

Brunel SP400 Trinocular

The Brunel SP400 is a quality multipurpose universal microscope that has both transmitted and incident illumination systems, and can be used for the study of conventional slide preparations and the surface of opaque objects.

The quintuple objective turret is equipped with excellent long working distance infinity corrected plan objectives, that are parfocal with spring loaded front lenses in the x40 and x80 lenses. The SP400 is supplied with x10 widefield eyepieces as standard. x15, x20 and measuring eyepieces are available as accessories.

The large rectangular mechanical stage has long arm drop down controls and a removable glass centre that allows transmitted illumination and also serves as a support for opaque specimens. The substage condenser is fully focusing and centring with iris diaphragm and filter carrier. Stage and objective safety stops.

The transmitted lighting is 6 volt 30 watt quartz halogen that is rheostat controlled. The field iris allows Kohler illumination. For polarised lighting the field lens is capped with a polarisation filter.

The incident illumination system incorporates a separate light housing with 6v 30 watt quartz halogen source. The bulb filament can be accurately positioned using three adjusters. The incident light path has an adjustable focus lens, double iris with centring mechanism. There is a rotating plate with coloured filter, polariser and frosted filter options.

Within the trinocular head is an analyser filter that can be inserted via a push/pull lever into the optical path for both the transmitted and incident illumination. The analyser is fully rotating via a linkage to an external graduated thumb wheel. The analyser can be removed from the optical path for plane polarised lighting.

The trinocular tube will accommodate adapters for CCTV and digital still cameras, including a parallax system for SLR camera backs. A push/pull lever diverts light via a sliding prism to the camera tube.

The SP400 is a modern design instrument with an excellent optical performance at a very affordable price.

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