

Lase smarter.



Rhapsody[®] H-30[®]

HOLMIUM LASER SYSTEM





Dust or bust.

The Rhapsody H-30® Holmium Laser System has a variable pulse width that enables you to tailor your treatment on the fly. The short pulse is recommended for breaking apart dense or large stones for busting (basking) procedures. The long pulse is appropriate for dusting.

Long pulse benefits

- May reduce retropulsion, or stone migration^{1,2,3,4}
- May allow more energy delivery before stone retropulsion and fiber repositioning with continuous pulses³
- May reduce laser fiber tip degradation⁴

Treat soft tissue disease.

The Rhapsody H-30 laser system also allows you to safely treat urethral strictures, perform bladder neck incision, and ablate and resect bladder, urethral, and ureteral tumors.

1. Kang HW, Lee H, Teichman JM, et al. Dependence of calculus retropulsion on pulse duration during Ho: YAG laser lithotripsy. *Lasers Surg Med.* 2006;38(8):762-772.
2. Finley DS, Petersen J, Abdelshehid C, et al. Effect of holmium:YAG laser pulse width on lithotripsy retropulsion in vitro. *J Endourol.* 2005;19(8):1041-1044.
3. Kalra P, Le NB, Bagley D. Effect of pulse width on object movement in vitro using holmium:YAG laser. *J Endourol.* 2007;21(2):228-31.
4. Wollin DA, Ackerman A, Yang C, et al. Variable pulse duration from a new holmium:YAG laser: the effect on stone comminution, fiber tip degradation, and retropulsion in a dusting model. *Urology.* 2017;103:47-51.

Holmium Laser Fibers with SmartSync™ Technology

Cook Medical's Holmium Laser Fibers with SmartSync Technology provide an advanced level of functionality. The SmartSync microchip within the fiber communicates with the Rhapsody H-30 laser system to identify the size of the attached fiber, limit the laser energy to the fiber's maximum allowable power output, and record information related to the case (i.e., power settings, number of pulses, and any suspected laser system or laser fiber malfunction). The integrated protective material in the hub absorbs errant blasts and protects the optical deck on the laser system from damage. This protective material makes the blast shield a redundant measure.*

Single-use fibers

Single-use fibers have red connectors and are offered in the following core diameters: 150, 200, 273, 365, 550, and 940 μm .

Multi-use fibers

Multi-use fibers have color-coded connectors that allow you to easily identify the fiber size. These fibers are offered in the following core diameters: 273 (green), 365 (blue), 550 (violet), and 940 μm (orange). The number of uses for each multi-use fiber will depend upon the careful handling and reprocessing of the fiber.

*Only available on fibers with diameters smaller than 550 μm .



System features

- A variable pulse width minimizes stone migration and maximizes tissue coagulation.⁵
- The 30 W treatment power allows you to treat stones and soft tissue.
- A green aiming beam provides contrast and visualization of the surgical site.
- User-friendly touchscreen controls allow you to quickly change parameters during procedures.



Service and maintenance

A premium service agreement can be purchased for your laser system to provide preventive maintenance and cover service or repairs should the need arise. Talk to a Cook Medical capital equipment specialist for more information.

Specifications

Laser type	Pulsed Holmium: YAG
Laser wavelength	2,100 nm
Maximum average power	30 W
Pulse duration	Short and long ~ 150 μ s, ~ 800 μ s
Pulse energy	0.5-3.5 joule
Repetition rate	5-20 Hz
Visible aiming beam	Diode laser, green, 532 nm (adjustable < 5 mW)
Electrical requirements	115 V ~ \pm 10%/50-60 Hz/20 amp 115 V ~ \pm 10%/50-60 Hz/15 amp
Physical dimensions	20 inch (50 cm) wide 23 inch (59 cm) deep 51 inch (129 cm) high
Weight	225 lb (102 kg)
Safety compliance	IEC 60601-1 IEC 60825-1 IEC 60601-1-2 IEC 60601-2-22

Rhapsody H-30 Holmium Laser

Order Number	Reference Part Number	Voltage V	Amps amp	Configuration	Plug Type
G23663	HL-30A	115	15	Nema 5-15P	
G23071	HL-30B	115	20	Nema 5-20P	

Additional extended warranty, service agreements, and training programs are available for the Rhapsody H-30.

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

5. Bagley DH, Grasso M. Ureteroscopic laser treatment of upper urinary tract neoplasms. *World Journal of Urology*. 2010;28(2):143-149.

Laser accessories

Order Number	Reference Part Number	Fiber Diameter μm
Holmium Laser Radiation Warning Sign		
G50016	HLA-2000	-
Holmium Laser Safety Glasses		
G50015	HLA-2010	-
Holmium Laser Safety Goggles		
G50014	HLA-2020	-

Order Number	Reference Part Number	Fiber Diameter μm
Stripping Tool		
G50011	HLA-2120	273
G50010	HLA-2130	365
G50009	HLA-2150	550
G50012	HLA-2110	940
Fiber Cleaving Tool		
G50013	HLA-2100	-
Fiber Inspection Microscope		
G49750	HLA-2300	-

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Holmium laser fibers

For use with Rhapsody H-30 and SMA-905 connector laser systems

Order Number	Reference Part Number	Fiber Diameter μm	Connector Color
Single-Use Holmium Laser Fiber Sold in boxes of 3			
G25292	HLF-S150-HSMA	150	red
G25293	HLF-S200-HSMA	200	red
G25294	HLF-S273-HSMA	273	red
G25295	HLF-S365-HSMA	365	red
G25296	HLF-S550-HSMA	550	red
G25297	HLF-S940-HSMA	940	red
Multi-Use Holmium Laser Fiber Sold individually			
G25298	HLF-M273-HSMA	273	green
G25299	HLF-M365-HSMA	365	blue
G25300	HLF-M550-HSMA	550	violet
G25301	HLF-M940-HSMA	940	orange

For use with Rhapsody H-30 and Odyssey 30 laser systems

Order Number	Reference Part Number	Fiber Diameter μm	Connector Color
Single-Use Holmium Laser Fiber Sold in boxes of 3			
G23553	HLF-S273-H30	273	red
G23552	HLF-S365-H30	365	red
G23734	HLF-S550-H30	550	red
G23735	HLF-S940-H30	940	red
Multi-Use Holmium Laser Fiber Sold individually			
G23668	HLF-M273-H30	273	green
G23667	HLF-M365-H30	365	blue
G23666	HLF-M550-H30	550	violet
G23665	HLF-M940-H30	940	orange

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