The new Litho EVO device represents the evolution of Quanta System low power Holmium line (Litho), improving the performances of its predecessors and adding some of the innovations recently introduced with our high power Holmium line.

Litho EVO is designed for enhanced versatility in lithotripsy and soft tissue surgery. The user has the possibility to be guided in the selection of emission parameters, to switch immediately between different settings thanks to the double footswitch and to save his favourite settings. The use of the MasterPULSE and Vapor Tunnel™ technologies further empowers the surgeon with advanced treatment tools.

General Overview

- Effective Lithotripsy
- Vapor Tunnel™ Technology
- High Power and Frequency also with Small Fibers
- MasterPULSE
- Reduced Depth of Penetration (0.3-0.4 mm)
- Soft Tissue Surgery
- Quick ROI
- High Versatility
The double footswitch enables immediate switch from one emission mode to another, with complete customization of pedal-mode association. No bothersome interruptions are needed for settings readjustment.
HIGH PULSE ENERGY
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
Dusting Effect

Vapor Tunnel™

LONG PULSE WIDTH
Up to 1100 µs, for smooth ablation

LIMITED RETROPULSION
Easy ablation with no need to chase stone

NO NEED FOR BASKET
The obtained fine dust obviates the retrieval phase
Beyond standard low power Holmium

- **DOUBLE FOOTSWITCH**
- **HIGH PERFORMANCES EVEN WITH SMALL FIBERS**
- **SAVING OF SETTINGS**
- **MASTERPULSE**
  (7 steps pulse duration adjustment)
- **GUIDE SETTINGS SELECTION**
  (not only for urology)
Reliability

- **1000+** Installations Worldwide
- **25+** Countries Where Installed
- **200+** Doctors Trained at Our Reference Centers
- **2008** Introduction of the First Litho Model
Fibers

Litho EVO device can be operated with a large range of fibers, depending on the application, flexibility and settings required.

**STANDARD FIBERS**
For general use in stone and soft tissue treatments. High power emission already with small fibers!

**BALL TIP FIBERS**
Strongly simplify the insertion in already bent scopes

**GASTRO FIBERS**
Specifically designed for the fragmentation of gallstones

**FIBER CORE**
Delivers full energy to the target

**JACKET**
Helps in recognizing fiber position and improves probe stiffness

**CLADDING**
Maintains radiation energy within the core
**FIBER RECOGNITION**
Litho EVO automatically adjusts emission settings based on the connected fiber diameter.

**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
Litho EVO 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:

- ENT
- DISCECTOMY
- GASTROENTEROLOGY
- GENERAL SURGERY
- ARTHROSCOPY
- UROLOGY
  - LITHOTRIPSY
  - TUMORS (Bladder, UUT)
  - STRICTURES, BNI
## Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
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<tbody>
<tr>
<td>Average power</td>
<td>35 W</td>
</tr>
<tr>
<td>Repetition rate</td>
<td>3 ÷ 30 Hz</td>
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<tr>
<td>Energy per pulse</td>
<td>0,1 ÷ 5 J</td>
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<tr>
<td>Wavelength</td>
<td>2,1 µm</td>
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<tr>
<td>Pulse duration</td>
<td>50 ÷ 1100 µs</td>
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<tr>
<td>Beam delivery</td>
<td>Wide range of flexible silica fibers</td>
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<tr>
<td>Recognition fiber</td>
<td>RFID System</td>
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<tr>
<td>Activation</td>
<td>Double Footswitch</td>
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<tr>
<td>Aiming beam</td>
<td>532 nm, (adjustable &lt;5mW) - Class 3R</td>
</tr>
</tbody>
</table>
| Electrical requirements  | 220-230 Vac; 10 A; 50/60 Hz  
                              | 100/115 Vac; 20 A; 50/60 Hz                 |
| Cooling                  | Closed water-air cooling circuit             |
| Operating temperature    | 10°C ÷ 30°C                                  |
| Dimensions and weight    | 45.2 cm (W) x 85.2 cm (D) x 93.5 cm (H) (display closed) - 95 kg |
Quanta System products are manufactured according to the International standards and have been cleared by the most important International notified bodies. The Company is UNI EN ISO 9001:2015 and EN ISO 13485:2016 certified. Quanta System S.p.A. was founded in 1985 and belongs to the EI. En. Group (a public company listed in the Star segment of the Italian Stock Exchange) since January 2004. The company, divided into three business units (medical, scientific and industrial) is specialized in manufacturing of laser and opto-electronic devices.

Note: National local authorities may put restrictions to the parameters indicated in the table in the previous page, or may limit or remove certain intended uses. Specifications are subject to change without notice.

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Visible and Invisible Laser Radiation
Avoid eye skin exposure to direct or scattered radiation
Laser product: Class 4
Aiming beam: Class 3R