



Hybrid air
cooling system
to manage
high peak
power...

FiberLAZE⁺

Thulium Fiber Laser System



Why?

FiberLAZE⁺ | **FiberLAZE**

Allengers FiberLAZE⁺ and FiberLAZE with hybrid air cooling system to manage high peak power beam, which have a excellent Lithotripsy and Tissue Cutting capability with minimal blood loss.



Provide better dusting and fragmentation capability with wide range of frequency and pulse width.



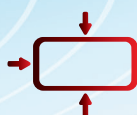
Better Tissue Enucleation and Homostasis with high pulse width range.



Excellent and fast popcorn effect.



Powerfull and elegant desktop system with easy to carry and low power consumption.



Compact



Powerful



Efficient

THULIUM FIBER LASER SYSTEM FOR LITHOTRIPSY & PROSTATE SURGERY



Allengers Thulium Fiber Laser System for lithotripsy and prostate surgery is the next generation laser with variable pulse width and large dynamic power range which makes procedures faster and precise.

NEXT
GENERATION

Experience the Power of
Advanced Thulium Fiber
Laser System

APPLICATIONS & FEATURES

- ✦ Treatment of BPH, bladder tumor, ThuFLEP and soft tissue.
- ✦ RIRS procedures faster with no stone retropulsion.
- ✦ Minimizes bleeding and promotes quicker recovery.
- ✦ Reduces the risk of collateral thermal damage to surrounding tissues
- ✦ Excellent beam quality and precision, allowing for fine control during cutting, ablation, and other procedures.



