







Litho

30W - 35W HOLMIUM:YAG FOR LITHOTRIPSY

Litho surgical unit is based on Holmium (Ho:YAG) laser with emission at 2100 nm wavelength. This wavelength is highly absorbed by water and biological tissue providing excellent cutting, ablation and hemostatic properties. The limited radiation penetration (0.3 - 0.4 mm) results in minimal damages to surrounding tissue.

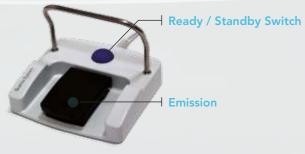
The **Litho** automatically adjusts the emission settings based on fiber diameter and selected mode.

General Overwiew

- Effective Lithotripsy
- ✓ Reduced Depth of Penetration
- ✓ High Versatility
- ✓ Soft Tissue Surgery
- ✓ Compact Design
- ✓ Quick ROI













HIGH PULSE ENERGY

SHORT PULSE

Up to 5 J, for superior pulse energy range





TREAT ALSO THE HARDEST STONES

Greater pulse energy allows to break harder stones

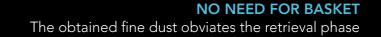






COLLECTION BASKET NEEDED

Retrieve stone pieces upon fragmentation





The Excellence in its Category



HIGH POWER

Up to 35 W, for faster tissue incision



HIGH PULSE ENERGY

Up to 5 J, for the fragmentation of the hardest stones



HIGH FREQUENCY

Up to 30 Hz, for faster low energy ablation



LARGE PULSE WIDTH RANGE

Up to 1500 μs, for superior Dusting lithotripsy



FLEXIBILITY High power also with small fibers



NUMBERS OF VERSALITY

Litho device is a well-established laser technology in the worldwide market. These the numbers of its success:



INSTALLATIONS WORLDWIDE



COUNTRIES WHERE INSTALLED



DOCTORS TRAINED AT OUR REFERENCE CENTERS

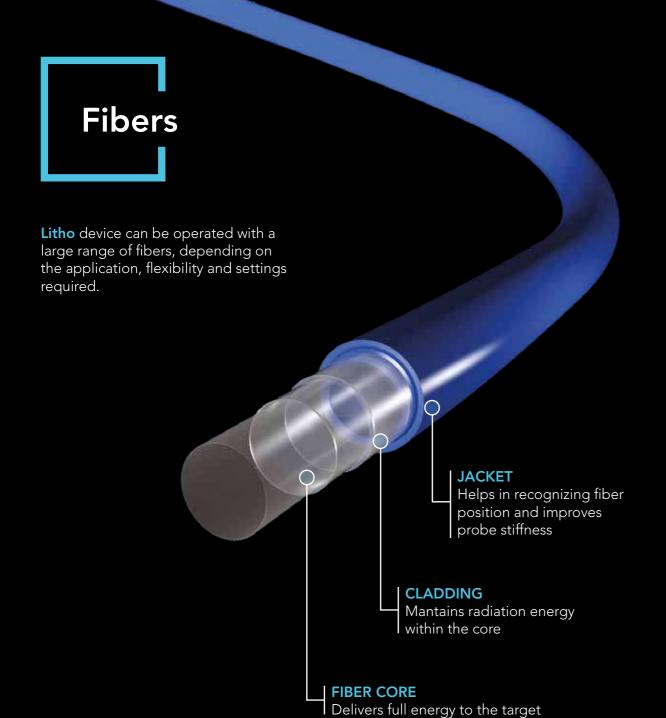


INTRODUCTION OF THE FIRST LITHO MODEL



AVAILABLE COMBINATIONS OF ENERGY, FREQUENCY AND PULSE WIDTH









STANDARD FIBERS

For general use in stone and soft tissue treatments



BALL TIP FIBERS

Strongly simplify the insertion in already bent scopes



PERFORMANCE FIBERS

Designed to deliver great power even with small fibers



GASTRO FIBERS

Specifically designed for the fragmentation of gallstones



AVAILABLE DIAMETERS

200, 272, 365, 550, 800 and 1000 µm



REUSABILITY

All fibers are available both as disposable and reusable (except Ball Tip model)



CLEANING

Reusable fibers can be sterilized by Sterrad® and steam sterilization

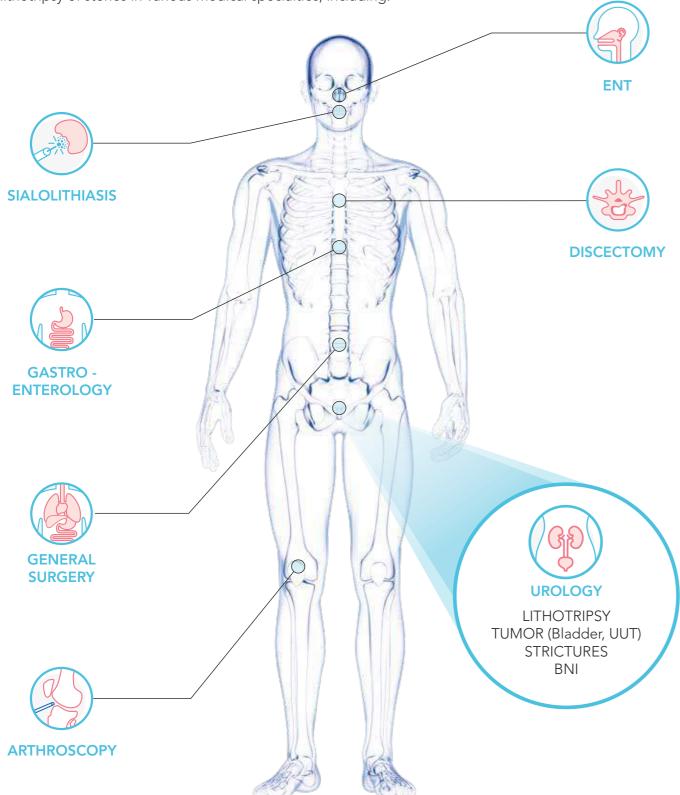


STERILIZATION TRAY

A dedicated fiber and tool sterilization tray is available

Applications

Litho can be used to perform incision, excision, resection, ablation, vaporization, coagulation and hemostasis of soft tissue and in lithotripsy of stones in various medical specialties, including:



Technical Specifications

	30 W Model	35 W Model
Average power	30 W	35 W
Repetition rate	3 ÷ 25 Hz	3 ÷ 30 Hz
Energy per pulse	0,2 ÷ 4 J	0,1 ÷ 5 J
Wavelength	2,1 µm	
Pulse duration	95 ÷ 1500 μs	
Beam delivery	Wide range of flexible silica fibers	
Recognition fiber	RFID System	
Activation	Double Footswitch	
Aiming beam	532 nm, (adjustable <5mW) - Class 3R	
Electrical requirements	230 Vac, single phase; 50/60 Hz; 10 A 115 Vac, single phase; 50/60 Hz; 20 A	
Cooling	Closed water-air cooling circuit	
Operating temperature	10°C ÷ 30°C	
Dimensions and weight	26 cm (W) x 84 cm (D) x 92 cm (H) - 86 kg	