MULTIPULSE TM + 1470

THE POWERFUL THULIUM LASER FOR YOUR BPH TREATMENTS

- **HIGH POWER**
- **MIX OF 2 WAVELENGTHS**
- **1,940 NM FOR HIGH ABSORPTION WITH LESS PENETRATION**
- **CLEAN CUTTING AND SAFE COAGULATION**

JENA SURGICAL

LASER AT YOUR SIDE

UNIQUE WAVELENGTH MIX

KEY FEATURES

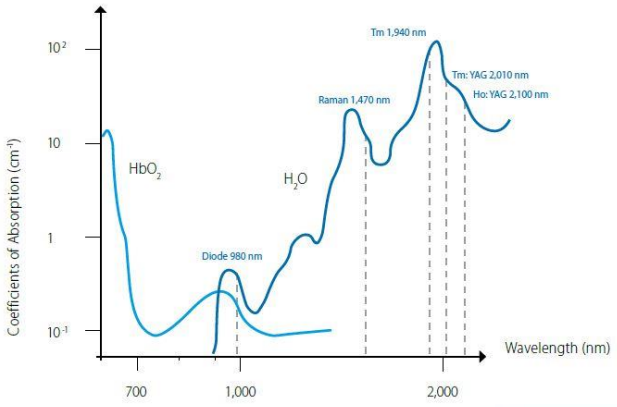
- High power **THULIUM LASER**
- Allows for **cutting and coagulation** thanks to unique wavelength mix
- Better **hemostasi**s achievable because of included raman wavelength
- **TDFA (Thulium Doped Fiber Amplifier) technology** for better beam uniformity and less maintenance requirements
- Pedal control for perfect **wavelength modulation** without taking eyes off from the surgical field and without changing fiber

APPLICATIONS

The **thulium laser MultiPulse Tm + 1470** is the only device on the market that combines a **thulium** wavelength with a **raman** wavelength of 1,470 nm. Additionally, JenaSurgical's thulium laser is the first laser in the surgical field using a wavelength of 1,940 nm.

Why 1,940 nm?
The wavelength of **1,940 nm** is absorbed by water more than the 1st generation Thulium at 2,010 or Holmium at 2,100 nm. This ensures the best cutting effect when working with a thulium laser.

Why 1,470 nm?
To have a more significant coagulation effect, the **MultiPulse Tm+1470** integrates a **1,470 nm** Raman laser, which can be combined as desired in the same fiber optics.



The **mix of its two wavelengths**, properly calibrated, enables net and clean surgical incisions with good execution speed, reduces operating time and allows prostates of any size to be treated.

The ability to mix or separate these two wavelengths allows **optimization of the laser beam interaction with the tissue**. This ensures perfect **vaporization** and better **hemostasis** when cutting, using less working power and thus minimizing residual carbonization. Moreover, in addition to the continuous mode (CW), the **MultiPulse Tm+1470** can work with **pulsed emission** in order to operate with maximum precision and delicacy, even in those areas that require "colder" action.

CE 0123

Technical Specifications

MultiPulse Tm + 1470	
Laser Source	Thulium + Raman module
Wavelength	1,940 nm + 1,470 nm (simultaneously or separately, in the same fiber)
Emission Mode	Continuous Wave (CW) - Pulsed Wave (pw)
Power	Up to 120 W (@ 1,940 nm) Up to 30 W (@ 1,470 nm)
Repetition Rate	CW to 1,000 Hz
Pulse Duration	0.5 ms until CW
Operating Temparatur Range	20° - 30° C
Rel. Humidity	Max. 70 % (no condensation)
Cooling	Internal active water cooling
Beam Delivery	Wide Range of Flexible Optical Fiber
Aiming Beam	Laser Diode @ 635 nm <1 mW, adjustable
Device Accessories	Fiber handpieces and diverse cannulas Bare fibers (reusable and single use) available in following diameters: 200, 400, 600, 800, 1000 µm.
Electrical Requirements	230 VAC - 50/60 Hz - 2,700 VA -16 A
Dimensions and Weight	112 cm (H) x 87 cm (D) x 36.5 cm (W) - 125 kg

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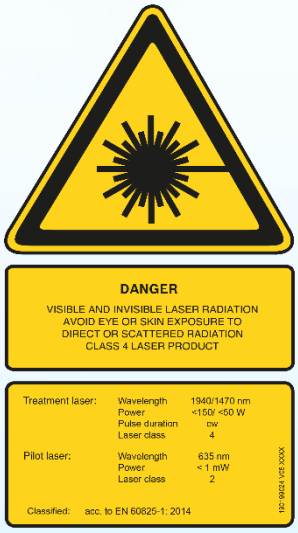
JenaSurgical is the brand of the surgical business unit of Asclepion Laser Technologies. This brochure is not intended for the market of USA.



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