

Minimize
migration,
maximize
performance.



H-30™

HOLMIUM LASER SYSTEM

With the H-30™ Holmium Laser System and Holmium Laser Fibers with SmartSync™ Technology you can safely and effectively treat stones and soft tissue malformations within the urinary tract.

H-30™

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The H-30 Holmium Laser System features a variable pulse width to minimize stone migration and maximize tissue coagulation. Choose between three configurations. The 230 V system produces 30 W power. The H-30 also delivers a full 30 W when configured at 115 V and 20 amps. (Other lasers only provide 15 W when configured for 20 amps.) A 115 V and 15 amp setup is also available.

With the advantages of a full 30 W and a variable pulse width, the H-30 allows you to treat urethral strictures and perform bladder neck incision. It can be used for the ablation and resection of bladder, urethral and ureteral tumors. The laser system is also ideal for treating any type of calculi, regardless of color or composition, in the kidneys, ureters or bladder.

System Features

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

Specifications

Laser type	Pulsed Holmium: YAG
Laser wavelength	2100 nm
Maximum average power	30 Watts
Pulse duration	Short and long
Pulse energy	0.5 to 3.5 Joule
Repetition rate	5 to 20 Hz
Visible aiming beam	Diode laser, green, 32 nm (adjustable < 3 mW maximum)
Electrical requirements	115/230 V~ 15/20 A single-phase
Physical dimensions	20 in (50 cm) wide 23 in (59 cm) deep 51 in (129 cm) high
Weight	176 lbs. (80 kg)
Safety compliance	UL/CSA 2601 EN 60601-1 EN 60825-1 EN 60601-1-2



Holmium Laser Fibers

Holmium Laser Fibers with SmartSync Technology are compatible with most SMA-905 holmium lasers, but they provide an advanced level of functionality when they are used with the H-30. The SmartSync microchip communicates with the H-30 to identify the size of the attached fiber, limit the laser energy to the fiber's maximum allowable power output, and record all information related to the case (i.e., power settings, number of pulses and any suspected laser system or laser fiber malfunction).

Single-Use Fibers

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

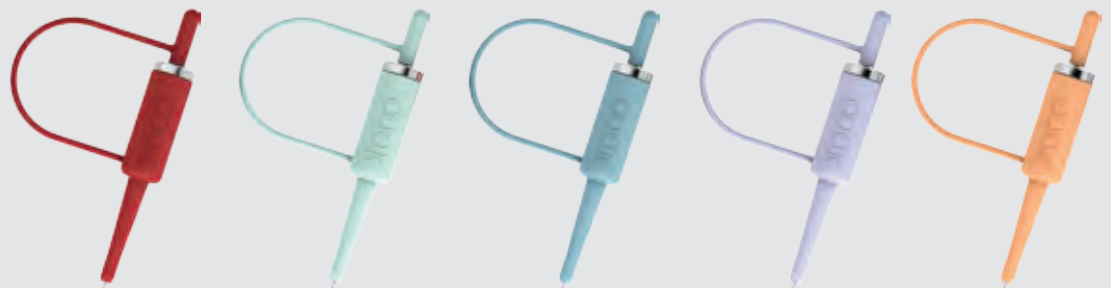
Multi-Use Fibers

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 (orange) μm .

The number of uses for each multi-use fiber will depend upon the careful handling and reprocessing of the fiber.

Features

- Color-coded connectors help you determine the appropriate usage and size of a fiber.
- 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.
- A SmartSync microchip communicates with the H-30 to identify and record important information.



Use	Single-Use	Multi-Use	Multi-Use	Multi-Use	Multi-Use
Core diameter microns	150, 200, 273, 365, 550, 940	273	365	550	940

H-30[™]

HOLMIUM LASER SYSTEM

Order Number	Reference Part Number	Fiber Diameter μm	Comments
H-30 Holmium Laser			
G23663	HL-30A	-	115 V, 15 amp
G23071	HL-30B	-	115 V, 20 amp
G23664	HL-30C	-	230 V
Holmium Laser Radiation Warning Sign			
G50016	HLA-2000	-	-
Holmium Laser Safety Glasses			
G50015	HLA-2010	-	-
Holmium Laser Safety Goggles			
G50014	HLA-2020	-	-
Stripping Tool			
G50011	HLA-2120	273	-
G50010	HLA-2130	365	-
G50009	HLA-2150	550	-
G50012	HLA-2110	940	-
Fiber Steam Sterilization Tray			
G50008	HLA-2200	-	-
Fiber Cleaving Tool			
G50013	HLA-2100	-	-
Fiber Inspection Microscope			
G49750	HLA-2300	-	-

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

Fibers for Use with H-30 and Non-SMA-905 Connector Laser Systems

Order Number	Reference Part Number	Fiber Diameter μm	Connector Color
Single-Use Holmium Laser Fiber			
G23731	HLF-S150-H30	150	red
G23733	HLF-S200-H30	200	red
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*			
G23668	HLF-M273-H30	273	green
G23667	HLF-M365-H30	365	blue
G23666	HLF-M550-H30	550	violet
G23665	HLF-M940-H30	940	orange

**The connector color identifies the fiber diameter.*
Contact your local Cook representative or Customer Service for details.

Fibers for Use with H-30 and SMA-905 Connector Laser Systems

Order Number	Reference Part Number	Fiber Diameter μm	Connector Color
Single-Use Holmium Laser Fiber			
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*			
G25298	HLF-M273-HSMA	273	green
G25299	HLF-M365-HSMA	365	blue
G25300	HLF-M550-HSMA	550	violet
G25301	HLF-M940-HSMA	940	orange

**The connector color identifies the fiber diameter.*
Contact your local Cook representative or Customer Service for details.

Service Clientèle

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NOM DU PRODUIT : H-30 Holmium Laser System - H-30™ système laser holmium, **DESTINATION :** Cette section présente l'utilisation du système laser holmium H-30 dans les applications cliniques.

Les informations sont fournies par spécialité et incluent des recommandations opératoires ainsi que des indications et contre-indications spécifiques. Les informations fournies dans cette section ne sont pas exhaustives et ne sont pas destinées à remplacer la formation ou l'expérience du médecin. Seuls les médecins et le personnel dûment formés et connaissant bien les consignes et précautions de sécurité incluses dans ce manuel doivent utiliser le H-30. Une révision de la formation suivie auparavant est vivement suggérée et recommandée., **CLASSE DU DISPOSITIF**

MEDICAL : <IIb, **ORGANISME NOTIFIÉ :** LRQA 0088, **FABRICANT :** Cook Urological, **MODE D'EMPLOI :** Veuillez lire attentivement les instructions figurant sur la notice ou l'étiquetage du dispositif médical, **REMBOURSEMENT :** Pris en charge par l'assurance maladie., **DATE DE PUBLICATION :** 2012 Décembre, **NUMÉRO DE RÉFÉRENCE INTERNE :** URO-BFRM-H30BR-FR-201212

