

**Brunel SP-80 Trinocular Metallurgical Microscope**

This is a well constructed professional standard instrument with an elegant modern design. The SP80 combines durable build quality and fine optical performance at a very competitive price. The trinocular head has full interpupillary and dioptic adjustment.

- Triple objective turret with a ball bearing race and very positive internal indexing mechanism. Good quality planachromatic metallurgical objectives (non coverslip) x4, x10 and x40. Complete with x10 eyepieces
- Full mechanical stage with drop down coaxial controls, double vernier and specimen clips.
- The epi-illumination system incorporates a 12 volt 20 watt quartz halogen light source with bulb centring mechanism. The field lens and double iris system with centring mechanism insures a good even field illumination. There are filter slots in the illumination path and microscope head.
- Low position coaxial coarse and fine focus controls, with graduation for assessment of depth. The focus system includes a tension adjustment together with a focus stop mechanism that can set to suit the individual.
- Dimensions: 390 x 180 x 150mm Weight: 5 Kgms.

x10 measuring eyepiece	SP801	x3.2 photoeyepiece	SP805	Simple CCTV adapter	SP809
Stage micrometer	SP802	Photomicrography parallax	SP806	Polariser/analyser filters	SP810
Photomicrography attachment	SP803	Digital camera adapter	SP807	Wooden case	SP811
T2 ring state camera make	SP804	CCTV adapter	SP808	Spare bulb	SP812

**Brunel SP-200-XM Trinocular Metallurgical Microscope**

The Brunel SP200XM is an industrial standard metallurgical trinocular microscope with a large specimen stage. Finished in beige enamel with a superior build quality. The trinocular head allows full illumination to the binocular eyetubes or to the trinocular eyetube for photography.

- Non coverslip adjusted planachromatic objectives x4, x10, x40 and x60.
- x10 widefield eyepieces. Full interocular and dioptic adjustment.
- The mechanical stage platform measures 140 x 185 mm with drop down coaxial controls.
- Low position coaxial coarse and fine focus controls with tension adjustment and variable focus stop.
- 6 volt 20 watt quartz halogen incident illumination system. The lamp housing incorporates bulb position adjustment and focusing lens. The incident illumination system is a sophisticated assembly with a double iris system each having positional adjusters. The five position rotating filter wheel allows the introduction of either colour or neutral density filters.
- The trinocular head incorporates a push/pull polarising filter that allows polarised illumination. The analysing filter can be rotated through 90° to achieve a crossed polariser effect.
- The trinocular head allows illumination to the binocular eyetubes or to be diverted to the photomicrography tube depending on choice.
- The illumination electronics allow internal switching between 240 and 110 volts giving the SP200XM world wide application.
- Dimensions: 430 x 420 x 200mm Weight 7Kgms



Objective	N.A
x4	0.10
x10	0.25
x25	0.40
x40	0.65

x10 measuring eyepiece	SX201	x2.5 photoeyepiece	SX205	CCTV adapter with graticule	SX209
Stage micrometer	SX202	Photomicrography parallax	SX206	x15 widefield eyepieces	SX210
Photomicrography attachment	SX203	Digital camera adapter	SX207	x20 LWD plan objective	SX211
T2 ring state camera make	SX204	CCTV adapter	SX208	x80 LWD plan objective	SX212