

Brunel Microscopes Ltd



Brunel SP30 and SP40 Microscopes

Westbury SP30 Monocular

The Westbury SP series has recently undergone a style improvement, giving the instruments a very modern appearance. They are high power microscopes with a robust high quality design and finished to an excellent standard. The impressive specification of this range is considered ideal for the advanced student or professional. Standard features of the series are: Quadruple nosepiece turret. The eyetube units, monocular and binocular, are inclined and fully rotatable through 360 degrees. Rack and pinion coarse and fine focus mechanism.



SP30 Binocular Head



SP30 DIN Standard Parfocal Objectives

The SP30 monocular is available with LED lighting making the microscope truly portable. The triple LED lighting is powered by internal rechargeable batteries, and the recharging plug transformer is supplied. An overnight charge will allow a full 8 hours use with rheostat brightness control. The LED version can also be used connected to a mains power supply when the batteries are low. An excellent innovation. Not available for the SP40 binocular. All models have a full substage which includes an Abbe condenser with an independent focus control (N.A. 1.25), iris diaphragm and filter carrier. DIN standard parfocal objectives. The high power objectives have retractable front lenses for slide safety. Focus stop. Inbuilt illumination with a 20 watt quartz halogen rheostat controlled lighting system. The monocular and binocular versions are available with a very effective multiple LED lighting system. This enables the microscope to be used away from an electricity supply for up to 40 hours from one charge.



SP30 Mechanical Stage



SP30/SP40 Quartz Halogen lighting

A particular feature of the SP30 microscopes is that both the LED and mains voltage options can be fitted with a photography head (illustrated). The vertical monocular tube allows a still image camera (digital or film) or a CCTV unit (or camcorder) to be used at the same time that the specimen is observed down the inclined eyetube. This makes the SP30 an attractive option for low budget teaching and demonstration purposes - particularly for magnifications up to x500. The SP30 LED is illuminated by a small cluster of LED units. These high emission, durable lights are low voltage and are operated from internal rechargeable batteries, yet give illumination quality that is equal to conventional mains voltage lighting. The SP30 LED can be used either from its internal batteries or from its mains adapter plug.

Westbury SP30 Monocular. x10 widefield eyepiece. DIN standard objectives x4, x10, x40, x100 (oil). Magnification range x40 - x1000. Full substage condenser. Inbuilt 240 volts halogen illumination or LED depending on choice. Mechanical stage. Extremely good value for money.

Westbury SP40 Binocular

The Westbury SP40 is a modern design binocular microscope, with many of the features often associated with binocular microscopes of a much greater price. Of particular note are the quartz halogen rheostat controlled illumination system, the backwards facing objective turret and the low position coaxial focus controls. The binocular head allows interocular and dioptic adjustment, and the objectives are Achromatic DIN standard parfocals, x4, x10, x40 and x100(oil), matched with x10 widefield eyepieces (giving a magnification range of x40 - x1000). Adjustable focus stop and tension adjustment. Full mechanical stage with drop down coaxial controls and double vernier. The substage condenser has rack and pinion focus control with an iris diaphragm and filter carrier. It is also available with LED illumination. A modern style instrument with a very good specification for the price.



SP40 Binocular Microscope

The Westbury range accessories includes a teaching head (only fits SP30), which consists of a monocular viewing eyetube and a vertical monocular tube with independent focusing to obtain a parallax position with most optical equipment.

CCTV attachments, photomicrography heads, polarising attachments and measuring eyepieces are also available.



SP30/SP40 LED Illumination



SP40 Aluminium Attache Case

SP30 and SP40 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

Teaching Head (SP30 only)	WSTBRY-01	Polariser/analyser SP30	WSTBRY-07	x20 objective	WSTBRY-13
Photography Adapter SP30	WSTBRY-02	Polariser/analyser SP40	WSTBRY-08	x60 objective	WSTBRY-14
Photography Adapter SP40	WSTBRY-03	Stage Micrometer	WSTBRY-09	Demonstration eyepiece	WSTBRY-15
x15 widefield eyepiece	WSTBRY-04	Unilink digital camera adapter	WSTBRY-10	Wooden case	WSTBRY-16
x20 widefield eyepiece	WSTBRY-05	Aluminium Attache Case	WSTBRY-11		
Measuring Eyepiece	WSTBRY-06	CCTV adapter	WSTBRY-12		

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

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

www.brunelmicroscopes.co.uk

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

www.microscopytraining.co.uk

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

www.digital-microscopes.co.uk

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

www.brunelmicroscopessecure.co.uk

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

www.microscopeauctions.co.uk

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

www.educationalmicroscopes.co.uk

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

www.usedmicroscopes.co.uk

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

www.microscopyimaging.co.uk

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

www.brunelcomputing.com

SP30 and SP40 2D Dimensional Drawing

