

# Microscopes

## Advanced and Research Models, ML1000 series, Zenith

Versatile high performance models designed to meet the demanding requirements of the medical and research laboratory or higher education establishments but at a reasonable cost.

- ◆ Magnification 40X to 1000X (1600X with accessory eyepiece - two required for binocular models)
- ◆ Choice of monocular, binocular or digital camera models
- ◆ 45° inclined head, rotatable through 360°
- ◆ DIN standard parcentered achromatic objectives
- ◆ Co-axial coarse and fine focussing with indexed scale
- ◆ Smooth action x-y mechanical stage
- ◆ Built-in 6V 20W halogen illumination with adjustable brightness control (also supplied with plano-concave mirror in mount for field work)

### Monocular Microscope, ML1000M, Zenith

Magnification 40X to 1000X. With 45° inclined monocular head, rotatable 360°. The coaxial coarse and fine focussing controls have an indexed scale, adjustable tension control and focus-stop. Reversed position quadruple nosepiece turret. The smooth-action, mechanical stage, 120 x 140mm, features coaxial, low-drive controls and an adjustable spring-arm. Also features a bright Abbe condenser (N.A. 1.25) with iris diaphragm in centring mount and built-in 6V 20W halogen illumination with adjustable brightness control.

Eyepiece — W10XD, high eyepoint, 18mm field

Objectives — 4XD, 10XD, 40XRD, 100XRD (oil), parcentered achromatic

Supplied with dust cover. Overall 170 x 215 x 360mm W x D x H. Weight 6kg. For 230V 50Hz single phase supplies.

**MJ280-05** ML1000M, monocular

### Binocular Microscope, ML1000B, Zenith

Generally as MJ280-05 but with sliding binocular head with adjustable interpupillary distance and W10XD paired eyepieces.

Eyepieces — W10XD paired, high eyepoint, 18mm field

Objectives — 4XD, 10XD, 40XRD, 100XRD (oil), parcentered achromatic

Supplied with dust cover. Overall 170 x 215 x 360mm W x D x H. Weight 6kg. For 230V 50Hz single phase supplies.

**MJ280-35** ML1000B, binocular

### Binocular Microscope, ML1000BSP, Zenith

Generally as MJ280-35 but with Seidentopf binocular head, adjustable interpupillary distance, W10XD paired eyepieces and planachromatic objectives.

Eyepieces — W10XD paired, high eyepoint, 18mm field

Objectives — 4XD, 10XD, 40XRD, 100XRD (oil), parcentered planachromatic

Supplied with dust cover. Overall 170 x 215 x 360mm W x D x H. Weight 6kg. For 230V 50Hz single phase supplies.

**MJ280-55** ML1000BSP, binocular, Seidentopf head

### Digital Microscope, ML1000B Digital, Zenith

Magnification 40X to 1000X. With 45° inclined binocular head with adjustable interpupillary distance and rotatable 360°. The head incorporates a 1.3 megapixel (1280 x 1024 pixel) CMOS camera with USB output for connection to the user's personal computer\*. When the camera is not in use the microscope can be used normally. Coaxial coarse and fine focussing with indexed scale, adjustable tension control and focus-stop. Reversed position quadruple nosepiece turret. Mechanical stage 120 x 140mm with x-y movement and coaxial, low-drive controls. Also features a bright Abbe condenser (N.A. 1.25) with iris diaphragm in centring mount. Built-in 6V 20W halogen illumination with adjustable brightness control.

Eyepieces — W10XD paired, high eyepoint, 18mm field

Objectives — 4XD, 10XD, 40XRD, 100XRD (oil), parcentered achromatic

Supplied with USB 2.0 connection cable, application software CD and dust cover. Overall 170 x 215 x 360mm W x D x H. Weight 6.5kg. For 230V 50Hz single phase supplies.

**MJ280-75** ML1000B Digital, binocular

\* Requires a personal computer running Windows™ 2000/ XP/ Vista/ 7

### Accessories

**MJ184-25** W16XD eyepiece

**MJ288-07** 7X Huyghenian eyepiece

**MJ288-10** W10X micrometer eyepiece

**MJ288-14** Polariser and analyser kit for MJ280-series

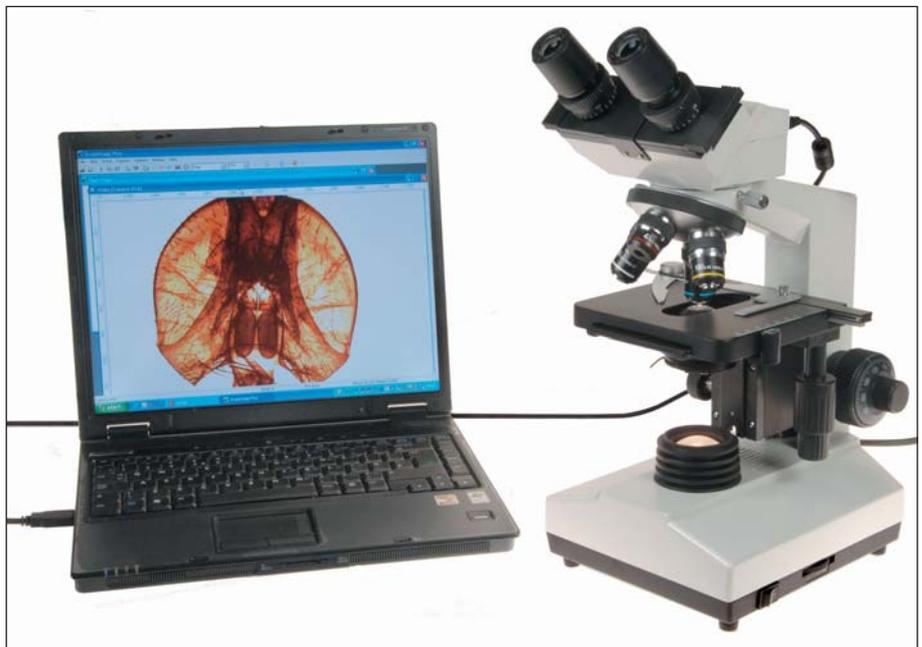
**MJ288-16** Dark field condenser (dry, N.A. 0.7 to 0.9)

**MJ288-18** Dark field condenser and 100X planachromatic objective with iris diaphragm, for oil immersion (N.A. 1.25 to 1.36)

**MJ288-25** Spare 6V 20W bulb for MJ280-series



**MJ280-05**



**MJ280-75 in use, MJ280-35 and -55 are similar**