®, molded borosilicate glass, **USA**  
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



**Eyepiece 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**

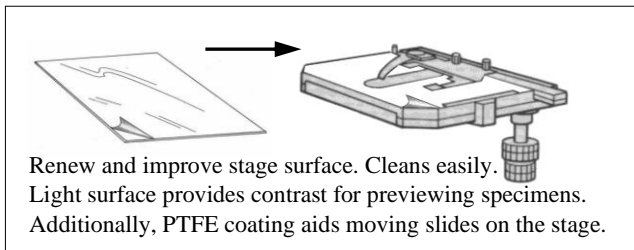
**AO100** ..... \$23.00  
**4BIN** ..... \$10.00  
*Fits Binocular Head Only - 6½" x 8"(W)*  
**NBIN** ..... \$10.00  
*Fits Binocular Head Only - 11" x 8"(W)*  
**NSML** ..... \$23.00  
*Fits Nikon Alphaphot(1&2), SC; Stereos; National 420, 162, 168; Swift M15B-P*  
**NDFC** ..... \$44.00  
*Fits Nikon 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*  
**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*  
**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*





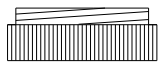
**Microscope Filters, glass**

- 29.8 mm Diameter
  - Blue, clear. **MA289/05** ..... \$40.00
  - Blue Frosted. **MA289** ..... \$40.00
  - Diffusion (frosted). **MA288** ..... \$40.00
- 32 mm Diameter
  - Blue, clear. **923-160** ..... \$15.00
  - Blue Frosted. **3236** ..... \$7.50
  - Diffusion (frosted). **3235-W** ..... \$7.50
  - Green, clear. **CM-0321-G** ..... \$7.00
- 40 mm Diameter
  - Blue Frosted. **MA563/05** ..... \$60.00
  - Diffusion (frosted). **MA566** ..... \$65.00
- 45 mm Diameter
  - Blue, clear. **14671** ..... \$10.40
  - Diffusion (frosted). **14673** ..... \$35.00
  - Green Interference, 546/60, Nikon. **MBN11200** ..... \$52.00
  - Neutral Density, Nikon
    - 50% Transmittance, ND2A. **MBN21802** ..... \$42.00
    - 12.5% Transmittance, ND8A. **MBN21808** ..... \$42.00



Renew and improve stage surface. Cleans easily.  
 Light surface provides contrast for previewing specimens.  
 Additionally, PTFE coating aids moving slides on the stage.

- Microscope Stage Laminate, USA. 16251** ..... \$8.00
- 6.25 x 7.75" sheet provided with a #10 scalpel.
- White Teflon® (PTFE) on self-adhesive vinyl is 0.010" thick.



- Nosepiece Dust Plug, RMS thread (20.32 mm Dia.). 15420** ..... \$0.50



Mark slides, dishes, flasks, and chambers with a 1.8 mm ring for later referral. Works on upright and inverted microscopes.

- Object Marker, RMS thread (20.32 mm Dia.)**
- Refill Ink, black, 10 mL, Shachihata. **22112** ..... \$7.00
- Adapters
  - RMS/45 to CFI60, 15 mm long. **14111** ..... \$43.00
  - RMS ID to 25 mm OD Thread, brass. **14115** ..... \$52.00

*Microscopes with Nikon CFI60 infinity-corrected ( $\infty$ ) objectives require a 14111 adapter.*  
*Microscopes with Leica 25 mm thread/45 mm parfocal length objectives require a 14115 adapter.*  
*Microscopes with 160 mm tube length objectives do not require an adapter.*



