

# BORN FOR ULTIMATE FLEXIBLE ENDOSCOPE STONES MANAGEMENT

SUPERIOR FRAGMENTATION AND DUSTING EFFICIENCY.



## China Care Medical Equipment Co.,Ltd

Room B101, ZhongBang Business Building,  
PuXing Road No. 87, Tianhe, Guangzhou, China

+86 139 2648 0041

info@chinacaremedical.com

www.chinacaremedical.com

## THE PORTABLE XP SERIES

*Surgical Holmium Laser System*



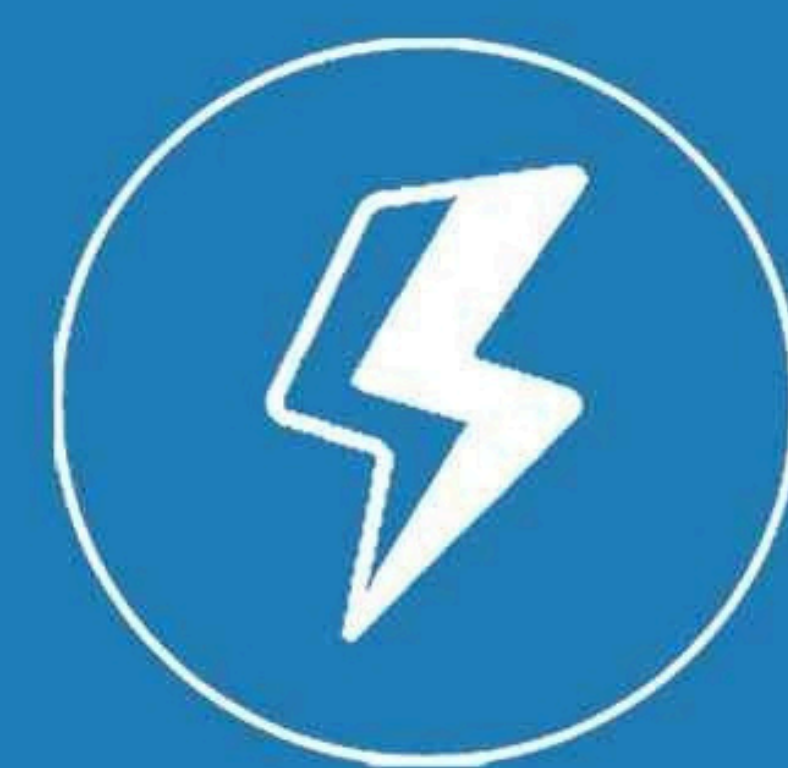
## COMPACT SIZE IMPRESSIVELY POWERFUL

- 1000+ installations worldwide
- 60+ countries where installed
- 800+ doctors trained at our reference centers



### HIGH POWER

Up to **40 Watts**  
High Peak Power  
Excellent performance  
in any stones management



### HIGH PULSE ENERGY

Up to **6 J**  
Great fragmentation,  
even for the hardest stones



### HIGH FREQUENCY

Up to **30 Hz**  
For fast low energy ablation,  
amazing stone dusting



### LARGE PULSE WIDTHRANGE

Up to **1500  $\mu$ s**  
Superior  
Dusting/Popcorn/Fragmentation  
lithotripsy mode available



