



The **Bausch & Lomb Stellaris PC** microsurgical system provides a high-performance experience in vitreoretinal and cataract eye surgeries. This system enables surgeons to perform different ophthalmic procedures while saving time, space, and money for the surgeons, and the patients. This microsurgical system has light-weight, ultra high-speed vitrectomy probes for conventional and transconjunctival vitrectomy.

Features

- Dual light source with surgeon-selected color filters.
- Optimal platform for the smallest incisions for both retinal and cataract surgeries.
- Capable of 1.8 mm MICS phacoemulsification.
- Easily upgraded to take advantage of future technology evolutions.
- 19" 5:4 aspect ratio color touch screen display.
- System can be set for either gravity infusion or infusion using pressurized air.



Specifications

Dimensions

Height: 48 in (122 cm)
Width: 18 in (45.7 cm)
Depth: 18 in (45.7 cm)
Weight: 230 lbs (114 kg)

Display

Type: Flat Panel, TFT LCD Full Color
Size: 19" (48.2 cm) Diagonal
Pixels: 1280 x 1024
Tilt: +15° up and -10° down
Swivel: ±90°

Aspiration

General: Provides Cassette Full, Near-Full and Continuous Fluid Level Sensing. Programmable vacuum response curves.

Modes of Operation: Linear control of vacuum. Fixed, On/Off control of vacuum. Dual Linear Modes: Pitch or Yaw.

Operating Parameters: I/A mode: 0 mmHg to 600 mmHg; Phaco: 10 mmHg to 600 mmHg; Vitrectomy: 0 mmHg to 600 mmHg; Extrude: 0 mmHg to 600 mmHg; Vacuum Control: 1 mmHg increments

Irrigation

Gravity feed from I/V bottle with pinch valve On/Off control via footpedal

Reflux

Control: Gravity feed from I/V bottle; Modes: Continuous, Pulsed; Activated via the Foot Control

Vitrectomy

Linear Cut Rate Mode Operating Parameters: Range: 30 to 5000 cuts per minute in 1 cut per minute increments; Control: Linear control of cut rate via the footpedal

Fixed Cut Rate Mode Operating Parameters: Range: 30 to 5000 cuts per minute in 1 cut per minute increments; Cut rate is derated no more than 20% above 3000 feet (915 meters) altitude; Control: On/Off control of cut via the footpedal

Ultrasound Functions

Programming Levels 1,2,3: Continuous ultrasound; Pulsed ultrasound; Fixed pulse ultrasound; Single burst ultrasound
Multiple burst ultrasound

Programming Level 3 only: Dual Linear Ultrasound; Linear Power, Linear Pulse ultrasound; Linear Power, Linear Duty Cycle ultrasound; Dual Linear Multiple Burst ultrasound; Variable Power Multiple Burst ultrasound; Variable Power Linear Burst ultrasound

Viscous Fluid Controls

Injection Mode Pressure: 70 psi (482.6 kPa, 4.8 bar)

Extraction Mode Vacuum: Between 5 to 600 mmHg in 10 mmHg increments



Specifications

Fluid Air Exchange

Output: 0.1 micron hydrophobic filtered air

Pressure: 150 mmHg maximum air pressure

Flow Rate: Up to 4.8 standard cubic feet per hour (2.25 L/min)

Safety: System includes pneumatic shut-off valve in case of power loss

Illumination

Modes of Operation: Independent Illumination and control of either port

Lamp Type: Xenon and Xenon-Mercury

Output: Light output from a single port is minimum 25 lumens using standard 20g probe.

Safety Filter: Both ports incorporate permanent filtration to reduce ultraviolet, violet, deep red and infrared light

Control: 0-100% control range, 1% resolution

Color Filtration: None, Green, Yellow, Amber (only available on Port 1 when a xenon lamp is installed)

