

PRODUCT SPECIFICATIONS:

APPLICATIONS

- Cataract Procedures
 - Capsulotomy
 - Phacofragmentation
 - Corneal incisions
 - Arcuate incisions
- Corneal Procedures
 - LASIK flap
 - Arcuate incisions

VISUALIZATION

- Live-action, high-contrast OCT
- High-resolution video microscope
- Optional external microscope

PATIENT INTERFACE

- Intelligent Pressure Sensors
- Curved interface with separate suction clip

SYSTEM COMPONENTS

- Main laser unit
- Patient bed included
- Sterile patient interface kit

SYSTEM

Laser Type	Diode-pumped solid state laser (DPSSL)
Wavelength	1040 ffl 25 nm
Pulse Freq.	80 or 160 kHz depending on procedure
Pulse Duration	290-550 fs
Power Supply	230 VAC ~ 50 Hz/60 Hz
Power Outlet	L6-30
Heat Load	3000 w
Weight	1800 lb
Dimensions	L: 81.7 in (without patient bed), L: 82.7 in (with patient bed), W: 32.5 in, H: 65.9 in

ENVIRONMENT

Room Conditions

Temperature 64.4°F to 75.2°F, controlled to +/- 2°F
Humidity 30% to 50%, noncondensing
Free of dust and particles; no carpet
No solvent, chemical liquids, or fumes
Floor under laser supports 15.6 lb/in²

Room Dimensions

Minimum requirements: 11 ft 2 in x 12 ft 2 in (35° bed)
12 ft 8 in x 12 ft 2 in (70° bed)

INSTALLATION REQUIREMENTS

- All corridors and doorways leading to the laser room must be wider than 33 inches (no doorstops less than 79 inches behind doors)
- Corridors narrower than 47.5 inches must have no 90° corners; floors must not have gaps > 1 inch
- If an elevator must be used, it must have a minimum length of 79 inches and a minimum width of 33 inches, and accept a minimum load of 1874 lb
- If a ramp is necessary to overcome stairs, an angle of 20° should not be exceeded
- The floor leading to and in the room must support 1654 lb for the laser and 552 lb for the bed, plus the weight of personnel and patient (eg, 662 lb)
- The room must not have been painted within 3 weeks prior to installation