

# Brunel Microscopes Ltd



Brunel SP98I Microscope

The Brunel SP98I is a significantly larger version of our popular SP95I. Designed as an inverted biological microscope its principal applications are in tissue culture work and microbiology. The SP98I can take a wide array of flasks and culture bottles and has a series of appropriate stage inserts. The mechanical stage is substantial in size and the coaxial drop down stage controls can easily be removed by loosening thumb screws to allow the examination of vessels with a larger area than the stage. The condenser system is hinged close to the stand body and can be completely removed from the stage area to allow tall flasks to be positioned. The SP98I has a four position objective turret with long working distance bright field and phase contrast plan achromatic objectives. The x25 and x40 phase objectives are additional accessories.



**SP98I lighting and condenser**

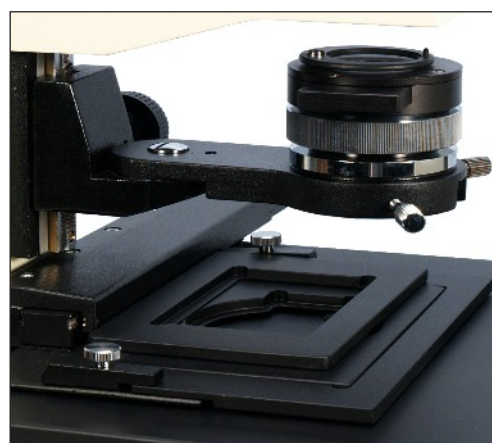


**SP98I four position objective turret**

The standard condenser assembly incorporates a long working distance lens system with a 50mm focal length. An ultra long working distance condenser with a working distance of 70mm is available as an optional accessory. There is a filter slot within the condenser housing for slider plates incorporating phase rings for the phase objectives. These can be centred independently of the condenser centring.

Plan Objective	N.A.	W.D.
x10	0.25	8.1mm
x25	0.40	4.8mm
x40	0.60	3.3mm
X10 phase	0.25	8.1mm
X25 phase	0.40	4.8mm
X40 phase	0.40	3.3mm

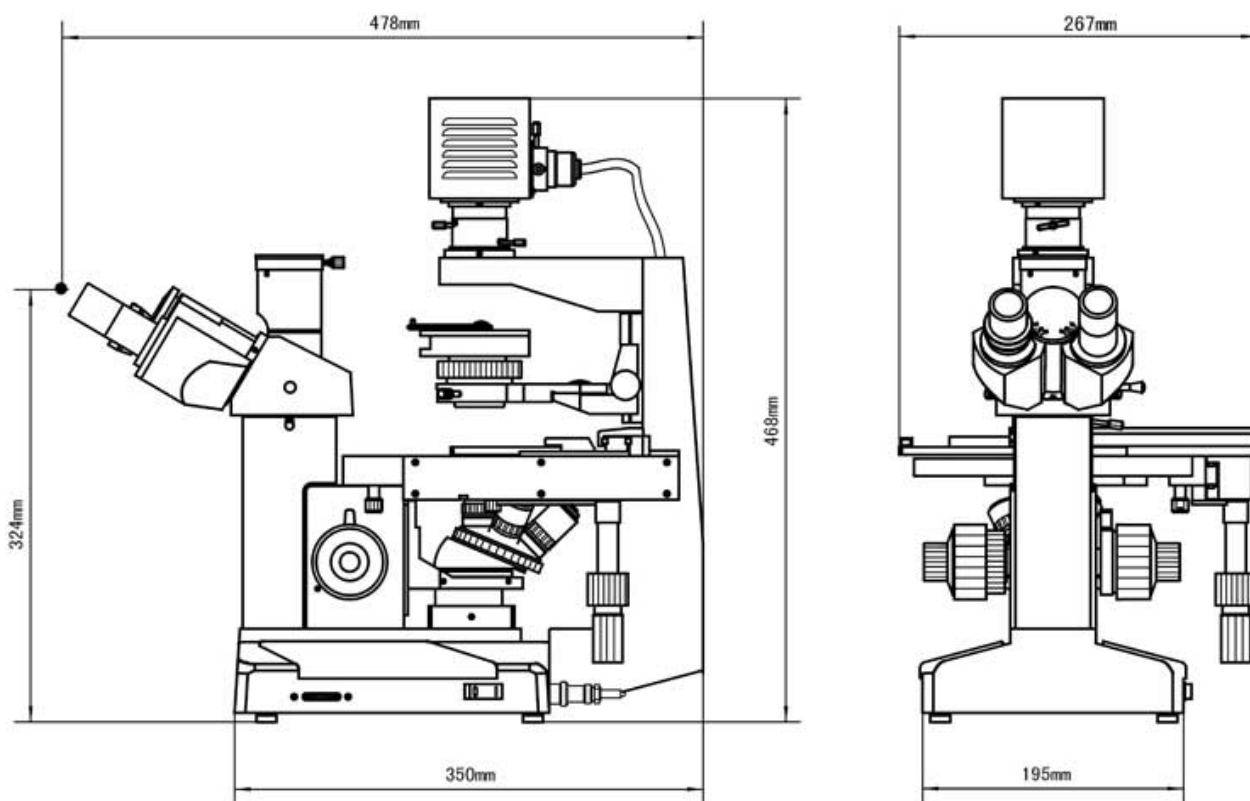
**SP98I Objectives Information**



**SP98I Stage assembly**

The stage has a moveable range of 79 x 112 mm through its mechanical drive that can be removed to allow hand movement of larger objects. The low position coarse and fine focus controls are coaxial and includes a tension adjustment system and a variable focus stop arrangement that can control the maximum position of the objective turret. The microscope head is trinocular with a push/pull lever to allow light to the camera port. The binocular eyetubes have an adjustable interpupillary distance between 53 and 75mm, and one eyetube as dioptric focus control. The lighting system is quartz halogen 6 volt 30 watt, with an on/off switch and rheostat control on the right hand edge of the stand base.

## SP98I 2D Dimensional Drawings



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

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

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

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