

SOM2000D operation microscope



SOM2000D operation microscope is an advanced double binocular operation microscope designed for two men, ZOOM magnification and foot switch. ZOOM magnifications for main microscope, 4X~25X continuously adjustment.

- 1. Fine focusing knob is the bottom of assistant binocular. The image of the assistant's microscope can be focused independently of the main surgeon, to avoid the different diopters.**
- 2. Germany optics gives the surgeon a bright, balanced, and fine image.**
- 3. Apochromatic technology used in the optical design, ensures coaxial light focus and makes a clearer field of view.**
- 4. Microscope head and arm can be moved freely by using the spring balanced system; locking device of the microscope arm can keep patients away from the lens in a safe distance.**
- 5. Independent electrical control box has the function of automatic diagnosis, which brings great convenience for installation and repair if necessary**

Eyepiece Magnifications	12.5×/18B
Objective Lens	f=200
Working Distance	170mm
Magnification for Main Microscope	4.6×~27× motorized and manual control
	continuous magnification
Magnification for Assistant Microscope	6×,10×,16×
Diameter of Field	F4646+46mm~F8.58.588.58mm
Adjustable Diopter	±7D
Adjustable Range for Pupil Distance	50mm ~ 75mm (main microscope is 45mm ~ 80mm)
Field of View	2mm ~ 18mm
Maximal Resolution	119 LP/mm
Focus for Assistant Microscope	≥30mm
Illumination Source	12V/100W,cold reflection halogen lamp for medical use
Illumination Type	6°+0°coaxial illumination of cold light source, 26°oblique illumination
Coaxial Illumination	≥80000lx,1~9level,panel operated
Oblique Illumination	≥60000lx,1~9level, panel operated
Reaching Radius of Arm	1230mm
Adjustable Vertical Range	880mm~1420mm
Fine Focusing Speed and Range	≤2mm/s,≥50mm
Speed for X/Y and Range	≤2mm/s,50mm×50mm
Voltage	AC220V±22V/50Hz±1Hz, AC110V±11V/60Hz±1Hz
Power	170VA
Fuse	AC250V T4.04.0444.0000A ,AC1250V T8.0588.0A
Electrical Safety Standard	Executive standard:GB9706.1-2007,Class I
Packing Volume	0.769m ³ ,5cartons
Total Gross Weight	215kg