

SMART SELECTION OF SETTINGS

As world leaders in the field of Holmium lithotripsy, we know how often inexperienced surgeons are in need of some suggestions regarding device settings to start the treatments with. Quanta System further understands the importance of having user-friendly systems in order to achieve satisfactory and fast treatments.

The S<sup>3</sup>-Mode (Smart Selection of Settings) was born as guided modality to enhance user experience and to make Cyber Ho the best laser solution regardless of your experience with Holmium laser.

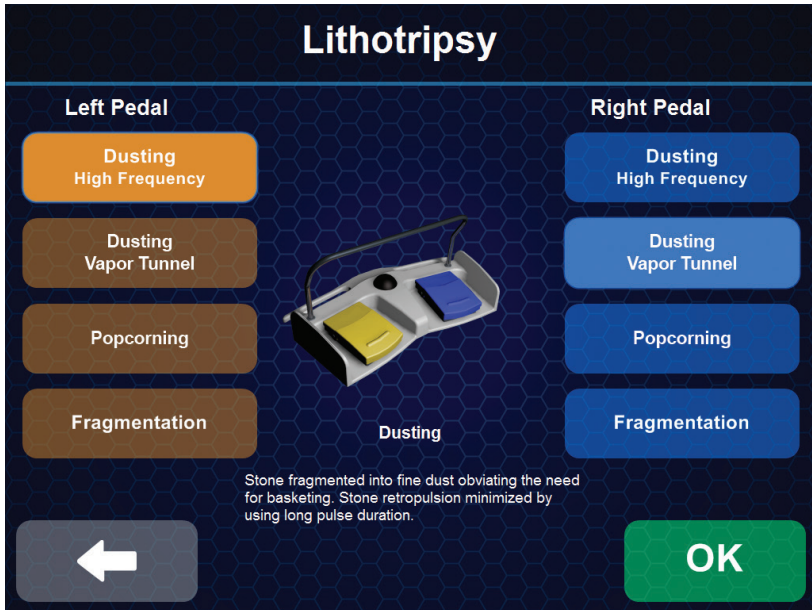


ARE YOU ALREADY EXPERIENCED IN HOLMIUM LASER?

Skip the guided selection and start immediately the treatment by choosing the manual settings.

HAVE YOU FOUND YOUR FAVORITE EMISSION SETTINGS?

Save them for reuse in future treatments, the system allows to save unlimited customized user presets.



WHAT CYBER HO OFFERS:

- Setting of different emissions on the two pedals
- Specific application setting
- Description of the treatment and suggestions about its use

TECHNICAL SPECIFICATIONS

Wavelength	2.1 µm
Average Power	up to 60 W
Repetition rate	up to 60 Hz
Energy per pulse	up to 5 J
Pulse duration	50-1100 µs
Beam delivery	Wide range of flexible silica fibers
Aiming beam	532 nm (adjustable <5 mW) - Class 3R
Fiber recognition	RFID System
Activation	Double footswitch
Electrical requirements	200-230 Vac; 50/60 Hz; <30A, single phase
Cooling	Internal chiller
Operating temperature	10°C - 30°C
Laser Class	4 (IEC/EN 60825-1:2014)
Dimensions	52 cm (W) x 120 cm (D) x 123 cm (H) (monitor closed)
Weight	200 kg

**VISIBLE AND INVISIBLE LASER RADIATION**  
Avoid eye skin exposure to direct or scattered radiation  
Laser product: Class 4  
Aiming beam: Class 3R



*Note: National local authorities may put restrictions to the parameters indicated in the above table, or may limit or remove certain intended uses. Specifications are subject to change without notice.*

Quanta System products are manufactured according to the International standards and have been cleared by the most important International notified bodies. The Company is EN ISO 9001:2008 and EN ISO 13485:2012 certified. Quanta System S.p.A. was founded in 1985 and belongs to the EI. En. Group (a public company listed in the Star segment of the Italian Stock Exchange) since January 2004. The company, divided into three business units (medical, scientific and industrial) is specialized in manufacturing of laser and opto-electronic devices.



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QTS-CYBERHO-ver000-ROT/W



Taking care of people, our masterpieces

Cyber Ho

High Power Holmium  
Surgical Laser System



This brochure is not intended for the U.S. market.  
Certain Intended Uses/Configurations/Models/Accessories are not cleared for U.S.

Surgery





# CYBER Ho 60

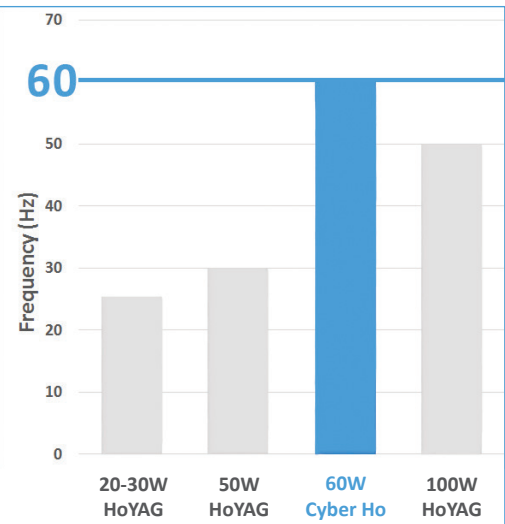
## THE REVOLUTION IN LITHOTRIPSY

After the success of its Litho device, Quanta System proudly widens its offer in lithotripsy for the most demanding customers with its first-class 60W Holmium solution, **Cyber Ho**, further entering the HoLEP world.

**Cyber Ho** meets the increasing demand in matching efficacy, flexibility and cost-effectiveness combining all of these in a **unique multi-application laser platform able to perform both lithotripsy and HoLEP**.

