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

Powerful laser system for treatment of stones and more
Stones to dust

Innovative technology and the most advanced components permit maximum power output. The Desktop and Minitower are Holmium YAG lasers with a robust 30 watts or 4.0 joules and 25 Hz. This is more than adequate for Stone Dusting.

Great power was never so small.

The MegaPulse Desktop 30+ develops the highest power output possible for a desktop unit. 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!

Outstanding performance features make the two MegaPulse 30+ Lasers stars in their class:

- Desktop and Tower versions give you a choice
- Stone treatment and more – also approved for other specialist disciplines
- Wide adjustment range of variation in power and pulse duration
- Different user modes and individual presets
- Green pilot beam with interval adjustment function.
- Intuitive user navigation, very good directly readable display
- Integrated cooling system especially designed for climate-independent applications
- Simple setup

More than stones

Apart from urology, the MegaPulse 30+ is licensed for further specialist disciplines:

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

The three adjustable modes significantly facilitate work.

- Lithotripsy for stone disintegration
- Ablation for removal of tissue
- Coagulation for cutting tissue
Unique power in two versions

Great power in compact space

Our most powerful laser in the desktop version. The Desktop unit easily finds space in any operating room. On a side table, a video trolley or on a ceiling pendant.

max. 30 watts
max. 4.0 joules
max. 25 hertz

Lots of freedom in use – easily transportable

The Tower 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 and the display can be folded up.
Power can be so easy

You and your team should be able to concentrate on essentials – the operation. MegaPulse 30+ makes your job easier because the user concept is intuitive. Even operatives with minimal experience using lasers will be able to use these lasers immediately.

- Large touchscreen instead of complex switches
- Unique well-lit panel for optimum readability 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)

Fast start-up with easy setup

Integrated, easy operation starts with installation of the system. MegaPulse 30+ is not based on complex processes. Fill with water, start up, ready to go. Your system is ready after a few easy steps.
Power arrives efficiently

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 adjustment 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**
  Presets adjustable in advance for specific therapies make working effective and fast. The presets are carried out easily using the display.

- **Fiber identification with automatic power**
  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**
  We supply a wide range of different fiber diameters as single-use and reusable. Both types are delivered individually packed and sterile.
Stay cool rather than switch off

Superb climate for your treatment

MegaPulse 30+ has a powerful and integrated cooling system in the Desktop and Tower design. This enables the system to be used 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.
## Complete Set

### Basic Sets without instruments

<table>
<thead>
<tr>
<th>Set Name</th>
<th>Description</th>
<th>Specification</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MegaPulse Desktop 30+ Set</td>
<td>comprising: MegaPulse Desktop 30+ (2286001), door-contact plug (2286520), 2 x DI filter (2286522), laser stripping tool (2286523), ceramic scissors (2286524), key set (2286525) and footswitch (2030122)</td>
<td>22860010</td>
<td>.............................</td>
</tr>
<tr>
<td>MegaPulse Tower 30+ Set</td>
<td>comprising: MegaPulse Tower 30+ (2286002), door-contact plug (2286520), 2 x DI filter (2286522), laser stripping tool (2286523), ceramic scissors (2286524), key set (2286525) and footswitch (2030122)</td>
<td>22860020</td>
<td>.............................</td>
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</tbody>
</table>

### Application Sets

The sets described are suggestions related to practical applications. Naturally, the choice is yours when it comes to combining instrument sets and lasers to suit your requirements. All our sets offer you a price benefit compared with purchasing individual items of equipment.

Each of these user sets includes the MegaPulse Desktop 30+ Basic Set (22860010) or MegaPulse Tower 30+ Basic Set (22860020) and the instrument of your choice. Ask us about other combinations.

