We've got the power.
You've got the choice.

**Mega Pulse**

Powerful laser system for treatment of stones
Stones to dust
Maximum power through innovative technology. The Desktop and Mini-tower are Holmium YAG lasers with a robust 30 watts or 4.0 joules and 25 Hz. This enables users to carry out stone dusting and coarse fragmentation.

Outstanding performance features make the two MegaPulse 30+ Lasers stars in their class:
- Wide adjustment range of variation in power and pulse duration
- Different user modes and individual presets
- Green pilot beam with stored long and short single pulses
- Intuitive user navigation, very good directly readable display
- Integrated, large-scale cooling system permits application irrespective of the ambient temperature
- Simple setup
- Blast shield with smart access

More than stones
Apart from urology, the MegaPulse 30+ is licensed for further specialist disciplines:
- Surgery
- ENT
- Gynecology
- Arthroscopy
- Gastroenterology
- Spine surgery

The four adjustable modes significantly facilitate work
- Lithotripsy for stone desintegration
- Ablation for removal of tissue
- Coagulation for cutting of tissue
- Stone Dusting for stone pulverization

Great power has never been this compact
MegaPulse Desktop 30+ develops very high power despite its compact format. This makes therapy more efficient and creates space in the operating room. The mobile Minitower with the same performance is the alternative to the desktop. You’ve got the choice!
Great power in compact space
The powerful laser in the desktop version - the desktop unit easily finds space in any operation room.

Superb climate for your treatment
MegaPulse 30+ has powerful, integrated cooling in desktop and tower configuration. This enables the system to be deployed even at ambient temperatures up to 30°C.

Switch and control
Cable and foot-switch cradle at the rear of the device provides neat cabling and easy access.

Lots of freedom in use – easily transportable
The Minitower packs the same power. We have also made the innovative laser system mobile. Easily steerable and lockable casters and high stability during transport make the Tower version an attractive alternative. And the technical features - in particular the enormous power - remain unchanged and are the same as the Desktop version. Some of the practical details facilitate easy use.
You and your team should be able to concentrate on essentials – the operation. The intuitive control concept of the MegaPulse 30+ makes life easy for you. Even operatives will be able to use these lasers immediately.

Refined optimization of features make application even more user friendly:
- Large color 8.4" touchscreen instead of complex switches
- Unique well-lit panel for optimum readability at all times under all light conditions
- Large menu buttons
- Setting of the pilot beam (brightness and flashing function) is easy and fast
- "Mode" setting for individualized pre-selection of treatment options (lithotripsy, coagulation, ablation, stone dusting)

Fast start-up with easy setup
Integrated, easy operation starts with installation of the system. MegaPulse 30+ is not based on complex processes. Bidestilliertes Wasser einfuellen, starten, fertig. Your system is ready after a few easy steps.
Power is not effective without control
MegaPulse 30+ offers optimum safety for users and patients. Highly sophisticated features focus on safety.

- **Large, individually adjustable power range**

- **Green pilot beam with interval adjustable function**
  The adjustable green pilot beam facilitates orientation, e.g. during hemorrhage. MegaPulse 30+ also offers you an interval function (flashing). It avoids distracting over-exposure at the operating site.

- **Individual settings**
  Preset modes for specific therapies make work effective and fast. The presets are carried out easily using the display.

- **Fiber identification**
  The smart function recognizes the identity of the fiber when it is inserted and shows whether the connection is correct. The display presents information about the manufacturer (original or not), fiber type (disposable or reusable) and on diameter. The energy rating of the fibers being used is identified and the possibility of over-exposure is excluded.