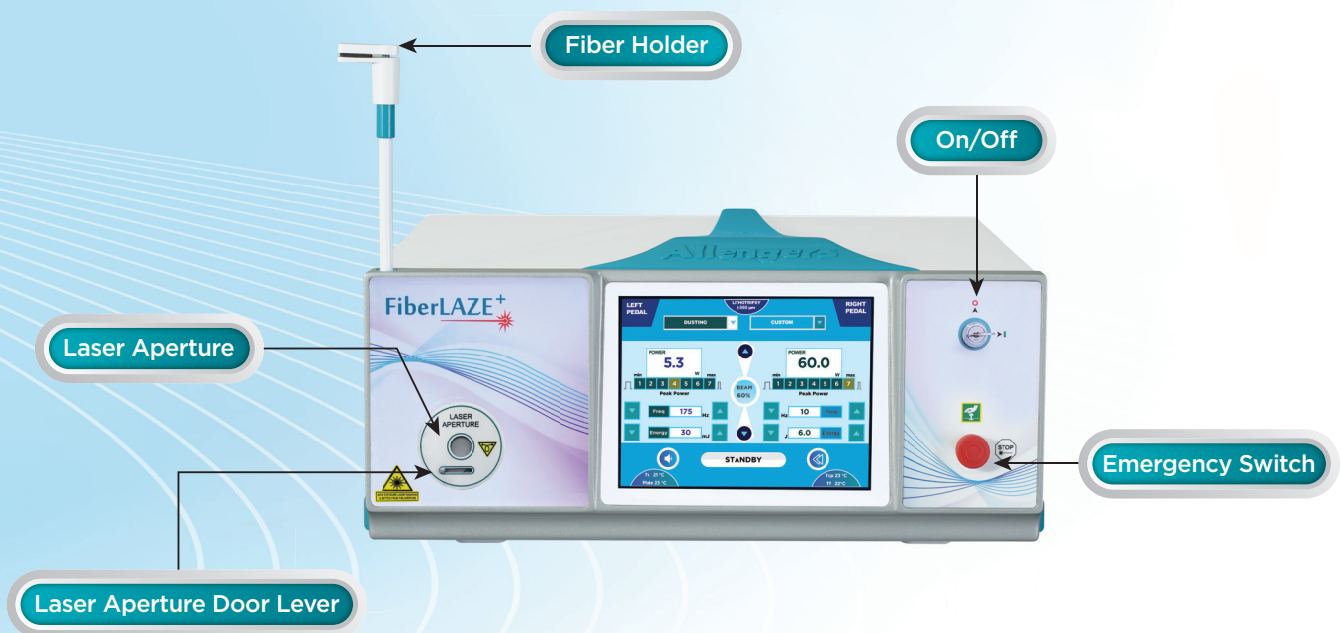
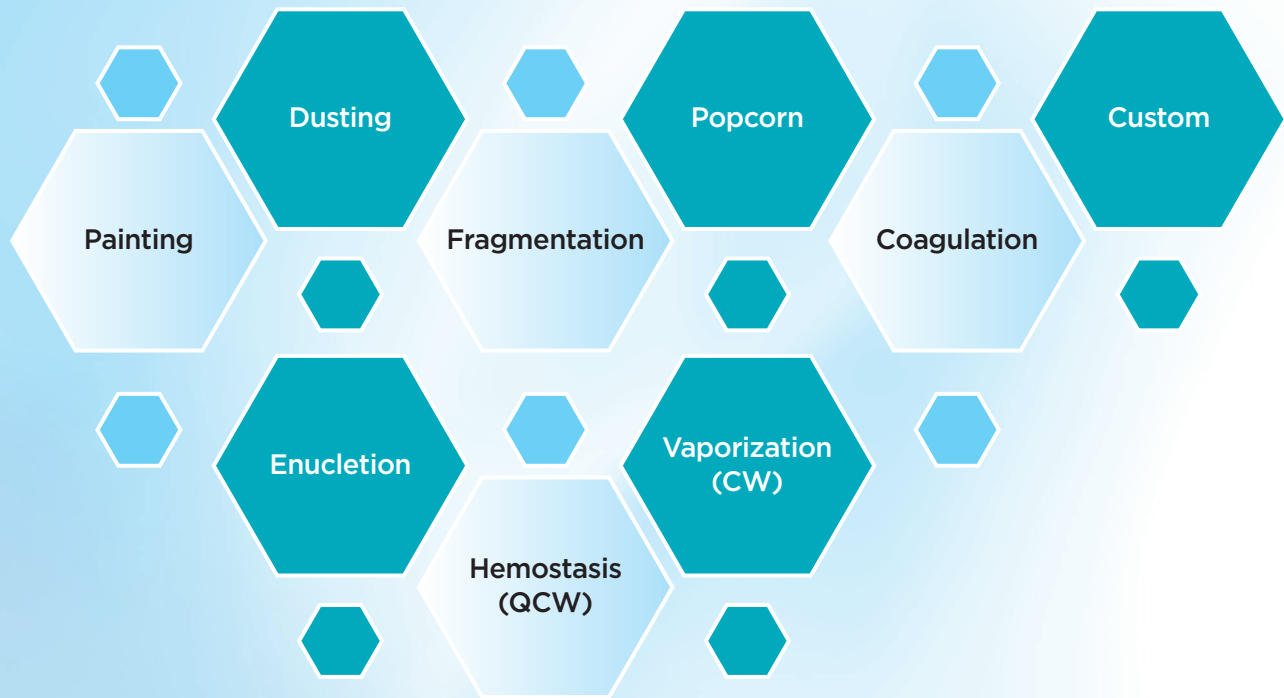
POWERFUL & USER FRIENDLY

- ✦ FiberLAZE⁺ : Optical power upto 60W
FiberLAZE : Optical power upto 35W
- ✦ User friendly and easy to operate touch screen interface.
- ✦ Seven levels of pulse width as well as peak power selection.

SMART, DUAL FOOTSWITCH

- ✦ Hands free Ready/Standby selection switches with dual foot pedal.
- ✦ Waterproof and rustfree.

OPERATIVE MODE



PARAMETERS

ENERGY

- ✦ Low energy is better for dusting and high energy is better for fragmentation. Device offer energy upto 6J.



REPETITION RATE

- ✦ Take advent of wide repetition rate to tailor latest technique.
- ✦ Extreme repetition rate upto 2500Hz for 60W and 1600 Hz for 35W.



PULSE WIDTH

- ✦ Seven levels of pulse width offer a greater flexibility compared to the traditional three levels offered by the other laser devices. Higher the peak power stands for smaller pulse width, which is suitable for enucleation and fragmentation. Lower the peak power stands for greater the pulse width which is suitable for dusting.



