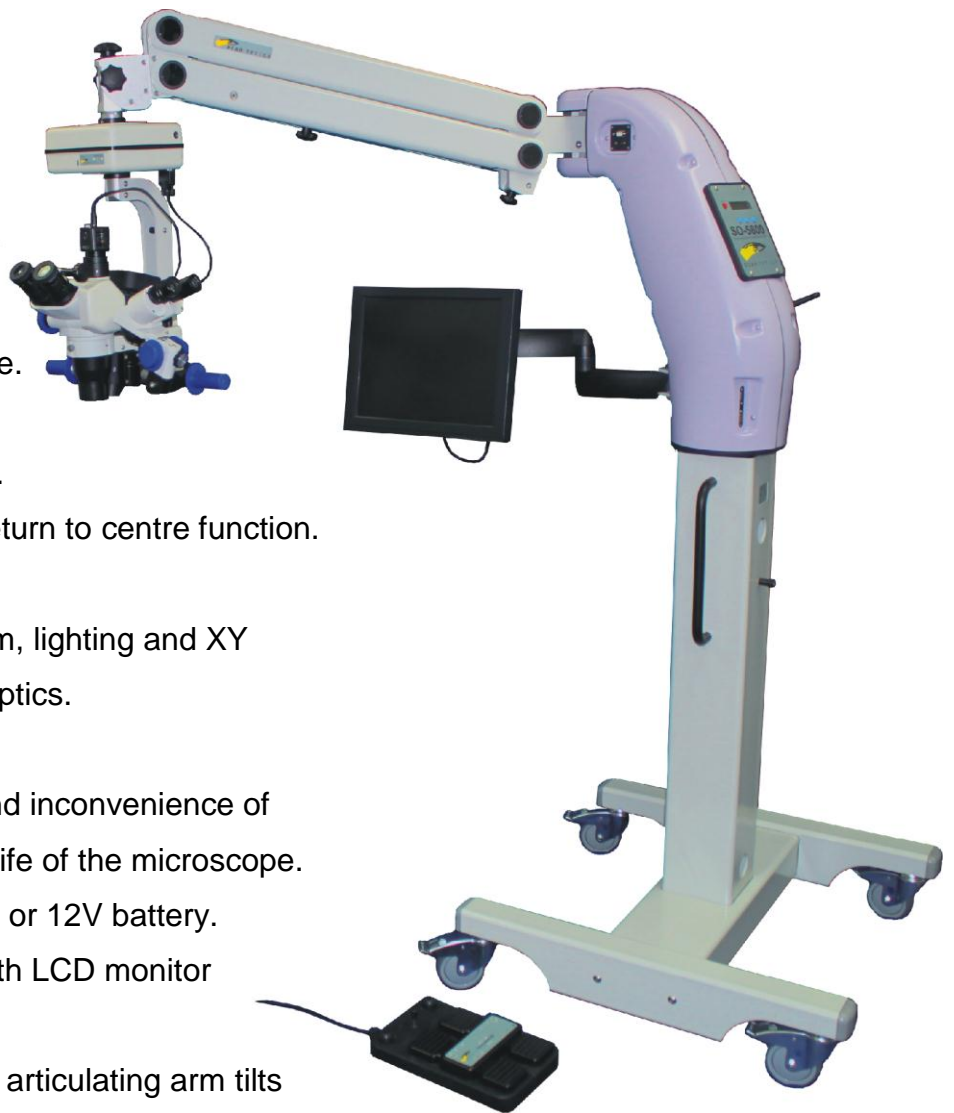


SO-5800

XY Surgical Microscope

- LCD function display.
- Inbuilt function monitoring.
- Fully integrated microscope.
- XY location movement
 - $\pm 25\text{mm}$ from centre.
 - Sterile (no-touch) return to centre function.
- Floor stand mounted.
- Foot controlled focus, zoom, lighting and XY
- High resolution Olympus optics.
- Coaxial LED light
 - Remove the cost and inconvenience of spare bulbs for the life of the microscope.
- Universal AC voltage input or 12V battery.
- coaxial streaming video with LCD monitor
- Assistant Microscope.
- Video monitor mounted on articulating arm tilts and rotates over 180deg.



The SO-5800 XY Surgical Microscope is the ideal instrument for the modern surgery room. It provides a low cost, yet high quality instrument suitable for the simplest to the most complex of procedures.

Features of this model includes the foot controlled XY, focus and zoom. Based on high intensity solid state LED technology, the light colour is similar to halogen light and gives low light scatter in the lens and maximum red reflex.

Ergonomic design coupled with modern technology and precision optics, this microscope is worthy of any hospital or clinic.

S P E C I F I C A T I O N S

OPTICAL HEAD

Viewing System	Binocular stereoscopic, convergent angle 10° for viewing comfort. Image erection by high resolution prism system.
Eyepieces	Tube inclination 45° High field number 22 for wide field of view High eye relief 24.6mm and reversible eye cups for ease of use by spectacle wearers.
Magnification	Zoom, 4.2x to 25x continuous.
Field of View	53mm to 9mm depending on magnification.
Refractive Error Correction	±5D anisometropia
Pupillary Distance	50mm to 76mm, eyepiece tubes locked for ease of adjustment.
Working/focal Distance	180mm from Aux Objective lens
Focusing	Fine focus range ±25mm.
Mould Protection	Anti-fungus pellets (three year protection) standard.

ILLUMINATION

Type	Coaxial, direct optical delivery system.
Lamp	20W LED, 65,000 lux, lifetime of the microscope.
UV and Blue light hazard	UV and blue light hazard: Filtered to 435nm
Colour Temperature	3,000°K
Intensity range	10 levels

XY

Number of axis	Two
Range	± 25mm from centre
Return to centre	On start up or via a no touch sterile, infra red sensor.

FOOT CONTROL

Functions	Focus, Zoom, Light Intensity, XY
Dimension	310 x 210 x 70 mm
Weight	5.1Kg
Cable length	2.0m
Mounting	Yes, to the main pillar

MOUNTING / MECHANICAL

Arm	Elbow and angle poise movement in horizontal and vertical directions. Variable friction locks.
Reach	Panto arm – 340mm , horizontal arm- 840mm, bonder arm - 200mm
Head Tilt	+5° o -45°
Vertical Tension	Adjustable gas springs to set lifting force.
Height	180mm
Head Rotation	330° about the centre of the XY
Arm Rotation	360° about the centre of the pillar

POWER SUPPLY

Mains Input	100-240VAC, 50-60Hz, 2.0A max. @ 100VAC
Mains Output Regulation	< ±5%
Protection	Over voltage, over current and short circuit protection
Battery / Auxiliary Input	12V DC, polarity and current surge protected.
Approvals	Medical grade approvals CSA C22.2 No. 60601.1-M90 UL 60601-1, 2nd edition IEC 60601-1 CE marked EN 60601-1-2:2001

PACKAGING AND WEIGHTS

Microscope (one carton)	810 x 520 x 310 mm 26 kg
Pillar (two cartons)	1130 x 25 0x 275 mm
Horizontal Arm (one carton)	810 x 520 x 310 mm
Floor stand (two cartons)	900 x 270 x 290 mm 25 kg each
Monitor (one box)	420 x 490 x 340 mm 5 kg
Nett Weight	120 Kgs

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