

# Lumenis® Pulse™ 100H

Versatile

Powerful

Reliable



# Versatile and Powerful



## High Efficiency for HoLEP and Stone Treatment

### 100W of power for effective HoLEP procedures

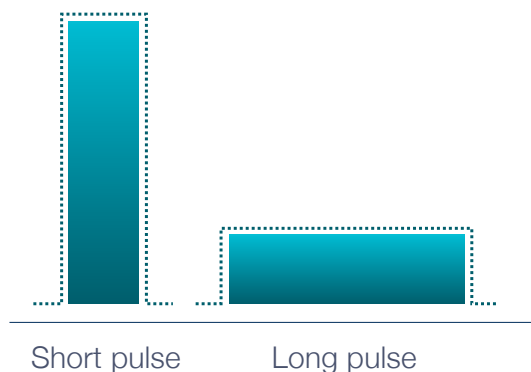
- Usage of high power to reduce procedure time<sup>1</sup>
- Over 15 years of clinical evidence have made HoLEP the right choice for Urologists and patients worldwide
- HoLEP is recommended by the AUA for BPH<sup>2</sup>. Among its advantages are a low reoperation rate, and wide patient applicability<sup>2,3</sup>. Compared with alternative treatment options for BPH, HoLEP has a major advantage in efficacy and safety<sup>3-7</sup>

### Stone-Dusting™

Stone-Dusting Lithotripsy is very efficient at pulverizing stones of any size and type. Clinical evidence suggests that stone dusting may reduce the need for basket extraction thereby reduce possible complications associated with the routine use of ureteral access sheaths<sup>8</sup>. The low energy per pulse applied in dusting typically minimizes retropulsion.

### Embedded homeostasis capabilities

Pulse reshaping technology is designed to better address bleeding and retropulsion.



### References

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3. John Michalak, David Tzou, Joel Funk: HoLEP: the gold standard for the surgical management of BPH in the 21st Century Am J Clin Exp Urol 2015;3(1):36-42
4. Ehab A. Elzayat, Enmar I. Habib, and Mostafa M. Elhilali: Holmium laser enucleation of the prostate: a size-independent new "gold standard" urology 66 (Supplement 5A), November 2005
5. Gilling PJ et al, Long-term results of a randomized trial comparing holmium laser enucleation of the prostate and transurethral resection of the prostate: results at 7 years. BJU Int 2012; 109(3): 408-11.
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7. Ahyai S et al, Holmium Laser Enucleation versus Transurethral Resection of the Prostate: 3-Year Follow-Up Results of a Randomized Clinical Trial. Eur Urol 2007; 52(5):1456-63.
8. Galina Gagin, Duncan Morhardt, John Hollingsworth and Khurshid Ghani, Stone dusting: Outcomes of ureteroscopic lithotripsy using a multi-cavity high-power holmium laser. Abstract# 16-4424 AUA conference 2016

# Reliable

Legacy 100W Lumenis holmium technology used in thousands of procedures around the world for over 15 years

*Case Saver* mode allows the surgeon to complete the procedure in the event of system malfunction

## Ease of Use

### Innovative design and GUI

An intuitive GUI with a 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 might be applied for having one pedal dedicated for hemostasis in order to address bleeding faster and more efficiently.



## Validated with Lumenis® Range of Delivery Devices

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



# Lumenis® Pulse™ 100H

## Technical Specifications

Parameter	Value
Wavelength	2.1 μm
Max Optical Power	100 W
Max Repetition Rate	53 Hz
Pulse Energy	0.2-3.5 J
Aiming Beam	Green. Three intensity settings.
Pulse Width	Adjustable (Short, Long)
Smart Identification System (SIS)	YES
Dual Pedal Footswitch	YES
User friendly GUI - two 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 100H 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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