

T-1470 ProTouch™

Laser System for BPH

A Soft Tissue Laser For All Techniques!



Enucleation
End-firing Fiber



Touch, Near Contact & Non-Contact

Ablation
Side-firing Fiber





Akhil K. Das, M.D., F.A.C.S.
 Assistant Professor
 Thomas Jefferson University Hospital

“The T-1470 laser allows the surgeon to enucleate prostate tissue similar to the high-powered holmium laser but with better coagulation than the holmium laser. The ablative properties of the T-1470 laser are superior to the holmium laser and comparable to the KTP laser. The T-1470 laser may also help surgeons transition from ablative technique to enucleation techniques. The T-1470 laser should prove to be an important tool in the laser management of BPH.”



Eric J. Sacknoff, M.D., F.A.C.S.
 Assistant Clinical Professor
 Harvard Medical School
 Smyth County Community Hospital

“The T-1470 ProTouch Diode Laser is a clinically unique new laser. After 30 years experience using multiple wavelengths in urologic laser surgery, I found the T-1470 ProTouch laser provides excellent vaporization and coagulation for resection of prostate tissue, bladder tumors, bladder neck contractures, urethral strictures, and excision of penile neoplasms. After completing over 32 cases I have been impressed with this laser’s efficacy and minimal side effects. This cost effective laser uses standard 110 volt current and weighs only 55 pounds. This unit is significantly smaller than its competitors while delivering remarkably complete laser tissue interaction.”

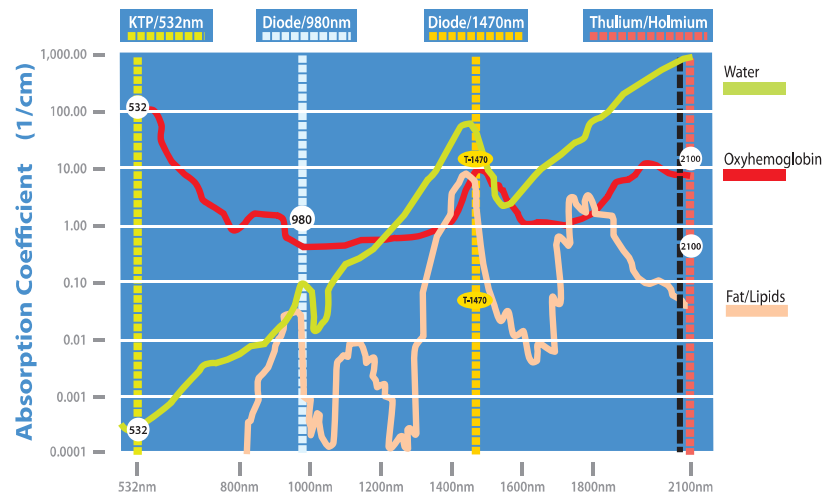


Paul M. Arnold, M.D., F.A.C.S.
 Chief of Staff
 Florida Hospital North Pinellas
 Urology Specialists of West Florida

“It’s like a “Bovie” on a tip of a laser fiber, only it coagulates better with less unwanted collateral tissue damage. The huge advantage of this laser is that it allows urologists to perform surgery without bleeding-enabling a clear field and controlled operation.”

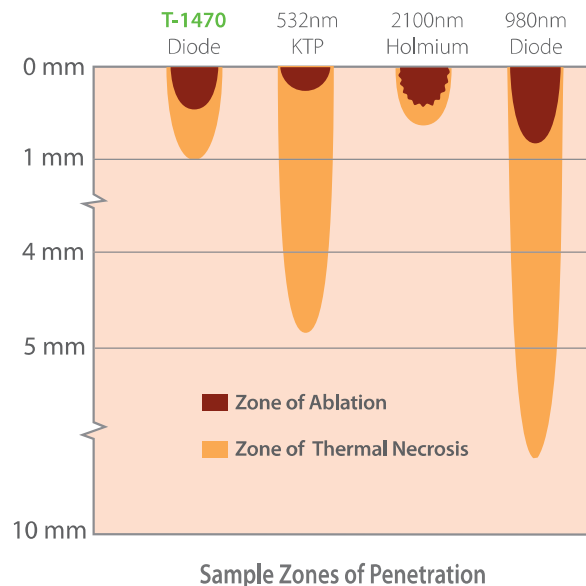
The Optimum Diode Laser Wavelength for Treatment of Soft Tissue and BPH

The T-1470 ProTouch Surgical Laser System combines the optimum absorption characteristics of the 1470nm laser wavelength with the proprietary laser power control system technology to offer the best surgical laser tool for most soft tissue clinical applications. The combination of high absorbent efficiency in water, oxyhemoglobin, and lipids at 1470nm wavelength makes the T-1470 ProTouch the most effective and hemostatic cutting tool delivered through flexible fiberoptics. The patented and proprietary SuperPulse control settings further enhance the ability of the T-1470 ProTouch to adapt to a variety of open and endoscopic surgical techniques.



