

Brunel Microscopes Ltd



Brunel SP300P Microscope

The SP300P is the flagship polarising microscope in the Brunel range. Made to an exacting standard and with a very modern stand design. This microscope has a full polarising specification that makes it ideal for professional applications such as asbestos identification.

The SP300P microscope comes with a trinocular head with full interocular and dioptic adjustment, and is supplied complete with x10 widefield and crosshair eyepieces. One of it's features is a slider analyser filter with a remote rotating circular scale that is very easy and convenient to use. This graduated control rotates the internal analyser.



Graduated fine focus



Swing out polariser

The microscope has a quadruple objective turret with x4, x10, x40 and x60 planachromatic long working distance, which are strain free polarising objectives. Three of the settings have lateral adjustment to allow the objectives to be centred in the optical path. The fourth objective (x40 recommended) is centred using the lateral adjusters of the specimen stage. A slide in Bertrand lens with lateral position adjusters ensures centralising in the optical path for conoscopic examination, and the polarising head unit houses a filter slot to accommodate the quartz wedge, wavelength and quarter wavelength retardation plates. The circular stage is mounted with ball bearings to allow rotation, and has lateral position adjusters to centre it relative to the non adjustable objective. The other objectives are then fine adjusted to centre. This a more sensitive and accurate system than having all objectives adjustable with a non moving stage.



Graduated circular stage



Analysing filter

The polarising filter is in a swing out unit at the base of the condenser with 360 degree rotation with click indexing. The SP300P has low position coaxial coarse and fine focus controls with tension adjustment and variable focus stop. The fine focus controls are graduated to facilitate depth measurement. A full Kohler illumination system with a field lens and iris diaphragm can be found built in, and the microscope also has a rheostat controlled 2 volt 20 watt illumination system that has an easy bulb change trap door in the bottom of the microscope stand.

The SP300P polarising microscope represents a breakthrough in the development of affordable professional polarising microscopes and has an extensive range of accessories including CCTV and digital camera adapters.



SP300P Trinocular Microscope

SP300P 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

x15 widefield eyepieces	SP300P-01	Wooden case	SP300P-07
x20 widefield eyepieces	SP300P-02	Stage micrometer	SP300P-08
T2 ring (state camera make)	SP300P-03	Mechanical specimen driver	SP300P-09
CCTV adapter	SP300P-04	x60 plan objective	SP300P-10
X10 eyepiece graticule	SP300P-05	SLR camera adapter	SP300P-11
Unilink digital camera adapter	SP300P-06	6 volt 20 watt bulb	SP300P-12

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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SP300P 2D Dimensional Drawing

