



THE CYBER™ SURGICAL LASER SYSTEM

THE
ULTIMATE
SURGICAL
TOOL
FOR BPH
AND BEYOND



SPEED > POWER > VERSATILITY

The powerful 120-watt Cyber™ thulium laser provides the ideal blend of high-efficiency cutting and effective coagulating effects, making it the most ideal prostate laser instrument available.



OUTSTANDING SAFETY

Many of the risks associated with other laser wavelengths are minimized or avoided with the Cyber™.

Safety features include:

- Clear surgical field free of blood, bubbles and debris.
- Observable surgical effect – “what you see is what you get” – no unseen deep tissue effects occur.
- Forward-firing laser fibers combined with high water absorption results in reduced chance of inadvertent tissue damage.

Clear Surgical Field

The consistent power delivery of the Cyber™’s continuous wave mode creates even and clean vaporization or cutting effect which keeps the surgical field clear of bubbles, blood or debris that can impair the surgeon’s vision.

No Unseen Effects

The 2-micron wavelength of the Cyber™ is readily absorbed in water. Therefore the affect the surgeon sees is the only affect being created. Other wavelengths penetrate more deeply in tissue giving rise to the potential for unwanted affects such as edema and delayed healing.

Energy Delivered Where You Want It

The forward-firing fiber of the Cyber™ provides added protection from inadvertent misdirected laser light. In addition, the high water absorption characteristics of the 2-micron wavelength avoids the possibility of laser light traveling through the aqueous surgical field to tissues not intended for treatment.

True Colors with No Glare

Since clear safety lenses can be used with the Cyber™, there is no impairment of the surgeon’s vision due to color distortion and the invisible infrared laser light produces no glare.

UNMATCHED SPEED

For cutting and vaporizing speed the powerful Cyber TM has no rival. Compared with holmium lasers, the Cyber TM wavelength is absorbed by tissue 2.5 times more efficiently and compared with green-light lasers or other lower-powered thulium lasers, the Cyber TM will reduce vaporization time by 40% . Due to the cutting characteristics and available laser fibers that the Cyber TM offers, the surgeon has the option of vaporization, or vaporesection™ which allows for the selection of the optimal approach. Only the 120-watt Cyber TM does it all.

FAST AND EFFICIENT VAPORIZATION AND VAPO-RESECTION

SUPERIOR PRECISION

Since 2-micron laser energy is absorbed primarily by water which is ubiquitous in all tissue, the speed of cutting and vaporizing will remain relatively constant regardless of tissue vascularization. Energy from the Cyber TM travels only two-millimeters beyond the fiber tip in water and penetrates tissue less than one-millimeter providing the surgeon with a high degree of control over the energy delivery.

HIGH VERSATILITY

Most lasers are used to either vaporize or resect tissue, but The Cyber TM can both vaporize and resect tissue. In prostate surgery for example, a surgeon may wish to vaporize smaller glands and resect larger prostates to reduce treatment time or obtain tissue samples for pathological evaluation.

Since there are separate reimbursement codes for laser enucleation of the prostate (CPT 52649) and laser vaporization of the prostate (CPT 52648) the dual capability of the Cyber TM not only provides clinical advantages, but economic ones as well.

Although the Cyber TM is unsurpassed for prostate surgery, it is also a highly versatile surgical laser for many other surgical procedures, including; bladder neck incision, opening strictures, vaporization or excision of bladder tumors and partial nephrectomies, just to name a few. The Cyber TM combines the cutting efficiencies of a CO₂ laser with the hemostatic properties of a holmium laser making it a perfect multi-application laser across a range of clinical applications.

USER FRIENDLINESS

The Cyber TM laser is easy to use with a short learning curve. Its portable design and modest foot-print makes it easy to move around without adding significantly to congestion in the operating room. The Cyber TM is quiet, energy-efficient and low-maintenance further adding to its appeal.

SPECIFICATIONS

Wavelength	2010 nm
Power	up to 120W
Power setting	5W to 120W in 1, 5, 10W increment steps
Treatment mode	Continuous wave or pulsed (10 - 1000 ms)
Beam delivery	Wide range of flexible silica frontal and side-firing fibers
Aiming beam	635 nm, (adjustable <4 mW)
Electrical requirements	200-240VAC, single phase; 50-60Hz; 16A
Cooling	Air cooled
Noise level	less than 58 dBA
Operating temperature	10°C-30°C
Storage temperature	10°C-40°C
Humidity	30%-90%
Dimensions	21.6 in/55 cm (W) x 29.5 in/75 cm (D) x 43.3 in/110 cm (H)
Weight	352 lbs.160 kg

FIBERS

- 800 µm core frontal fiber, 3m long, sterile and reusable
- 600 µm core frontal fiber, 3m long, sterile and reusable
- 550 µm core frontal fiber, 3m long, sterile and reusable
- 400 µm core frontal fiber, 3m long, sterile and reusable
- 800 µm core side-firing fiber, 3m long, sterile and single-use
- 600 µm core side-firing fiber, 3m long, sterile and single-use

ACCESSORIES

- Fiber stripper For 200, 400 and 600 frontal Fibers
- Laser safety goggles
- Fiber scissor For 200, 400 and 600 frontal Fibers

FOR MORE INFORMATION CONTACT:

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