

Lumenis® Pulse™ 50H

Holmium Laser System for
Lithotripsy and Soft Tissue



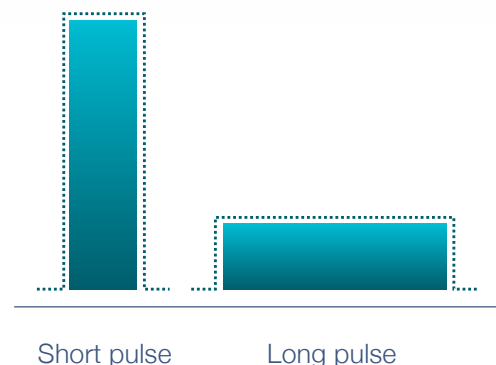
Specially designed to effectively address **any kind** of stone in Lithotripsy and soft tissue

- ✓ Over 130 different energy and frequency settings to address any type or size of stone and soft tissue effectively and rapidly
- ✓ 0.2J of energy per pulse minimizes migration of stones
- ✓ Pre-programmed Pulse Reshaping Technology designed to better address bleeding and retropulsion
- ✓ High energy per pulse and high repetition rate (3.5J and 25Hz) enable a rapid fragmentation rate even with hard stones
- ✓ Dual-pedal enables two different working modes operating simultaneously
- ✓ Hands-free ready/standby mode for improved ease of use



Embedded Homeostasis Capabilities

- Innovative Pulse Reshaping Technology allows physician to quickly switch to a longer pulse to better address bleeding and retropulsion.
- Holmium is well absorbed in water, penetrates tissue in a clear and controlled manner and prevents charring, necrosis and collateral damage.



A Comprehensive Solution

Lumenis Pulse 50H combined the new SlimLine™ 200 D/F/L ball-shaped fiber tip is designed to reduce the risk of damaging the flexible scope during initial fiber insertion.

The combination of different laser parameters allows for a wide range of clinical procedures, including Urology, Arthroscopy, General Surgery, ENT, Gynecology, Gastroenterology and more. The system is validated for the full range of Lumenis fibers to increase the system's reliability and extend the fiber lifetime.

“The Lumenis Pulse 50H system provides basically all features to perform modern intra-corporeal Holmium: YAG-laser lithotripsy including a wide range of energy levels and frequencies. Additionally pulse duration can be extended to minimize retropulsion. The handling of the device is optimized by a double foot pedal”.

Prof. Dr. Jens Rassweiler
Heilbronn, Germany.



Ease of Use

Innovative design and GUI

An intuitive GUI with touch screen allows for the tracking of accumulated energy during the procedure and double settings are controlled by the systems' dual pedals.

Customizable dual pedals

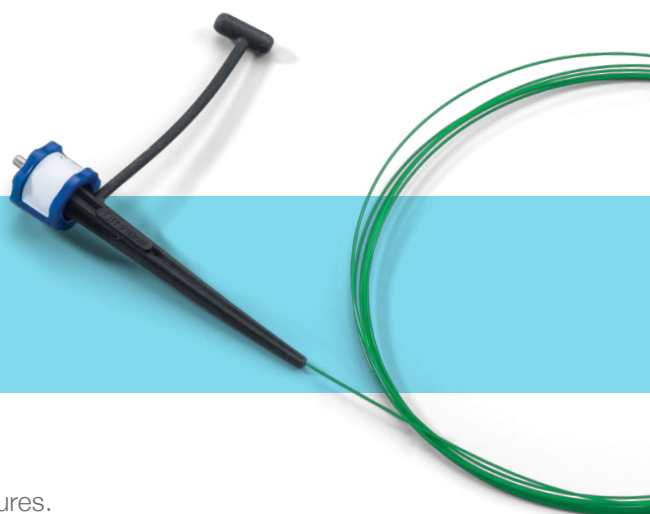
Allows for easy switching between laser settings during procedure. This feature may be applied by having one pedal dedicated to hemostasis in order to address bleeding.

Enhanced Visibility

Green aiming beam for enhanced endoscopic visibility.

Validated with Lumenis® Range of Delivery Devices

- **SlimLine™ family of fibers:**
Is designed for durability, flexibility and versatility in urological procedures.
- **SlimLine™ 200 D/F/L flexible fiber:**
Is designed for flexible ureteroscopy procedures.



Lumenis Pulse 50H Technical Specifications

Parameter	Value
Wavelength	2.1 µm
Max Optical Power	50 W
Max Repetition Rate	25 Hz
Pulse Energy	0.2-3.5 J
Aiming Beam	Green. Three intensity settings.
Pulse Width	Adjustable
Smart Identification System (SIS)	YES
Dual Pedal Footswitch	YES
User friendly GUI two different working modes simultaneously	YES
Electrical	230V, 60Hz, 30A / 230V, 50Hz, 32A
Cooling	Self-contained water-to-air heat exchanger
Dimensions [W / L / H]	46 x 91 x 99 cm/ 18 X 36 X 39 inch
Weight	200 kg (441 lbs.)
Delivery systems	Lumenis reusable and single use delivery systems
Warranty	One year parts and labor

A wide range of treatment options, including:

- Benign Prostatic Hyperplasia
- Kidney stones
- Bladder stones
- Ureteral stones
- Strictures
- Bladder tumors
- Biliary stones
- Gastroenterology procedures
- Orthopedic procedures
- ENT procedures
- Thoracic & Pulmonary procedures
- Gynecology procedures
- Dermatology and plastic surgery

Risk Information

The use of the Lumenis Pulse 50H in urology is contraindicated for patients who are unable to receive endoscopic treatments or are intolerant to prolonged anesthesia, as well as for resection or excision of large vascularized organs. Holmium lasers are intended solely for use by physicians trained in the use of the Ho:YAG (2.1 µm) wavelength. Incorrect treatment settings can cause serious tissue damage. The laser should be used only on tissues that are fully observable. See the system user manual for a complete list of contraindications and risks.

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