

Brunel SP500 XP

The Brunel SP500XP is a polarisation variant of the Brunel SP500 biological microscope. The instrument has the same stand but has the full specification for polarisation microscopy.

- Trinocular head with x10 widefield eyepieces. There is full interocular and dioptic adjustment, and the lighting control allows either full eyepiece or CCTV eyetube illumination.
- A large modern design, stable base, with ergonomically positioned coaxial coarse and fine focus controls. There are independent tension and focus stop controls that can be adjusted to suit the individual.
- The rotating circular stage has a ball bearing race for smooth movement and a well defined chapter ring for graduation measurement. Stage clips are supplied as standard, but there is the option of an attachable specimen driver with 'mushroom' controls to avoid damage to the objectives.
- The infinity corrected objectives are strain free and provide an excellent optical quality. x4, x10, x40 and x100 (oil). Each has an adjustable seat with lateral movement controls to ensure that each objective can be positioned in the centre of the optical axis.
- The SP500XP has a graduated analyser, that can be rotated through 90° and a push/pull lever that allows the analyser to be introduced or removed from the optical path. There is a filter slot that allows the introduction of the quartz wedge, lambda and ¼ lambda wavelength plates.
- A Bertrand lens can be introduced to allow conoscopic assessment, and has centring adjusters to ensure correct alignment.
- The polariser is housed in a swing out holder with graduation and an indexing click stop at 360°. The substage condenser has full lateral position adjustment and an iris diaphragm, together with a flip top lens to ensure full field illumination at all magnifications.
- With polarisation microscopy, illumination is very important and the SP500XP has an excellent Kohler illumination system, with field iris, that provides an excellent level of brightness throughout the magnification range. The rheostat controlled quartz halogen illumination is housed in a removable unit at the back of the stand. A wide range of accessories is available for this quality instrument.

www.educationalmicroscopes.co.uk

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