

## Stereo/Dissection Microscope XTL3101



The XTL3101 stereo zoom binocular microscope is ideal for entomologists, botanists, zoologists, geologists and forensics. This microscope provides stunningly good images on a versatile, top and bottom illuminated stand. Includes a high performance binocular headed, research grade, stereo zoom microscope on an excellent research grade stand. This microscope is manufactured by GX Microscopes and is the most popular configuration in its class. It has a wealth of upgrade options. It has everything you would expect to find on a microscope costing very much more. This top quality microscope is ideal for industrial inspection tasks, research, veterinary operations, palaeontology, botany and entomology to any level. It is simple to use, advanced and very robustly constructed with excellent optical performance and has a full 1 year manufacturer's warranty.

The XTL3 head of the microscope is a binocular type which is supplied with a pair of widefield 10x eyepieces and eyeguards. There is diopter adjustment on both of the eyepiece tube to ensure that differences between your eyes can be comfortably accommodated. The distance between the eyepieces is also cleverly adjustable using advanced optical designs to achieve it without affecting the optical clarity. The microscope is supplied with a pair of 10X Widefield eyepieces, higher power eyepieces are available if required. There is even a pair of rubber eyeguards which protect spectacles and the eyepieces from damage whilst making observations.

Magnifications are selected using the zoom knob on both sides of the microscope head which provide a continuous range from 7X to 45X (with 10X eyepieces). When set up properly the image remains in focus throughout the focus range. This range of magnifications can be extended to 3.5X to 210X by adding inexpensive auxiliary objectives and higher power eyepieces which are readily available.

The head of the microscope is mounted in a focussing ring which has a tension adjustable focus knob controlling a rack and pinion. The focussing ring in turn is mounted on the high quality '101' pillar stand which has built in, adjustable intensity, top spot light (anglable) and a halogen G4 base lamp which provides light through the opaque cover. Additionally a black cover is also provided for the viewing area. The stand is the pillar type which is the most versatile laboratory stand available as the head of the microscope can not only be focussed up and down, but the entire focus mechanism and head can be moved up and down the pillar to accommodate very large specimens if needed.

The head of the microscope is all metal and both the stand and head have a tough stain resistant paint finish. The optics within the head of the microscope are considered to be some of the best quality available in the industry and give absolutely excellent, bright, crystal clear images to both the eyepieces. The microscope is supplied with a full manual.

### Optional extras available include:

#### Mechanical stages

#### Auxiliary objectives (when used with 10X eyepieces):

- 0.5X (changes mag range to 3.5X to 22.5X and increases working distance from 88mm to 137mm)
- 0.75X (changes mag range to 5.3X to 33.75X and increases working distance from 88mm to 103mm)
- 1.5X (changes mag range to 10.5X to 67.5X and decreases working distance from 88mm to 48mm)
- 2X (changes mag range to 14X to 90X and decreases working distance from 88mm to 25mm)

#### Eyepieces:

- Pair 15X
- Pair 20X
- Pair 25X
- 10X with reticle scale
- 20X with reticle scale

#### Illumination options:

- LED Ring Lights
- Fibre Optic Ring Lights
- Fibre Optic Goosenecks
- Free Standing LED and Halogen Spot Lights
- LED Goosenecks

#### Camera Options:

- Camera Adapters
- Microscopy Cameras
- Measurement software