

**SP500 Infinity Research Microscope**

The Brunel SP-500 is a research specification microscope with excellent infinity corrected plan achromatic objectives. Available in trinocular form, this is a large and well engineered instrument with modern ergonomic styling. An elegant microscope designed for ease of use and flexibility of application with a very wide range of accessories and specification options. The die cast metal body is well balanced and extremely stable with a cut away base to minimise forearm strain. The SP-500 has a modular approach and the large square mechanical stage is available in a left hand version and can easily be replaced with a graduated rotating circular platform, by releasing a single thumb nut clamp. The reversed quintuple nosepiece has very positive and precise indexing, and the parfocal, infinity corrected objectives are of excellent standard. The rear, push fit lamp housing is easily removed for bulb changing and adjustment, and the rheostat controlled quartz halogen illumination will accept 90 to 240 volts electricity supply without the need for adjustment.

Objective	Numerical aperture	Working distance
x4	0.10	7.18mm
x10	0.25	4.7mm
x20	0.40	1.75mm
x40	0.65	0.72mm
x100	1.25	0.15mm



Low position coaxial coarse and fine focus control with tension adjustment and variable safety stop.

Integral 6 volt 30 watt Kohler illumination system, with field iris and flip top N.A. 1.2/0.22 achromatic condenser.

Inclined and rotating trinocular head with options of 100% light to the binocular or a 20%/80% split.

Parfocal plan infinity objectives with colour coding and front lens spring loading for the high powers.

The wide field eyepieces have a push fit retaining collar for micrometer and graduated graticules.

10x high eyepoint spectacle wearers plan eyepieces with a 22mm field of view.

Low position coaxial control mechanical stage measuring 175 x 145mm, with 75 x 50mm movement range.

Filter slots for polarisation and other filters.

Full centring substage condenser with internal iris diaphragm and filter carrier.

Height 400mm: Footprint 370 x 260mm: Weight 10kgm.

A particular feature of the SP-500 is the excellent range of accessories, that includes phase contrast, wet and dry dark field and polarisation options. Adapters are also available for all types of photomicrography, CCTV and computer image capture. The SP-500 is also available equipped as a full specification polarising microscope with Bertrand lens, quartz wedge and retardation plates.



x15 eyepieces (pair)	SP510	x10 eyepiece with cross hair	SP517	Stage micrometer	SP524
x10 measuring eyepiece	SP511	Left hand mechanical stage	SP518	Wavelength retardation plate	SP525
x3.2 photoeyepiece	SP512	Dark field condenser (dry)	SP519	Spare halogen bulb	SP526
SLR camera adapter	SP513	Dark field condenser (oil)	SP520	T2 ring (state camera make)	SP527
SLR parallax camera adapter	SP514	Zenicke phase contrast set	SP521	Eyecups (pair)	SP528
Unilink digital camera adapter	SP515	Rotating circular stage	SP522	Spare dust cover	SP529
CCTV adapter	SP516	Polariser/analyser filters	SP523	Phase contrast telescope	SP530