

## Brunel SP500

The Brunel SP500 is a superb laboratory specification trinocular microscope with excellent IOS infinity corrected coated plan objectives x4, x10, x20, x40 and x100 (oil). The SP500 is a large instrument with a very elegant and modern design, and is the latest addition to our range. The large rectangular mechanical stage has coaxial drop down controls. The excellent quartz halogen illumination system is built on the Kohler principle. There is tension adjustment and a variable safety stop fitted to the focus mechanism.

There is an excellent range of accessories including a full polarisation kit incorporating a rotating graduated circular stage.

### **Technical specification:**

The die cast microscope body is well balanced and extremely stable. The trinocular head is 30 degree inclined and fully rotatable, with the option of 100% light to the binocular eyetubes or an 80%/20% split to the trinocular phototube.

The SP500 has a coaxial coarse and fine focus system with tension adjustment and focus safety stop. The mechanical stage has a simple release mechanism so that it may be replaced easily by a circular polarising stage (optional accessory), and has low position coaxial position controls. The stage area is 175 x 145mm with a 75 x 50mm moving range. Left and right hand options are available. There is a filter slot beneath the microscope head for polariser and wavelength retardation plates (optional extra).

A major feature of the SP500 is the excellent Kohler illumination system. The state of the art electronics allows any input voltage between 90 to 240 volts, and the 6v 30 watt lamp housing is placed at the back outside of the base. Field iris and the substage has a flip top lens for numerical aperture variation.

Measurements: height 490mm, foot print 240 x 210mm, weight 10 Kgs.

### **Optical specification:**

X10 super widefield eyepieces measuring 30mm in diameter. Quintuple inverted objective turret with ball bearing race and internal indexing. ISO infinity corrected plan objectives.

The SP500 has a wide range of attachments including phase contrast, wet and dry dark ground condensers, and a polarisation set including circular stage. Additional eyepieces, photography, CCTV and digital camera accessories are also available.

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