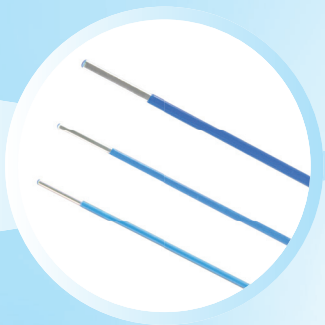
FiberLAZE⁺



FiberLAZE



ACCESSORIES



FIBERS

The Thulium Fiber Laser bare reusable fiber is supplied in sterile condition and is suitable for immediate first use without preconditioning. Bare fiber is indicated in general laser surgery application of different disciplines such as lithotripsy, incision, excision, vaporization and coagulation etc. Moreover the product can be used for fragmentation of stones and ThuLEP application. Reusable fiber has low OH for effective transmission of high power laser energy.

MULTI-FUNCTIONAL FOOTPEDAL/SWITCH

This comprises of left foot paddle or right foot paddle to allow easy switching between laser setting during procedure:-

- * Standby/Ready Foot Switch: This feature enables user/doctor to have full control of laser by switching between standby/ready mode without any assistance.
- * Can be suitably used for independently or simultaneously for different emission setting.



ADJUSTABLE FIBER STRIPPER & CUTTER

Fiber stripper is used to strip the fiber to ensure better power delivery and cutter is to cut the used fiber tip.

SAFETY GOGGLE

Goggle is personal protective device to protect eyes from accidentally exposing laser radiation.



TECHNICAL SPECIFICATIONS*

Parameters	Specification		Applicable Standards		
	FiberLAZE+	FiberLAZE	Standard	FiberLAZE+	FiberLAZE
Laser Medium	Thulium Laser		General Safety Part 1	IEC 60601-1	
Wavelength	1.94μm		General Safety Part 1	IEC 60601-1-2	
Emission	Pulsed/CW	Pulsed	Laser Performance Standards	IEC 60601-2-22	
Pulse Duration	0.1 to 15ms		Safety of Laser Products	IEC 60825-1	
Pulse Frequency	Upto 2500 Hz	Upto 1600 Hz	Performace Standards for Light Emitting Products	21CFR1040.10	
Pulse Engergy	Upto 6J		IEC 60825-1 Laser Classification:	Class 4	
Maximum Average Power	60W	35W	US FDA CDRH Laser Classification:	Class IV	
Laser Trigger	Footswitch		System Electrical Specification		
Delivery System	Optical Fiber		Mode of Operation	Continuous	
Cooling System	Hybrid Air Cooling System		Type of Protection against Electric Shock	Class I	
Treatment Parameters	User Selected		Degree of Protection against Electric Shock for Applied Parts	BF	
Fibers	200/272, 365, 550 μm				
Input Power	230V±10%, 50/60Hz		Physical Characteristics		
User Panel	Color LCD display (GUI)		Weight (approx.)	38Kg	36Kg
Control Panel	Touch Screen		Dimension (mm)	600±5(L)* 504±5(W)* 274±5(H)*	
Aiming Beam			Operating Temperature		
Type	DPSS		Operating Temperature	10 °C to 35 °C	
Power	<5mW		Storage Temperature	0 °C to 40 °C	
Wavelength	532nm		Operating Humidity	0 to 75 % RH, Non condensing	
Laser Class	Class 3R		Storage Humidity	0 to 90 % RH, Non condensing	

*Technical Specifications may get upgraded time to time. For more details please contact sales person.

ALLENGERS OTHER PRODUCTS

● Cardiology

- Tread Mill Test (TMT)
- Multipara Monitor (MPM)
- Electrocardiogram (ECG 3, 6 & 12CH)
- ECG Holter
- Cathlab (Fixed/Mobile)

● Neurology

- Electromyograph (EMG)
- Polysomnograph (PSG)
- Electroencephalograph (EEG)

● Urology

- Holmium Laser (30W/35W/65W/100W)
- Morcellator

- Radiology
- Ortho, Gastro, Neuro Surgery & Interventional
- Healthcare Software

ENQUIRE NOW



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FOR ENQUIRY SCAN



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