

# MULTIPULSE HOPLUS

THE POWERFUL HOLMIUM  
LASER FOR BPH TREATMENTS  
& LITHOTRIPSY

- ⊕ High power & frequency
- ⊕ Wide range of pulse durations
- ⊕ Integrated morcellator
- ⊕ Less power consumption & low-noise system



# THE ALL-IN-ONE SOLUTION

## KEY FEATURES

High power **HOLMIUM LASER**

### Fast Ablation and Cutting

Hemostatic effect achievable:  
with holmium laser thanks to **longest pulses on the market**

### Low-noise system & less power consumption

Ability to immediately remove the enucleated tissue:  
with the Integrated Morcellator (optional)

### Two-pedal footswitch:

to select between cutting and coagulation without looking away from the operation field

**Intuitive** user interface

## STONE TREATMENTS (LITHOTRIPSY)

The high repetition rate of up to **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. As a consequence, this feature 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 a suitable tool for GI duodenoscopic biliary stone fragmentations.



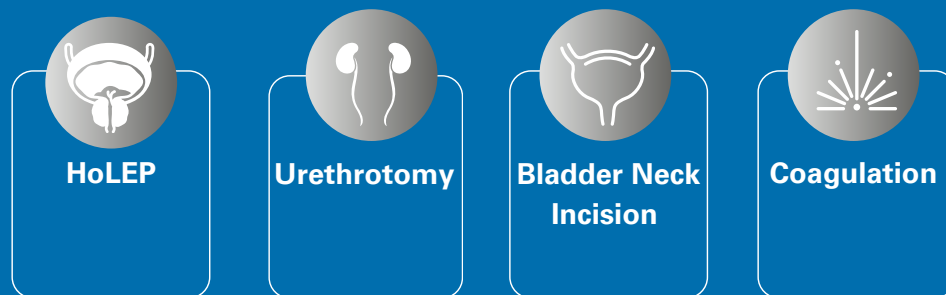
## APPLICATIONS

### 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 1,700  $\mu$ s for multiple tissue interactions

The MultiPulse HoPLUS is ideal for cutting, ablation, coagulation.  
And can be used for the following procedures:



The MultiPulse HoPLUS provides high pulse energy as well as high frequency settings, which are both 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.



## MultiPulse HoPLUS - Specifications

Laser Source	Ho:YAG
Wavelength	2,100 nm
Emission Mode	Pulsed Wave (pw)
Power	up to 150 W (depending on the configuration)
Pulse Energy	0.2 - 6 J
Repetition Rate	Up to 100 Hz
Pulse Duration	150 - 1,700 µs
Cooling	Internal water cooling
Control Panel	12.0" LCD display 16:10
Integrated Morcellation Module (Optional)	Integrated auxiliary morcellator   Ergonomic handpiece   Exchangeable blades
Device Accessories	Bare fibers (reusable and single use) available in following diameters: 200, 272, 365, 400, 550, 600, 800, 1000 µm
Electrical Requirements	230 VAC / 1~ / 50/60 Hz   240 VAC / 1~ / 50/60 Hz   208 VAC / 1~ / 50/60 Hz
Dimensions and Weight	47 cm x 105 cm x 116 cm (W x D x H) - 285 kg

MP HOPLUS 003 1024 EN

## MultiCut Handpiece - Specifications

Rotation Speed	500 – 3,000 rpm
Oscillation Frequency	0 or 2 – 5 Hz
Morcellator Blades	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
Cable Length	3 m
Sterilization Method	Steam sterilization
Dimensions and Weight	30 x 200 mm (diameter x free length), 330 g (without cable & blade)

Specifications are subject to change without notice.



DEVICE CERTIFIED ACCORDING TO  
MEDICAL DEVICE DIRECTIVE 93/42/EEC



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LATEST PRODUCT  
INFORMATION



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