



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

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

Powerful laser system  
for treatment of stones and more

# MEGA *Pulse*

Desktop 30<sup>+</sup>

# MEGA *Pulse*

Tower 30<sup>+</sup>

## 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!

## 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.

## 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)



**Touchscreen and optimum overview**

## 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.

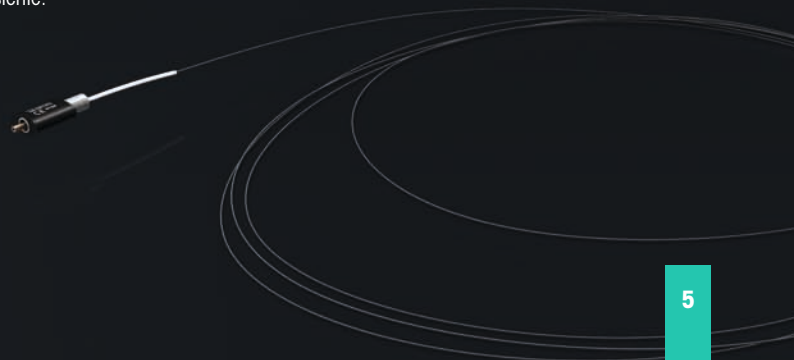
- ❑ **Large, individually adjustable power range**
- ❑ **Green pilot beam with interval adjustment function**  
The adjustable **green** pilot beam facilitates orientation, e. g. during hemorrhage. MegaPulse 30+ also offers you an interval function (flashing). It avoids distracting over-exposure at the 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 fibre diameters as single-use and reusable. Both types are delivered individually packed and sterile.



# Stay cool rather than switch off

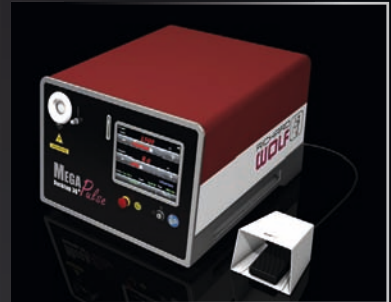
## Superb climate for your treatment

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

### MegaPulse Desktop 30+ Set

#### comprising:

MegaPulse Desktop 30+ (2286001), door-contact plug (2286520), 2 x DI filter (2286521), 1 x laser safety glasses (2286522), laser stripping tool (2286523), ceramic scissors (2286524), key set (2286525) and footswitch (2030122) ..... 22860010

### MegaPulse Tower 30+ Set

#### comprising:

MegaPulse Tower 30+ (2286002), door-contact plug (2286520), 2 x DI filter (2286521), 1 x laser safety glasses (2286522), laser stripping tool (2286523), ceramic scissors (2286524), key set (2286525) and footswitch (2030122) ..... 22860020

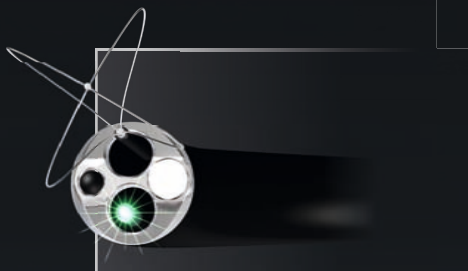
## Application Sets

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

#### MegaPulse Desktop 30+ Basic Set (22860010) + 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) ..... 22860024

### Kidney Stones II

#### MegaPulse Tower 30+ Basic Set (22860020) + 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) ..... 22860025

### Kidney Stones III

#### MegaPulse Desktop 30+ Basic Set (22860010) + 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) ..... 22860026

### Kidney Stones IV

#### MegaPulse Tower 30+ Basic Set (22860020) + 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) ..... 22860027

### Kidney Stones V

#### MegaPulse Desktop 30+ Basic Set (22860010) + Flexible Dual Channel Laser URS Set:

6/9.9 Fr., viewing direction 0°, working channels 2 x 3.3 Fr., **angled downward**, WL 680 mm (73260711) ..... 22860028

### Kidney Stones VI

#### MegaPulse Tower 30+ Basic Set (22860020) + Flexible Dual Channel Laser URS Set:

6/9.9 Fr., viewing direction 0°, working channels 2 x 3.3 Fr., **angled downward**, WL 680 mm (73260711) ..... 22860029

### Kidney Stones VII

#### MegaPulse Desktop 30+ Basic Set (22860010) + Flexible Dual Channel Laser URS Set:

6/9.9 Fr., viewing direction 0°, working channels 2 x 3.3 Fr., **angled upward**, WL 680 mm (73260761) ..... 22860030

### Kidney Stones VIII

#### MegaPulse Tower 30+ Basic Set (22860020) + Flexible Dual Channel Laser URS Set:

6/9.9 Fr., viewing direction 0°, working channels 2 x 3.3 Fr., **angled upward**, WL 680 mm (73260761) ..... 22860031

# MEGA *Pulse*

Desktop 30<sup>+</sup>

# MEGA *Pulse*

Tower 30<sup>+</sup>

## 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:**

Fiber ø	Single-use product	Reusable product
200 µm	487501200	87501200
272 µm	487501272	87501272
365 µm	4875013650	875013650
550 µm	487501550	87501550
800 µm	487501800	87501800
1000 µm	4875011000	875011000

## Intended Use

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

## Technical data

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. Laser type</li> <li>2. Wavelength</li> <li>3. Power</li> <li>4. Pulse energy</li> <li>5. Pulse frequency</li> <li>6. Pulse duration</li> <li>7. Pilot beam</li> <li>8. Power supply unit</li> <li>9. Dimensions (W x D x H)</li> <li>10. Weight (ready for use)</li> <li>11. Controls</li> <li>12. Cooling</li> <li>13. Pilot beam</li> <li>14. Operating temperature</li> </ol> | <p>Holmium YAG Laser (Ho:YAG)</p> <p>2100 nm</p> <p>max. 30 W</p> <p>200 mJ – 4000 mJ</p> <p>3 Hz – 25 Hz</p> <p>150 – 850 µs</p> <p>532 nm</p> <p>Desktop: 100V – 240V~, 50/60Hz, 16A<br/>Tower: 230V~, 50/60Hz, 10A<br/>115V~, 50/60Hz, 20A (on request)</p> <p>Desktop: 480 x 555 x 350 mm<br/>Tower: 260 x 840 x 920 mm</p> <p>Desktop: 40 kg<br/>Tower: 90 kg</p> <p>Touchscreen</p> <p>Integrated cooling system</p> <p>green (532 nm)</p> <p>10 °C – 30 °C</p> |
|--|---|

Specifications subject to change without notice.