

# MULTIPULSE HOPLUS

THE POWERFUL HOLMIUM LASER FOR YOUR  
BPH TREATMENTS & LITHOTRIPSY



- ⊕ HIGH POWER
- ⊕ HIGH REPETITION RATE
- ⊕ WIDE RANGE OF PULSE DURATIONS
- ⊕ INTEGRATED MORCELLATOR
- ⊕ LOW POWER CONSUMPTION

**JENA SURGICAL**  
LASER AT YOUR SIDE

# POWER IN YOUR HANDS

## KEY FEATURES

- High power **HOLMIUM LASER**
- First laser on the market with **100 Hz**
- **Fast Vaporization and Cutting**
- Best hemostasis achievable with holmium laser thanks to **longest pulses on the market**
- Ability to immediately remove the enucleated tissue with the **Integrated Morcellator** (optional)
- Intuitive user interface
- Dual pedals to select the required mode without looking away from the operating field, e.g. for **cutting / coagulation, dusting / fragmentation**

## APPLICATIONS

### SOFT TISSUE TREATMENTS

The MultiPulse HoPLUS **high power holmium laser** is perfectly suited for surgical procedures including **soft tissue** thanks to its possible settings like

- **EPS** (Enhanced Power Setting) for unmatched results during HoLEP treatments
- **Long pulses** up to 1700  $\mu$ s for multiple tissue interactions

The MultiPulse HoPLUS is ideal for **cutting, ablation, coagulation and vaporisation** and can be used for the following procedures: **HoLEP, Urethrotomy, Bladder Neck Incision and Coagulation.**

It reaches a very high power of **150 W**, which is ideal for surgical treatment of benign prostatic hyperplasia.

The optional **MultiCut Integrated Morcellation module** allows for very fast and safe morcellation of enucleated adenoma within the bladder, making the surgery regarding soft tissue especially efficient.

### STONE TREATMENTS (LITHOTRIPSY)

The high repetition rate of **100 Hz** makes the MultiPulse HoPLUS the ideal choice for **lithotripsy**. **All stones** can be treated regardless of their hardness or composition. The MultiPulse HoPLUS enables the full spectrum of stone management techniques, both **dusting and fragmentation.**

#### MultiPulse HoPLUS' strength in lithotripsy:

- **LRE** (Less Retropulsion Effect)

The equipment is capable of delivering energy with a duration of up to 1700  $\mu$ s. per pulse, passing from a mainly mechanical effect to an ablative / dusting effect. As a consequence, this feature also decreases the retropulsion effect, which is particularly useful during treatments involving small diameter fibers (i.e. Upper Urinary Tract Stone Management). Thanks to the availability of a long fiber (4.5m), the MultiPulse HoPLUS is the perfect tool for GI duodenoscopic biliary stone fragmentations.

<b>MultiPulse HoPLUS</b>	
<b>Laser Source</b>	Ho:YAG
<b>Wavelength</b>	2,100 nm
<b>Emission Mode</b>	Pulsed Wave (pw)
<b>Power</b>	up to 150 W (depending on the configuration)
<b>Pulse Energy</b>	0.2 - 6 J
<b>Repetition Rate</b>	Up to 100 Hz
<b>Pulse Duration</b>	150 - 1,700 $\mu$ s
<b>Cooling</b>	Internal water cooling
<b>Control Panel</b>	10.1" LCD display 16:9
<b>Integrated Morcellation Module (Optional)</b>	Integrated auxiliary morcellator Ergonomic handpiece Exchangeable blades
<b>Device Accessories</b>	Bare fibers (reusable and single use) available in following diameters: 200, 272, 365, 400, 550, 600, 800, 1000 $\mu$ m
<b>Electrical Requirements</b>	230 VAC, / 1 $\sim$ / 50/60 Hz, max. 7200 VA (incl. morcellator) 240 VAC, / 1 $\sim$ / 50/60 Hz, max. 7200 VA (no morcellator) 208 VAC, / 1 $\sim$ / 50/60 Hz, max. 6200 VA (no morcellator)
<b>Dimensions and Weight</b>	47 cm x 105 cm x 116 cm (W x D x H) - 285 kg
<b>MultiCut Handpiece</b>	
<b>Rotation Speed</b>	500 – 3000 rpm
<b>Oscillation Frequency</b>	0 or 2 – 5 Hz
<b>Morcellator Blades</b>	Blade 350 mm – 15 Fr x 350 mm (diameter x free length), 65 g Blade 400 mm – 15 Fr x 400 mm (diameter x free length), 75 g
<b>Cable Length</b>	3 m
<b>Sterilization Method</b>	Steam sterilization
<b>Dimensions &amp; Weight</b>	30 x 200 mm (diameter x free length), 330 g (without cable and blade)

# JENA SURGICAL

LASER AT YOUR SIDE

JenaSurgical is the brand of the surgical business unit of Asclepion Laser Technologies. This brochure is not intended for the market of USA.



**DANGER**

VISIBLE AND INVISIBLE LASER RADIATION  
AVOID EYE OR SKIN EXPOSURE TO  
DIRECT OR SCATTERED RADIATION  
CLASS 4 LASER PRODUCT

Treatment laser:	Wavelength	2100 nm
	Power	150 W
	Pulse duration	150-2000 $\mu$ s
Pilot laser:	Wavelength	532 nm
	Power	< 4 mW
	Laser class	3R

Classified: acc. to EN 60825-1: 2014

10100001 00121010

MADE IN GERMANY ALWAYS THE  
LATEST PRODUCT INFORMATION



Asclepion Laser Technologies GmbH  
Brüsseler Str. 10 | 07747 Jena | Germany  
[www.jenasurgical.com](http://www.jenasurgical.com)