



HYPHO

The indispensable, compact Holmium Laser



Up to 35 W
Up to 30 Hz
Up to 8.0 J
Up to 1900 μ s

APPLICATIONS

General and Percutaneous Lithotripsy

Renal calculi
Ureteral calculi
Bladder calculi

Open and Endoscopic Surgery
Ureteral and Urethral Strictures

Bladder and Ureteral Tumors

Bladder carcinomas
Condylomas

Lesions of external genitalia

General Surgery

Compact and light

Advanced patient database

Internal videos and photos

Unlimited protocols

Ethernet connection

Remote diagnostic

Remote upload of customized software

Wide range of accessories

High peak power

Variable pulse width

Green aiming beam

Low noise

Blast shield protection

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Specifications

Model	HyPHo
Wavelength	2100nm
Power	35W @ $\geq 272\mu\text{m}$ core optical fiber, 30W @ $200\mu\text{m}$ core optical fiber
Energy	0.2 - 8.0 J
Pulse Repetition Rate	From 3 to 30 Hz
Pulse duration	From 95 to 1900 μs
Beam delivery	Wide range of Flexible Silica frontal Optical Fiber
Aiming beam	Green adjustable 5mW @ 532nm (class 3R)
Mains	115VAC, 50/60 Hz, 20A, 230VAC 50 Hz 15A
Size	50 cm (W) x 54 cm (H) x 40 cm (D)
Weight	53 Kg

2.1 μm radiation of the HyPHo system is strongly absorbed by water and tissue. Minimal penetration, less than 0.5mm, ensures safe tissue ablation.

The laser operates only in pulsed mode. When it operates with short pulse duration it is highly effective in the fragmentation of calculi and in the hard tissue ablation. When it operates in long pulse duration it is highly effective in cutting soft tissue providing excellent haemostasis and coagulation. Thanks to its high water absorption the application in a hydrous solution environment is intrinsically safe.

Four operative modes are available: Ablation, Coagulation, Fragmentation mode, Dusting mode. Tens of preset protocols are included in the software.

Fragmentation mode with shorter pulses ensures excellent stone fragmentation especially for harder stones.

Dusting mode with longer pulses ensures:

- minimized stone migration;
- smaller fragment production avoiding the need for basket extraction reducing the total time of the procedure;
- Reduced laser fiber burn back.

ACCESSORIES

Frontal Optical Fibers:

- 200 μm core sterile single use or 10time reusable
- 272 μm core sterile single use or 10time reusable
- 365 μm core sterile single use or 10time reusable
- 550 μm core sterile single use or 10time reusable
- 800 μm core sterile single use or 10time reusable
- 1000 μm core sterile single use or 10time reusable

Endonasal probes
Surgical handpiece

Adjustable fiber stripper
Ceramic scissors
Safety goggles

Cart

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