- **Wide range of fibers**
  A range of different fiber strengths is supplied. These are packed sterile - immediately useable - delivery as disposable and reusable versions.
Complete Set
You have the choice

MegaPulse Tower 30+ Set
consisting of:
MegaPulse Tower 30+ (2286006),
door contact plug (2286520),
2 x water filter (2286521),
1 x laser protection goggles (OBM003603),
fiber stripping tool (2286523),
ceramic scissors (AGM000080),
wrench set (2286525)
and foot-switch (2030122)

MegaPulse Desktop 30+ Set
consisting of:
MegaPulse Desktop 30+ (2286001),
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fiber stripping tool (2286523),
ceramic scissors (AGM000080),
wrench set (2286525)
and foot-switch (2030122)
ENDOCAM Flex HD & BOA vision EF / COBRA vision EF

flexible Sensor URS cpl. consisting of:
COBRA vision EF flexible Sensor URS (73561071 resp. 73561076), 2 x rinsing set V (163910), disposable cleaning brushes (pack of 10 pcs., 7990001), disposable cleaning brushes (pack of 10 pcs., 7990003), adapter (163914), leak tester (163.903), clamping element, orange (pack of 20 pcs., 15394144), pressure equalization valve (163.904), Forward movement of the control lever, downward movement of the tip .......................... 735610711 upward movement of the tip .............................. 735610761

ENDOCAM Flex HD Controller Set consisting of:
ENDOCAM Flex HD Controller (5521101), cable HDMI/DVI-D (103843), and power cable (244003) ................................. 55211011

ENDOCAM Logic HD Controller Set consisting of:
ENDOCAM Logic HD Controller (5525108), manual remote control (5525401), USB flash drive 8 GB (56540028), terminator CAN-Bus (5590989), cable HDMI/DVI-D (103843), and power cable (244003) ................................. 55251081
### Accessoires

#### Laser fibers, packed singly, sterile:

<table>
<thead>
<tr>
<th>Fiber Ø</th>
<th>Single-use product</th>
<th>Reusable product</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 μm</td>
<td>487501200</td>
<td>87501200</td>
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<tr>
<td>272 μm</td>
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<tr>
<td>365 μm</td>
<td>4875013650</td>
<td>875013650</td>
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<tr>
<td>550 μm</td>
<td>487501550</td>
<td>87501550</td>
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<tr>
<td>800 μm</td>
<td>487501800</td>
<td>87501800</td>
</tr>
<tr>
<td>1000 μm</td>
<td>4875011000</td>
<td>875011000</td>
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</table>

#### Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Laser type</td>
<td>Ho:YAG</td>
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<tr>
<td>Wavelength</td>
<td>2100 nm</td>
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<tr>
<td>Power max.</td>
<td>30 W</td>
</tr>
<tr>
<td>Pulse energy</td>
<td>200 - 400 mJ</td>
</tr>
<tr>
<td>Pulse frequency</td>
<td>3 - 25 Hz</td>
</tr>
<tr>
<td>Pulse duration</td>
<td>150 - 800 μs</td>
</tr>
<tr>
<td>Pilot beam</td>
<td>532 nm (green)</td>
</tr>
</tbody>
</table>
| Power supply unit          | Desktop: 100 - 240 V~ 50/60 Hz, 10/16 A  
                           | Tower: 100 - 240 V~ 50/60 Hz, 10/16 A |
| Dimensions (W x D x H)     | Desktop: 480 x 555 x 350 mm  
                           | Tower: 260 x 840 x 920 mm |
| Weight (ready for use)     | Desktop: 40 kg  
                           | Tower: 90 kg |
| Controls                   | Touchscreen   |
| Cooling                    | Integrated cooling system |
| Operating temperature      | 10 - 30°C     |

#### Special accessoires:

- **Fiber stripping tool**
  - 0.3 - 1.0 mm: 2286523
  - 0.1 - 0.4 mm: 2286527

- **Ceramic scissors**
  - (for breaking the fiber): AGM000080

- **Blast-Shield**: OAM001523

#### Intended Use

- Urology
- Surgery
- ENT
- Gynecology
- Arthroscopy
- Gastroenterology
- Spine surgery