



# Typenex Surgical MH01 Laser

30 Watt Holmium YAG

TYPENEX   
SURGICAL

## Overview

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The Typenex Surgical MH01 Laser is a 30 Watt Holmium YAG laser with a 2100 nm wavelength. Featuring a range of frequencies and energy, this laser efficiently treats a variety of stones throughout the urinary system as well as tissue incision, excision, resection, ablation, vaporization, coagulation, and hemostasis.

With a user-focused design, the MH01 includes an intuitive touchscreen menu with recommended settings to help the user choose the frequency while offering adaptability and ease of use.

30W Holmium Laser Characteristics	
Wavelength	Ho:YAG 2100 nm
Pulse Energy	0.2 - 4J
Pulse Frequency	3 - 25 Hz
Pulse Duration	95 - 1500 $\mu$ s
Pulse Length Regulation	Automatic
Identification of Fiber	Fiber RFID with TAG device
Average Power	Up to 30W - Wavelength: 2100 $\pm$ 20 nm
Electrical	100-120 VAC : 50/60 Hz 16 A
200 - 240 VAC	200 - 240 VAC: 50/60 Hz 10 A
Dimensions	938 x 332 x 967 (H x W x D) mm
Weight	60 kg



# Application Modes

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**Lithotripsy** - The MH01 Laser's breadth of settings enable the user to enact his or her technique of choice:

- Dusting - Long pulse setting enables stone ablation.
- Fragmentation - Short pulse setting facilitates the breaking of stones into smaller fragments.

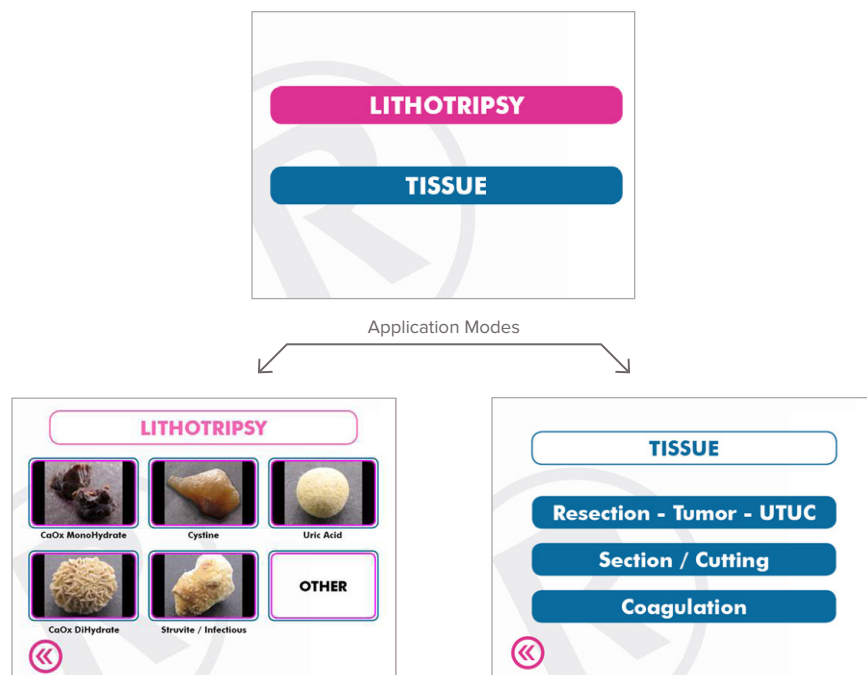
## Tissue

- Coagulation of soft tissue
- Resection of soft tissue
- Incision/excision of soft tissue

**Menu Settings** - Menu settings include pre-determined energy settings by stone type and can be adjusted to the user's needs.

**Cutting Fiber Alarm** - Alarm sounds for 10 seconds, indicating the need to cut the fiber which enhances fiber performance.

**Touch Screen Display** - Allows the user to easily toggle between settings to change pulse, energy, and frequency.



# Laser Fibers

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Typenex Surgical offers Single Use and Reusable laser fibers for use with the MH01 Laser.


**Single Use Laser Fibers** - A durable and flexible optical fiber, the Single Use Laser Fiber is sterile and individually packaged. The design is proprietary and contains an RFID chip recognized by the MH01.

**Reusable Laser Fibers** - The Reusable Laser Fiber is a durable and flexible optical fiber that may be sterilized and reused up to 10 times. An RFID chip holds the fiber's history, displaying the number of uses remaining. The design is proprietary.

## Ordering Information

Product Code	Description	Units per Box
MH01205	Holmium Medical Laser	1
MF200ST205	Single Use Sterile 200 $\mu$ m Surgical Optical fiber, RFID	5
MF272ST205	Single Use Sterile 272 $\mu$ m Surgical Optical fiber, RFID	5
MF365ST205	Single Use Sterile 365 $\mu$ m Surgical Optical fiber, RFID	5
MF550ST205	Single Use Sterile 550 $\mu$ m Surgical Optical fiber, RFID	5
MF800ST205	Single Use Sterile 800 $\mu$ m Surgical Optical fiber, RFID	5
MF200RST205	Reusable 10x Sterile 200 $\mu$ m Surgical Optical fiber, RFID	5
MF272RST205	Reusable 10x Sterile 272 $\mu$ m Surgical Optical fiber, RFID	5
MF365RST205	Reusable 10x Sterile 365 $\mu$ m Surgical Optical fiber, RFID	5
MF550RST205	Reusable 10x Sterile 550 $\mu$ m Surgical Optical fiber, RFID	5
MF800RST205	Reusable 10x Sterile 800 $\mu$ m Surgical Optical fiber, RFID	5

For more information, visit [www.typenexsurgical.com](http://www.typenexsurgical.com).  
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