**Objectives, 160 mm tube length, DIN, Jenco, Meiji, National**

- Achromats, Motic/National
  - 4X, N.A. 0.10. **704-160** ..... \$32.00
  - 10X, N.A. 0.25. **710-160** ..... \$33.00
  - 40X, N.A. 0.65. **740-160** ..... \$42.00
  - 100X Oil, N.A. 1.25. **799-160** ..... \$69.00
- Super High Contrast Achromats, National
  - 4X, N.A. 0.10. **704-160ASC** ..... \$33.00
  - 10X, N.A. 0.25. **710-160ASC** ..... \$41.00
  - 40X, N.A. 0.65. **740-160ASC** ..... \$76.00
  - 100X Oil, N.A. 1.25. **799-160ASC** ..... \$113.00
- Semi-Plan Achromats, National (unless noted)
  - 2X, N.A. 0.05, Accu-Scope. **3193SP-00** ..... \$70.00
  - 4X, N.A. 0.10. **704-160SP** ..... \$37.00
  - 10X, N.A. 0.25. **710-160SP** ..... \$38.00
  - 40X, N.A. 0.65. **740-160SP** ..... \$49.00
  - 50X Oil, N.A. 0.95, Meiji. **MA694** ..... \$310.00
  - 60X, Strain Free, N.A. 0.85. **MA645** ..... \$335.00
  - 100X Oil, N.A. 1.25. **799-160SP** ..... \$79.00
- Plan Achromats, National (unless noted)
  - 4X, N.A. 0.10. **704-160P** ..... \$38.00
  - 10X, N.A. 0.25. **710-160P** ..... \$63.00
  - 20X, N.A. 0.40. **720-160P** ..... \$142.00
  - 40X, N.A. 0.65. **740-160P** ..... \$119.00
  - 50X Oil, N.A. 0.95, Accu-Scope. **3190PL-00** ..... \$315.00
  - 60X, N.A. 0.85. **760-160P** ..... \$225.00
  - 100X Oil, N.A. 1.25. **799-160P** ..... \$191.00

Protect spare microscope objectives.



- Objective Case, DIN, polystyrene. 15601** ..... \$0.50



Extender tubes do not contain lenses.

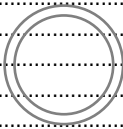
**Objective Extender Tubes, RMS thread, brass, USA**

- 10 mm Long. **14105** ..... \$44.20
- 18 mm Long. **14106** ..... \$42.75

**Objective Shims, fit RMS thread (20.32 mm Dia.), USA**

Parfocalize objectives with these stainless steel rings.

25 μm (0.001") Thick, Pk/10. <b>10032061</b> .....	\$16.15
50 μm (0.002") Thick, Pk/10. <b>10032062</b> .....	\$16.15
75 μm (0.003") Thick, Pk/10. <b>10032063</b> .....	\$16.15
100 μm (0.004") Thick, Pk/10. <b>10032064</b> .....	\$16.15
125 μm (0.005") Thick, Pk/10. <b>10032065</b> .....	\$16.15
Assortment Pack, pk/10. <b>100320630</b> .....	\$19.80



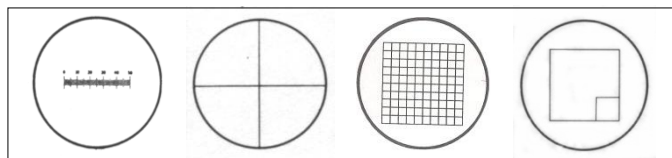
Includes two each of the following thicknesses: 25, 50, 75, 100, and 125 μm.

Highly efficient, linear polarizing film has excellent color reproducibility. Transmission is 38% for a single polarizer, while extinction is better than 99.99% for crossed polars. Film is 0.76 mm thick.



**Polarizing Film, 50 x 50 mm Pair w/Plastic Case, USA. 15751 ... \$15.00**

**Reticles & Stage Micrometers**

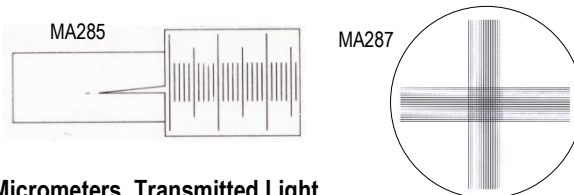


**Reticles, eyepiece, 1.5 mm thick, Klarmann Rulings, USA**

\*Specify reticle diameter using 2-digit suffix,

for example, use **KR-207-21** for 21 mm diameter reticle

★ 5 mm/100 Parts. <b>KR-209-_*</b> .....	\$95.00
★ 10 mm/100 Parts. <b>KR-207-_*</b> .....	\$95.00
Crossline 90°. <b>KR-301-_*</b> .....	\$95.00
Crossline 90° with 10 mm/100 Parts Scale. <b>KR-257-_*</b> .....	\$95.00
Indexed Square, 100 sqs, each 1 x 1 mm. <b>KR-406B-_*</b> .....	\$95.00
1-10 on x-axis; A-J on y-axis	
Miller Disc	
★ Corner Square. <b>KR-802-_*</b> .....	\$95.00
Central Square. <b>KR-802A-_*</b> .....	\$95.00
Walton Beckett, G-22. <b>KR-827-1-_*</b> .....	\$234.00
Whipple Disc. <b>KR-413-_*</b> .....	\$95.00



