

## Salient Characteristics of: Operating Microscopes

- 1) Must operate on 110-120 Volt AC Current.
- 2) Must provide Stereo Co-axial Light Sources with motorized variability and Integrated UV filter to protect the patient against UV and blue light.
- 3) Must have Chromatically Filtered light with high light transmission and low heat transmission and built in beam splitter.
- 4) Must have high speed focus with return memory and motorized depth of field.
- 5) Must have Large travel range of the XY coupling 61 mm x 61 mm to allow increased freedom of movement and one button auto zero function.
- 6) Must have programmable settings for multiple users.
- 7) Must have fully programmable foot pedal.
- 8) Must use magnetic braking of all motions.
- 9) Must have independent focus and zoom for the assistant.
- 10) Must have integrated keratoscope.
- 11) Must have integrated slit illuminator controlled by either the hand grips or foot pedal.
- 12) Must have on board 3 CCD HD Camera with USB on board recording and on board video monitor.
- 13) Must have a powered inverter to facilitate retinal Surgery.
- 14) Must have dual halogen and Xenon light sources with quick change features.
- 15) Must have a built in fluorescence filter, preferably motorized.