

Certified to
ISO 9001:2000

Preliminary

Elara™

Portable 20W Microsurgical Laser System

The Elara is the next generation of clinical surgical or microsurgical laser technology. By providing an affordable, extremely portable laser system with two distinct modes of operation, this laser replaces multiple state-of-the-art laser systems with a single device that is smaller, more power efficient, and a more precise cutting tool than is currently available. Use this system in pulsed mode to achieve efficient tissue ablation with minimal collateral damage for surgical applications requiring high precision ablation or simply switch to CW mode for medical procedures requiring bulk removal.



Preliminary Data Sheet

Applications

- Urology
- Otolaryngology and ENT
- Gynecology
- Neurosurgery
- Podiatry
- Dentistry

Features

- Ultra Portable
- Precise surgical tool
- Efficient tissue removal,
shorter surgical time
- Coagulates while cutting
- Fiber delivery
- Power efficient
- Power scalable

Preliminary performance and characteristics

Parameter	Value
Mode of Operation	CW or pulsed
Polarization	Linear
Emission wavelength	1.94 μm
Tissue penetration depth	100 μm
Beam quality	M ² < 2
Average power	15W
Repetition rate	10 kHz (pulsed)
Pulse duration	100 nsec
Energy per pulse	1 mJ
Power requirements	120V AC
Laser dimensions	6"H x 14"W x 10"D
Laser weight	< 10 lbs

Specifications subject to change without notice.