**Stage Micrometers, Transmitted Light**

★ 1 mm/100 Parts Scale (0.01 mm), Meiji. <b>MA285</b> .....	\$120.00
1 mm-0.01 mm/div on 1 mm thick slide, protected with microcoverslip. Preferred for compound microscopes.	
10 mm/100 Parts Scale (0.1 mm), Meiji. <b>MA187</b> .....	\$115.00
10 mm-0.1 mm/div on 1 mm thick slide, protected with 1 mm thick coverslip. Designed for stereo microscopes.	
25 mm Scale, <b>USA. KR-812</b> .....	\$207.00
25mm-1 mm/div, 5 mm-0.1 mm/div, 2 mm-0.02 mm/div on 3 mm thick slide. Preferred at magnifications below 400X. Ideal for large field stereo microscopes.	
0.2 mm Square/400 Squares, Meiji. <b>MA287</b> .....	\$120.00
20 vertical lines, 1 mm long and spaced 0.01 mm apart, intersect 20 similar horizontal lines to create a central 0.2 mm square consisting of 400 squares, each 0.01 mm. 1 mm thick slide is protected with microcoverslip. Useful for x-y calibration.	
0.04"/40 Parts Scale (0.001"), Meiji. <b>MA286</b> .....	\$120.00
0.04"-0.001"/div on 1 mm thick slide, protected with microcoverslip.	

**Stage Micrometer, Reflected Light**

1 mm/100 Parts Scale (0.01 mm), Meiji. <b>MA292</b> .....	\$230.00
1 mm-0.01 mm/div on 3 mm thick metal slide	

## Digital Cameras



### National

- Moticam A5 Digital Camera** ..... \$449.00
- 5.0 MP (2592 x 1944) resolution with 1/2.8" sCMOS Sensor (scientific Complementary Metal Oxide Semiconductor)
  - CS ring adapter
  - 4-dot calibration slide
  - MotiConnect imaging software
- Requires Windows 10 operating system or higher*



### National

- Moticam A8 Digital Camera** ..... \$483.00
- 8.0 MP (3840 x 2160) resolution with 1/3" sCMOS Sensor (scientific Complementary Metal Oxide Semiconductor)
  - CS ring adapter
  - 4-dot calibration slide
  - MotiConnect imaging software
- Requires Windows 10 operating system or higher*

## Accessories



- Adapter, CS-Mount to C-Mount, 5 mm spacer. 17110** ..... \$15.00
- Do not use this adapter ring on an existing C-mount camera, as it will negatively impact the quality and parfocality of the imaging system.*



- Couplers, Diagnostic Instruments, USA**
- 1X C-Mount for 38 mm ISO Photoport. **D10NLC** ..... \$135.00
- Fits newer Nikon and Leica microscopes*
- Couplers, National**
- 1X C-Mount for 23.2 mm ID Eyetube. **930-023** ..... \$29.00
- Lens free - this coupler is not parfocal*

## Magnifiers



A 4X magnifying lens is attached to fine-tipped, stainless steel forceps. Forceps double as a lens support, freeing viewer's hands. Folds for storage.

- Magnifier, Forceps. M15** ..... \$4.00



Lenses are lightweight, water-clear, and shatterproof. Molded handles protect the lens and offer comfort and balance.

- Magnifier, Handle, Ultra-Optix**
- 2" Lens, 3X. **SV-2P** ..... \$5.45
- 3" Lens, 2X with 5X bifocal inset. **SV-3P** ..... \$7.45
- 4" Lens, 2X with 4X bifocal inset. **SV-4P** ..... \$12.55



Provides precise binocular viewing. Visor tilts out of the way when optical glass magnifiers are not needed. Adjustable headband is leather lined. Other magnifications and replacement lenses are available.

- Magnifier, Headband, Optivisor®, USA**
- 1.75X at 14", DA3. **ELP-503.00** ..... \$53.95
- 2.5X at 8", DA5. **ELP-505.00** ..... \$53.95
- 2.75X at 6", DA7. **ELP-507.00** ..... \$56.95
- Light Attachment, Quasar™ LED. **ELP-558.00** ..... \$31.95



View small details in low light with this compact, illuminated magnifier. Protective case keeps the lens scratch-free and serves as a handle when lens is extended.

- Magnifier, Lighted, 2 x 2" lens, 2X. SV-BPL** ..... \$7.45