SP95M Inverted Metallurgical Trinocular

The SP95M is a particularly well built inverted trinocular metallurgical microscope, that is ideally suited to the examination and analysis of metals and alloys, together with raw and processed opaque substances of all types.

- Large square mechanical stage with drop down coaxial controls measuring 200 x 152mm. Central removable plate and variable depth specimen clip.
- Coaxial coarse and fine focus controls with safety stop and tension adjustment.
- Quintuple objective turret with positive indexing and excellent quality long working distance plan objectives.
- Widefield x10 and x16 eyepieces supplied as standard.
- 6 volt 20 watt quartz halogen rheostat controlled Kohler illumination. The bulb housing has positioning controls and a field condenser lens. The illumination system contains both an aperture and field diaphragm with lateral adjustment mechanism.
- The interpupillary distance varies between 53 - 75mm with one eyetube having dioptric adjustment.
- Height 470mm Footprint 450 x 400mm. Weight 8Kgms

Objective	N.A	W.D
x5	0.12	18.3mm
x10	0.25	8.9mm
x20	0.40	8.7mm
x40	0.60	3.7mm
x100 (oil)	1.25	0.44mm

x10 micrometer eyepiece	SP95M01	Digital camera adapter	SP95M04	x2.5 photoeyepiece	SP95M07
Stage micrometer	SP95M02	35mm slr camera adapter	SP95M05	CCTV camera adapter	SP95M07
x80 LWD plan objective	SP95M03	Parallax camera adapter	SP95M06	x20 LWD plan objective	SP95M08

SP600M Metallurgical Trinocular

The Brunel SP600M is a heavyweight industrial metallurgical microscope built to a very exacting standard. A particular feature of this instrument is the magnificent dual action mechanical stage. This is large enough to accommodate the largest of specimen surfaces. Movement can be via a rapid and very smooth gliding system controlled by a simple drop down handle. The glide mechanism allows very rapid screening of a large specimen and the identification of areas that require further more detailed study. In addition the stage has a conventional rack and pinion mechanical movement, controlled by the usual drop down coaxial system. Focus is obtained by vertical movement of the stage via low position coaxial coarse and fine focus controls.

- The stage platform measures 300 x 300mm with a central contrast insert that can be white or black. The gliding mechanism allows movement of 203 x 203mm and the rack and pinion 153 x 153mm.
- Quintuple nosepiece with plan achromatic objectives corrected for use without coverslips.
- Variable tension adjustment and focus safety stop controls.
- x10 widefield eyepieces. Trinocular head with interpupillary and dioptric adjustment.
- Incident illumination system with field and aperture diaphragm controls allowing Kohler illumination. 6 volts 20 watt rheostat lighting.
- The SP600M is equipped with a filtration system that allows the introduction of a polarising filter. The analyser filter can then be adjusted to obtain a polarisation analysis of the specimen.
- Full lamp assembly adjustment and filtration options.
- Height 480mm. Footprint 450 x 300mms, weight 18.5Kgms.

Objective	N.A	W.D
x5	0.12	18.3mm
x10	0.25	8.9mm
x20	0.40	8.7mm
x40	0.65	3.7mm
x80	0.80	0.96mm

x16 eyepieces (pair)	SP6001	Digital camera adapter	SP6004	x2.5 photoeyepiece	SP6007
x10 micrometer eyepiece	SP6002	35mm slr camera adapter	SP6005	CCTV camera adapter	SP6008
Stage micrometer	SP6003	Parallax camera adapter	SP6006	Spare bulb	SP6009