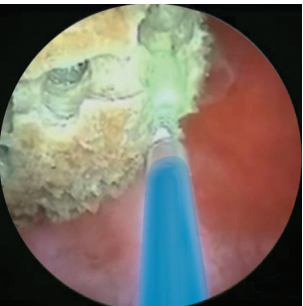
**Cyber Ho** brings outstanding innovation by offering the exclusive **MasterPULSE** technology for **retropulsion control**, plus energy and frequency (**up to 60Hz**) settings generally out of range for other laser devices. These groundbreaking advantages merge with the superior quality and reliability the Quanta System brand is renowned of worldwide.

If you are mostly interested in stone treatment and in having the best lithotripsy settings and features without the cost associated with a 100W Holmium system, Cyber Ho is, for sure, the laser you are looking for.



Cyber Ho outclasses the other Holmium devices in terms of frequency. Greater frequency results in enhanced dusting lithotripsy out of range for even more expensive Holmium systems.

## THE LASER YOU HAVE BEEN WAITING FOR



Lithotripsy

Upon the increasing demand for a high frequency Holmium system with a reasonable price, Quanta System raised the bar by offering a generous 60 Hz frequency with its new Cyber Ho. Users can now achieve the dusting effect in two ways:

- **Dusting - Long Pulse:** the vapor tunnel generated by long pulses allows efficient stone ablation.
- **Dusting - High Frequency:** energy is released in smaller amounts with a high repetition (40-60 Hz).

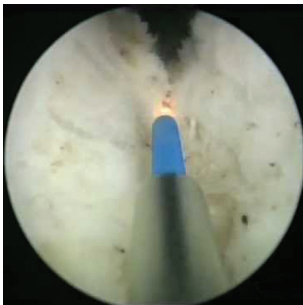
Cyber Ho outclasses the other 50-100W Holmium systems in terms of settings for stone treatment. In short, **Cyber Ho offers greater settings and enhanced versatility with respect to Holmium devices with similar or even higher power for a smarter expense.**

## WELCOME HoLEP

HoLEP (Holmium laser enucleation of the prostate) has almost replaced TURP in BPH treatment. Strong clinical evidences and long-term investigations demonstrated the reliability, safety and effectiveness of HoLEP.

The 60W output is your perfect ally to complete a gentle and fast adenoma enucleation in any size of prostate.

Thanks to its superior frequency and double footswitch, HoLEP with Cyber Ho provides excellent results in terms of long-term effectiveness, safety, hemostasis and fast recovery.



HoLEP

### RETROPULSION CONTROL

The MasterPULSE technology revolutionizes the concept of lithotripsy by granting complete control over stone retropulsion, avoiding the bothersome and time-consuming fetching of targeted fragments. Advanced lithotripsy with the Vapor Tunnel mode.

### ALL-AROUND DUSTING

Choose the traditional Long Pulse Dusting or take advantage of Cyber Ho's impressive 60Hz frequency to perform a High Frequency Dusting lithotripsy.

### SMART SELECTION OF SETTINGS

Not acquainted with Holmium lithotripsy and its settings? Quanta System knows your concern about using wrong or ineffective parameters and can guide you to a safe and correct emission adjustment.

### COMPLETE LASER SOLUTION

Cyber Ho was designed for those struggling with finding a system able to perform effectively both BPH and stone treatments, with also excellent results in treating urinary carcinomas and strictures.

### STRIVE FOR GREATNESS

Avail yourself with larger parameter ranges in terms of frequency and pulse energy, widening your choice of treatment and tailoring the procedure to patient needs.

### FLEXIBILITY AT ITS GREATEST

Thanks to the double footswitch, you can switch instantaneously from a 60W cutting emission to the coagulation mode, or from dusting to traditional fragmentation.

*Dreaming about adjusting settings simply based on your visual feedback?*

*Ever felt the device not to match your expectations regarding settings regulation?*

Innovation by Quanta System:  
**MasterPULSE** technology

7 steps to fine-tune your emission!  
**Emission adjustment has never been so easy!**



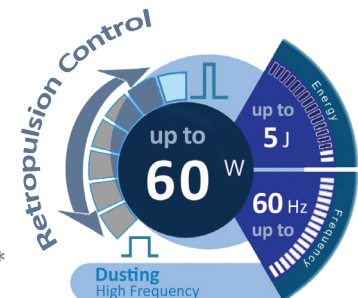
## RETROPULSION CONTROL

Enough with struggling in finding a good parameter combination to avoid stone instability and renouncing to have both effectiveness and ease of treatment!

**Cyber Ho is the ONLY laser device providing complete control over stone retropulsion.** Simply regulating the intuitive retropulsion bar, the user can quickly tune laser emission according to his visual feedback. This exclusive feature cuts down treatment time and simplifies setting adjustment, enhancing treatment effectiveness.

### Lithotripsy MODES:

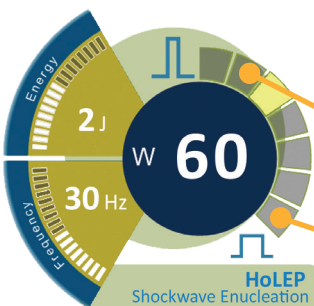
- Fragmentation
- Popcorning
- Dusting
  - High Frequency
  - Long Pulse - Vapor Tunnel\*



Example of Lithotripsy mode

#### \*Vapor-Tunnel Mode

Specific high-energy long pulses develop a vapor bubble connecting fiber tip to stone surface (vaporization of water in between). Once the bubble reaches the stone, ablation occurs by direct transmission of laser energy. As the bubble has not collapsed in the meantime, retropulsion is prevented.



Example of HoLEP mode

#### BPH - Soft Tissues:

- Shockwave Dissection
- Precise Laser Cutting

