



Bringing Innovation Closer To You

INDIA'S FIRST QCW LASER



Thulium Fiber Laser

Vikrant - 30W/45W/70W

- Kidney Stone,
- BPH
- Soft Tissue Management

#Onemillionhealingsperday

Why Thulium Fiber Laser



Precision and Control



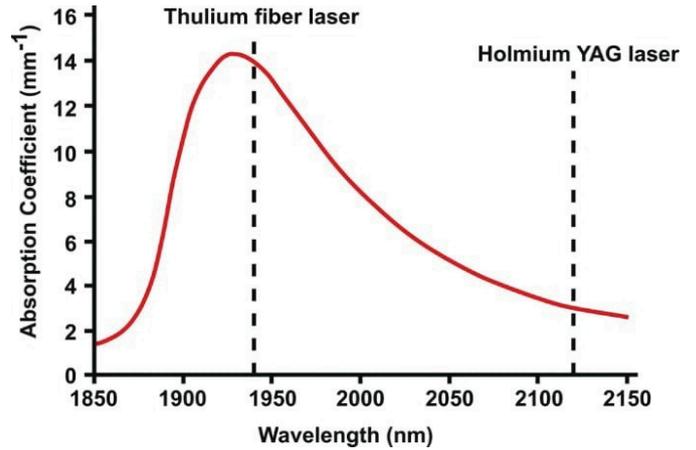
Excellent Fragmentation Rate



2 times Faster Lithotripsy than Ho-YAG Laser



4 Times Better Absorption than Ho-YAG Laser



Better Safety while Surgery as Depth of Penetration is Less as Compared to Ho-YAG Laser



Moses Effect



Excellent BPH Management



Reduced Bleeding



Reduced Depth of Penetration



High Absorption Efficiency as compared to Ho-YAG Laser



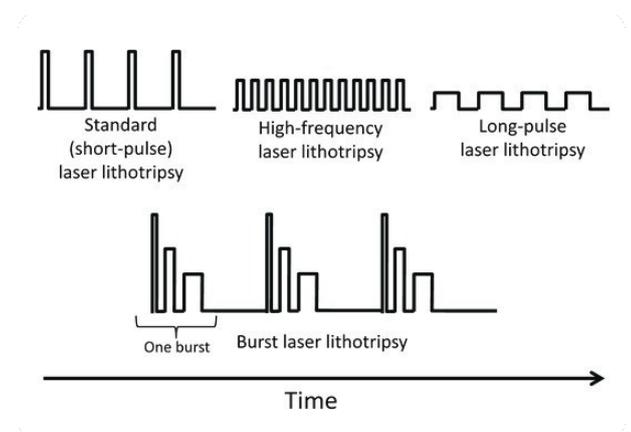
AirCooling System



Reduced Retro-pulsion

Vikrant-Thulium Fiber Laser

- ◆ 1940nm Wavelength
- ◆ Minimised Retro-pulsion
- ◆ 4 Times Better Absorption Than Ho-YAG Laser
- ◆ Thulium Laser with Continuous Mode & Peak Pulse Mode,
- ◆ Burst Mode Peak power up to 450W/650W
- ◆ No Noise Production
- ◆ Pre-set Parameter
- ◆ Reduced Cost
- ◆ Disposable & Reusable fiber
- ◆ Standard Power Supply
- ◆ HighCuttingEfficiency
- ◆ Compact Design
- ◆ Excellent Hemostatic ability which makes prostrate surgery highly efficient
- ◆ Lower Acquisition Cost
- ◆ Reduced Maintenance Costs
- ◆ Increased Procedure Volume
- ◆ Smaller Footprint
- ◆ Ease of Use
- ◆ Future-Proof Technology



Application

BPH



Enucleation



Ablation



Vaporisation



Transurethral incision of the prostate (TUIP)



Bladder neck incision (BNI)

Lithotripsy



Fragmentation

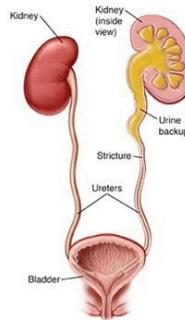


Dusting



Pop corning

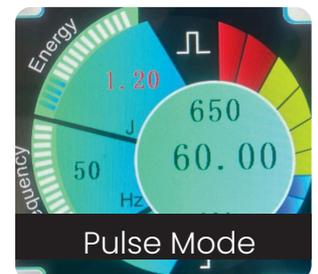
Other Endo-urological Applications



- ◆ Resection of the bladder wall with tumor
- ◆ Vaporisation of tumors of the bladder and upper urinary tract
- ◆ Partial nephrectomy
- ◆ Urethra and ureter strictures
- ◆ Condylomas

Technical Specifications

Laser Type	Thulium FiberLaser Vikrant
Model	25T/45T/70T
Power output	UP to 25W/45W/70W
Repetition rate	UP to 2500 Hz
Energy per pulse	0.005J - 6 J
Wavelength	1940nm
Mode	Super Pulsed / Pulsed / CW 300W-
QCW	30W-300W/45W-450W/70W-700W
Pulse Duration	200µs - 50ms
Aiming Beam	532nm (adjustable <5wW) - Class 3R
Delivery	Fiber
	Wide range of flexible silica fibers
Activation	Double foot Switch
Cooling	Air Cooling
Weight	40 kg
Electrical requirement	100-240V: 50/60 Hz: 1000 VA
Warranty	2 years





Bringing Innovation Closer To You

Intense Medical & Dental System Pvt.Ltd.

Intense Medical & Dental System Pvt Ltd is one of the India's fast growing medical equipment company specialized in lasers with a focus to provide high-quality laser devices for various treatments, procedures and surgeries. IMDSL manufactures Dental Laser, Proctology Laser, Urology Laser, Physitherapy Lasers, Ortho Lasers and more.

Laser Fibers

Fiber Thickness-150,200,250,300,600 micron.



ISO 13485:2016



ISO 9001:2015



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