- **Viper** - for kidney stone sets I – IV
- **Cobra** - for kidney stone sets V – VIII

### Kidney Stones I

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<tr>
<td>MegaPulse Desktop 30+ Basic Set</td>
<td>22860010</td>
<td>Flexible Ureterorenoscope 270° Set: 6/8.8 Fr., viewing direction 0°, working channel 3.6 Fr., control lever in a distal direction, angled downward, WL 680 mm (73250711)</td>
<td>22860024</td>
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<tr>
<td>MegaPulse Tower 30+ Basic Set</td>
<td>22860020</td>
<td>Flexible Ureterorenoscope 270° Set: 6/8.8 Fr., viewing direction 0°, working channel 3.6 Fr., control lever in a distal direction, angled downward, WL 680 mm (73250711)</td>
<td>22860028</td>
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### Kidney Stones II

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<td>MegaPulse Desktop 30+ Basic Set</td>
<td>22860020</td>
<td>Flexible Ureterorenoscope 270° Set: 6/8.8 Fr., viewing direction 0°, working channel 3.6 Fr., control lever in a distal direction, angled downward, WL 680 mm (73250711)</td>
<td>22860025</td>
</tr>
<tr>
<td>MegaPulse Tower 30+ Basic Set</td>
<td>22860020</td>
<td>Flexible Ureterorenoscope 270° Set: 6/8.8 Fr., viewing direction 0°, working channel 3.6 Fr., control lever in a distal direction, angled downward, WL 680 mm (73250711)</td>
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### Kidney Stones III

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<td>MegaPulse Desktop 30+ Basic Set</td>
<td>22860010</td>
<td>Flexible Ureterorenoscope 270° Set: 6/8.8 Fr., viewing direction 0°, working channel 3.6 Fr., control lever in a distal direction, angled upward, WL 680 mm (73250761)</td>
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<tr>
<td>MegaPulse Tower 30+ Basic Set</td>
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<td>Flexible Ureterorenoscope 270° Set: 6/8.8 Fr., viewing direction 0°, working channel 3.6 Fr., control lever in a distal direction, angled upward, WL 680 mm (73250761)</td>
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### Kidney Stones IV

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<td>Flexible Ureterorenoscope 270° Set: 6/8.8 Fr., viewing direction 0°, working channel 3.6 Fr., control lever in a distal direction, angled upward, WL 680 mm (73250761)</td>
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<tr>
<td>MegaPulse Tower 30+ Basic Set</td>
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<td>Flexible Ureterorenoscope 270° Set: 6/8.8 Fr., viewing direction 0°, working channel 3.6 Fr., control lever in a distal direction, angled upward, WL 680 mm (73250761)</td>
<td>22860031</td>
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</table>
Technical data

1. Laser type
   Holmium YAG Laser (Ho:YAG)
2. Wavelength
   2100 nm
3. Power
   max. 30 W
4. Pulse energy
   200 mJ – 4000 mJ
5. Pulse frequency
   3 Hz – 25 Hz
6. Pulse duration
   150 – 850 µs
7. Pilot beam
   532 nm
8. Power supply unit
   Desktop: 100 V – 240 V~, 50 / 60 Hz, 16 A
   Tower: 230 V~, 50 / 60 Hz, 10 A
   5 V~, 50 / 60 Hz, 20 A (on request)
9. Dimensions (W x D x H)
   Desktop: 480 x 555 x 350 mm
   Tower: 260 x 840 x 920 mm
10. Weight (ready for use)
    Desktop: 40 kg
    Tower: 90 kg
11. Controls
    Touchscreen
12. Cooling
    Integrated cooling system
13. Pilot beam
14. Operating temperature
    10°C – 30°C

Accessories

Foot switch ........................................ 2030122
Key set ............................................. 2286525
Door contact connector ...................... 2286520
Water filter ...................................... 2286521
Laser safety glasses
(suitable for people wearing glasses) ........ 2286522
Special accessories:
Fiber stripping tool ......................... 2286523
Ceramic scissors
(for breaking the fiber) ...................... 2286524
Surgical handle
(for open surgical interventions) ....... 2286526

Laser fibers, packed singly, sterile:

<table>
<thead>
<tr>
<th>Fiber ø</th>
<th>Single-use product</th>
<th>Reusable product</th>
</tr>
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<tbody>
<tr>
<td>200 µm</td>
<td>487501200</td>
<td>87501200</td>
</tr>
<tr>
<td>272 µm</td>
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Intended Use

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

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Specifications subject to change without notice.