USER FRIENDLINESS

The Cyber TM laser is easy to use with a short learning curve.
The Cyber TM is quiet, energy-efficient and low-maintenance further adding to its appeal.

SPECIFICATIONS

Wavelength	2010 nm
Power	Up to 150W depending on each local clearance
Power setting	5W to 150W in 1, 5, 10W increment steps
Treatment mode	Continuous wave or pulsed (5 - 1000 ms)
Beam delivery	Wide range of flexible silica frontal and side-firing fibers
Aiming beam	Red or green on choice, (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	440 lbs. 200 kg

FIBERS

- 1000 µm core frontal fiber, 3m long, sterile and reusable
- 800 µm core frontal fiber, 3m long, sterile and reusable
- 600 µm core frontal fiber, 3m long, sterile and reusable
- 400 µm core frontal fiber, 3m long, sterile and reusable
- 600 µm side-firing fiber, 3m long, sterile and single-use
- 800 µm core frontal fiber, 3m long, sterile and single-use
- 600 µm core frontal fiber, 3m long, sterile and single-use
- 400 µm core frontal fiber, 3m long, sterile and single-use

ACCESSORIES

- Fiber stripper for all fibers
- Fiber scissor for all fibers
- Laser safety goggles

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Quanta System
DNA Laser Technology

THE CYBER TM
THULIUM SURGICAL LASER SYSTEM

THE ULTIMATE SURGICAL TOOL
FOR BPH AND BEYOND

SPEED > POWER > VERSATILITY

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

UNMATCHED SPEED

For cutting and vaporizing speed the powerful Cyber TM has no rival. Also compared with holmium lasers, the Cyber TM wavelength is more efficiently absorbed by wather, reducing the vaporization time. 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 Cyber TM does it all.

FAST AND EFFICIENT VAPORIZATION AND VAPO-RESECTION

OUTSTANDING SAFETY

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

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.
- Minimal bleeding

Clear Surgical Field

The consistent power delivery of the Cyber TM’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 TM 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 TM 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 TM, there is no impairment of the surgeon’s vision due to color distortion and the invisible infrared laser light produces no glare.

SUPERIOR PRECISION

Since 2-micron laser wavelength is strongly absorbed by water which is ubiquitous in all tissues, the speed of cutting and vaporizing will remain relatively constant regardless of tissue vascularization. Energy from the Cyber TM penetrates only fraction of millimetre in the tissue ,providing the surgeon with a high degree of control and reducing substantially the risk of inadvertent injury.

HIGH VERSATILITY

Most lasers are used to either vaporize or resect tissues, but The Cyber TM can both vaporize and resect tissues. 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 histological examination, without the utilization of a morcellator.

The capability of the Cyber TM to provide different surgical techniques including “Tm-Yag Vaporiziation of the Prostate (ThuVAP),Tm-Yag VapoResection (ThuVaRP),Tm-Yag VapoEnucleation (ThuVEP) and Tm-Yag Enucleatio (ThuLEP) as recently reported by Urothulium Study Group*, provides both clinical and economic advantages.

Although the Cyber TM is unsurpassed for prostate treatments ,it is also versatile laser for many other surgical applications such as bladder neck incision, opening strictures,excision of bladder tumors and partial nephrectomies.The Cyber TM laser combining high cutting efficiencie and excellent hemostatic properties; it is a perfect multi-applications surgery tool also for liver surgery, kidney resection, toracic surgery, open and laporoscopic procedures.

**T.Back et alt –Thulium :Yag 2micron cw laser prostatectomy :where do we stand. World J Urol.(2010)28:163-168*