

Brunel Microscopes Ltd



Brunel SP500 Infinity Microscope

The Brunel SP500 is a superb laboratory specification trinocular microscope with excellent IOS infinity corrected coated plan achromatic objectives. The SP500 is a large instrument with a very elegant and modern design, and is the latest addition to our range. There is an excellent range of accessories including phase contrast and dark ground systems.



Focus safety stop



Infinity Corrected Plan Objectives

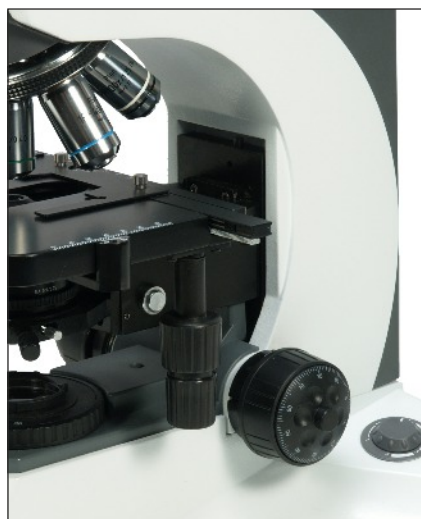
The die cast microscope body is well balanced and extremely stable. The trinocular head is 30 degree inclined and fully rotatable, with the option of 100% light to the binocular eyetubes or an 80%/20% split to the trinocular phototube. The SP500 has a coaxial coarse and fine focus system with tension adjustment and a focus safety stop. The mechanical stage has a double vernier scale for specimen location, and has low position coaxial controls. The stage area is 175 x 145mm with a 75 x 50mm moving range. There is a double filter slot beneath the microscope head for polariser and filter insertion.

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 100 watt lamp housing is placed at the back outside of the base. The field iris is in the base of the microscope and the substage condenser has a flip top lens to ensure full field of view illumination at all magnifications. This is a substantial microscope which is reflected in its dimensions.

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



Kohler Illumination



Coaxial focus control

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 polarisation filters. Additional eyepieces, photography, CCTV and digital camera accessories are also available.

Objective	N.A.	W.D. mm
x4	0.10	7.2
x10	0.25	4.70
x20	0.40	1.75
x40	0.65	0.72
X100 (oil)	1.25	1.22

SP500 Objectives Information



SP500 Infinity Microscope

SP500 Infinity Accessories

The full list of current accessory prices is available on our web site www.brunelmicroscopes.co.uk, however the more specialised items are listed below

X10 widefield eyepiece	SP500-01	Zernike Phase Contrast set	SP500-09
x15 widefield eyepieces	SP500-02	Stage micrometer	SP500-10
T2 ring (state camera make)	SP500-03	Polariser/analyser set	SP500-11
CCTV adapter	SP500-04	6 volt 100 watt bulb	SP500-12
Dark ground condenser dry	SP500-05	SLR camera adapter	SP500-13
Dark ground condenser oil	SP500-06		
Unilink digital camera adapter	SP500-07		
Photoeyepiece	SP500-08		

Brunel Microscopes has a suite of Microscopy and Computing related websites.

[Brunel website](http://www.brunelmicroscopes.co.uk)

www.brunelmicroscopes.co.uk

[Brunel Online shop](http://www.brunelmicroscopessecure.co.uk)

www.brunelmicroscopessecure.co.uk

[Used Microscopes range](http://www.usedmicroscopes.co.uk)

www.usedmicroscopes.co.uk

[Microscopy Training Courses](http://www.microscopytraining.co.uk)

www.microscopytraining.co.uk

[Microscopy Auctions](http://www.microscopeauctions.co.uk)

www.microscopeauctions.co.uk

[Image Capture](http://www.microscopyimaging.co.uk)

www.microscopyimaging.co.uk

[Digital Microscopy](http://www.digital-microscopes.co.uk)

www.digital-microscopes.co.uk

[Educational Microscopes](http://www.educationalmicroscopes.co.uk)

www.educationalmicroscopes.co.uk

[Microscopy Safety](http://www.microscopysafety.co.uk)

www.microscopysafety.co.uk

[Brunel Computing](http://www.brunelcomputing.com)

www.brunelcomputing.com

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