

SuperPulsed Laser System
SOLTIVE Premium
This Changes Everything






Everything You Thought a Laser Was Capable of Is About to Change




All-in-One Platform Designed for Lithotripsy, BPH and Soft Tissue

The SuperPulsed Laser System SOLTIVE Premium is powered by a novel energy source for striking results compared to conventional Holmium YAG. Get used to dusting in half the time. Fragmenting stones relentlessly – with virtually no retropulsion.¹ Precisely cutting through soft tissue and state-of-the-art prostate enucleation, with visibly improved hemostasis.²

Stone

	2x Faster Dusting	Stone dusting in half the time of the leading Holmium YAG laser ³ , and with impressive generation of finer particulate.
	Virtually No Retropulsion	The inherent stone stabilizing effect of SOLTIVE means dramatically reduced retropulsion, less chasing of stone fragments and more control during lithotripsy. ¹
	4x Greater Absorption	The optimum laser wavelength means more energy is transferred to the stone – with more than four times greater absorption than any Holmium YAG ⁶ system.

BPH and Soft Tissue

	Highly Versatile	SOLTIVE can be used for different urological applications and is the solution for surgery centers seeking an all-in-one, cost-effective platform.
	Safety and Efficacy for BPH	State-of-the-art prostate enucleation, with impressive hemostasis. ²
	Reduced Thermal Effects	Because it uses lower power for ablation, SOLTIVE may reduce the thermal effects that can cause soft tissue damage and irritative symptoms. ^{4, 5}



Technology

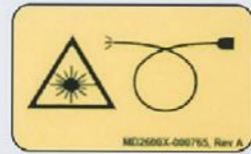
A slim internal fiber doted with thulium ions in its core is activated by laser diodes. A highly collimated and homogeneous laser beam can be coupled into a regular surgical fiber to transfer the energy to the application field. No flash lamps, water cooling or complex mirror systems are required, resulting in a new high-performance laser technology with the broadest range of settings.

Wavelength	Laser Energy	Laser Frequency	Average Power	Pulse Duration
1,920-1,960 nm	0.025-6 J	1-2,400 Hz	2-60 W (adjustable)	200 µs-50 ms

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SOLTIVE™ Premium

This is SOLTIVE
in real size.



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SOLTIVE Lithotripsy Solution

Exceptional Performance in a Surprisingly Small and Versatile Package



SOLTIVE Offers Value That Matters

Cooled by air, SOLTIVE offers quiet operation and requires significantly less maintenance than standard water-cooled systems, lowering the cost of ownership. It achieves new levels of energy efficiency and is powered by a standard wall outlet with no need for special OR infrastructure.



Air-Cooled System



Lower Noise Level



Reduced Cost of Ownership



Energy Efficient



Standard Wall Outlet



1/8
the Size of Competing High-Powered Laser Systems



Urology's Smallest and Most Flexible Surgical Fibers



True-to-size 150 μ and 200 μ core diameter fibers, for access to hard-to-reach stones

SOLTIVE fibers provide reduced fiber burn back³, which may eliminate the need for multiple fibers or cutting and cleaving of fibers mid procedure

References

¹ At select settings. Data on file compared to LumenisP120.

² Data on file. Comparative laser system data collected on LumenisP120. Improved hemostasis noted at 365 µm diameter fibers and larger.

³ Data on file. Comparative laser system data collected on Lumenis P120.

⁴ Molina, Wilson. Comparison of Rapid-Pulse Tm Fiber LASER (RPFL) vs. High-Power 120 W Holmium YAG LASER (Ho:YAG): Stone Ablation Efficiency at the Same Average Power Settings. WCE 2018.

⁵ Molina, Wilson. Temperature Rise during Laser Lithotripsy: Comparison of Super-Pulse Thulium Fiber Laser (SPTF) vs. High-Power 120 W Holmium YAG Laser (Ho:YAG). AUA 2019.

⁶ Data on file.

 www.olympus.eu/soltive

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