Ablation and Coagulation Effect Comparisons

The T-1470 ProTouch effectively ablates tissue and leaves a controlled zone of necrosis to seal off tissue surface with minimal post-operative irritation symptoms.

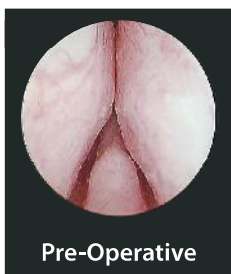


Advantages of T-1470 ProTouch™

- * **Powerful and Fast**
A powerful 100 Watt laser that works precisely and efficiently
- * **Lightweight and Compact**
55 pounds and powered by a standard 110 VAC wall outlet
- * **High Water and Fat Absorptions**
Safer cutting and coagulation with shallow thermal necrosis
- * **Real-Time Temperature Monitoring**
Fiber tip temperature monitoring for treatment control
- * **Ambient Beam Sensing**
Stray beam monitoring to protect operating room personnel
- * **SuperPulse Technology**
Resting time between high peak power pulses enhances precision
- * **Most Effective Laser Wavelength for Hemostasis**
Proper combination of absorption coefficients for high vessel sealing strength

Innovative Technology

The T-1470 ProTouch laser system is the latest in Cutting Edge Laser Technology for the Treatment of Symptomatic BPH and has been demonstrated to control bleeding and improve patient outcome.



Charles Seabury, M.D.
Urologist
Virginia Urology
Virginia Urology Center

"Due to its thorough hemostatis, utilizing the ProTouch 1470 in the surgery center setting allows me to confidently discharge the patients with less concern for post-procedure bleeding. It is user friendly, requiring only a standard 110V outlet, instead of special plugs. With both resection and vaporization capacity, it allows surgeons to easily obtain pathology specimen if desired."



Frazier T. Fortenberry Jr., M.D.
Urologist
Martha Jefferson Hospital
University of Virginia Medical Center

"This extremely versatile and hemostatic laser energy is optimally suited for BPH adenoma enucleation. Additionally, it can be just as valuable in performing partial nephrectomy and critical aspects of minilap open radical prostatectomy."



James E. Rotolo, M.D., F.A.C.S.
Chief of Urology
Ocean Medical Center

"The shallow depth of penetration of the ProTouch prevents injury to the nerve endings and very reliably preserves sexual potency. It enucleates tissue circumferentially in a very comfortable fashion and allows thorough opening of the prostatic urethra. The end result has been as good as a suprapubic prostatectomy."

"Patients have been very pleased with the Transurethral Laser Enucleation of the Prostate (TLEP). The ProTouch provides a unique combination of thorough enucleation, low risk and rapid recovery. Quality of life is markedly improved while protecting and preserving bladder and renal function."

Convergent Laser Technologies is dedicated to the development of advance medical laser systems for cardiovascular, general surgical, dental, aesthetic, ENT, GI, GYN and urological applications. Convergent laser systems are especially designed to be highly efficient, stable, reliable, and user-friendly by utilizing its proprietary control systems to be lighter, more compact and requires less electrical power compared to other medical lasers.

The Odyssey product line is the leading stone management lithotripsy laser that is sold worldwide and well acknowledged as the premium holmium laser lithotripsy system. The new T-1470 ProTouch is the multi-specialty laser system designed to be the perfect complement for soft tissue indications.

The entire Convergent team of highly skilled engineers, technicians, customer support and field sales personnel are committed to excellence in quality and service as mandated by its company founders. All Convergent products are proudly designed and manufactured in the USA.

T-1470 ProTouch™

Specifications	
Laser Modes	Continuous, Pulse, SuperPulse
Wavelength	1470nm
Aiming Beam	635nm (red)
Maximum Average Power	100 Watts
Electrical Requirement	110 VAC
Cooling	Air Cool. No water required
Operating Temperature	55°F (13° C) - 85°F (30°C)
Storage Temperature	50°F (10°C) - 104°F (40°C)
Dimensions	16" W (41cm) x 24" D (61 cm) x 14" H (36 cm)
Weight	55 lbs (25 kg)

Features & specifications subject to change without prior notice. Document Number: 211184-01 A2



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