

Brunel Microscopes Ltd



Brunel SP110M Metallurgical Microscope

The SP110M is an extremely versatile metallurgical microscope . The pole stand and base arrangement allows large surface areas as well as very thick materials to be examined. This is an ideal instrument for the inspection of surfaces of all types and electronic circuit boards for example. It is also extremely effective for specimen measurement.

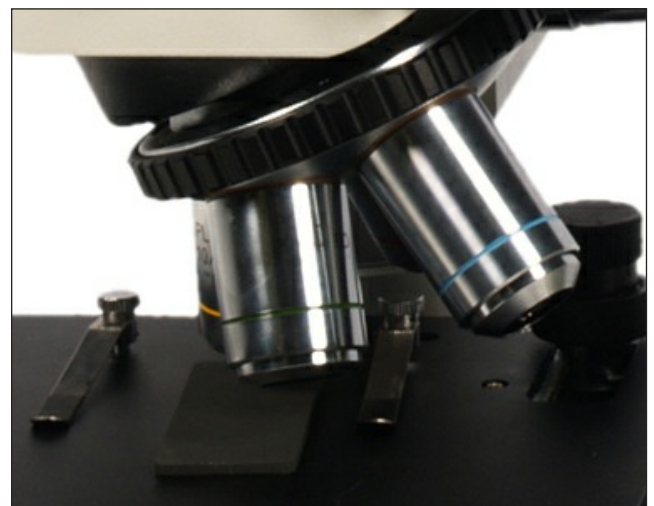
The infinity plan objectives are both bright field and dark field and of excellent quality. The illumination system has a stand alone transformer delivering 12 volt 30 watt output. The incident lighting has an integrated field and aperture diaphragm allowing Kohler illumination. The SP110BD can be toggled between bright and dark field observation simply , by a push/pull lever. Similarly polarisation filters can be introduced to the optical path, and the polarising filter can be rotated through 360° via a thumb wheel arrangement.

The lamp housing has full bulb holder adjustment, with bulb filament focusing to ensure optical path alignment.. The microscope base has a central raised mechanical stage area measuring 185 x 140mm with a movement range of 35 x 30mm. This element can be removed, and the instrument supplied with a large square stage with no mechanical adjustment.

The whole optical unit can be moved up and down the pole stand to accommodate a wide variety of specimen thickness, with fine focus being by a rack and pinion system with full tension adjustment.



SP110M Trinocular head



SP110M Infinity plan objectives



SP110M Illumination System



SP110M Analyser/Polariser Filters

Objective	Working Distance	N.A.
x5	9.7mm	0.12
x10	9.3mm	0.25
x20	7.2mm	0.40
x50	2.5mm	0.70

SP110M Microscope Objective Information

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)

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[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)

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

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

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