### NOT ONLY FLEXIBILITY BUT ALSO POWERFUL

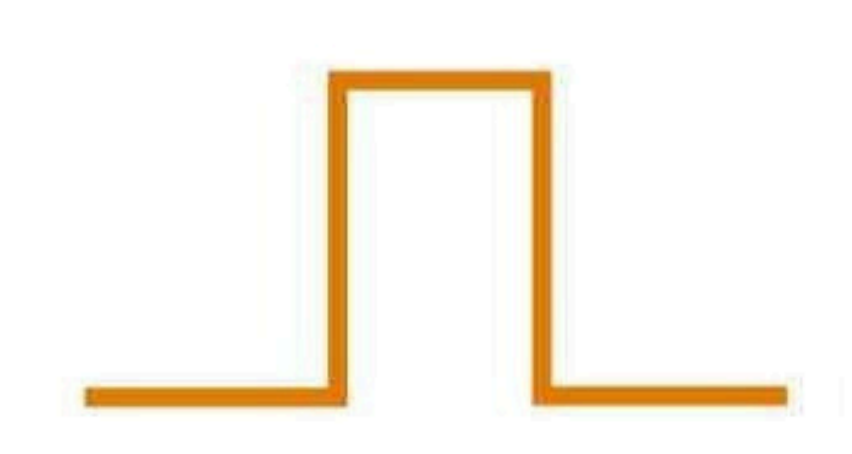
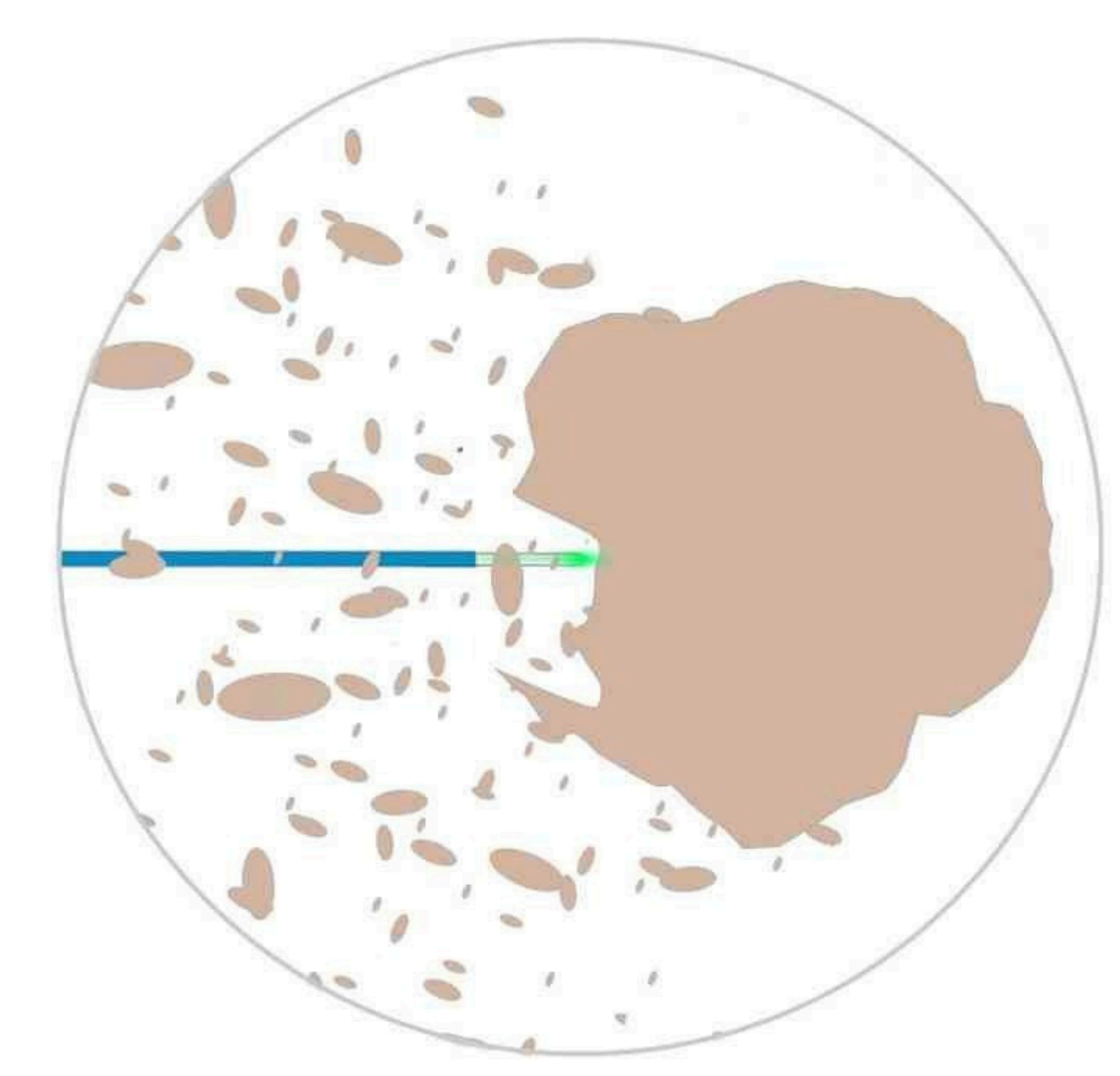
High power also even with small  
fibers, Perfectly for flexible  
endoscope surgery



## EXPERTS IN FLEXIBLE SCOPE STONES MANAGEMENT

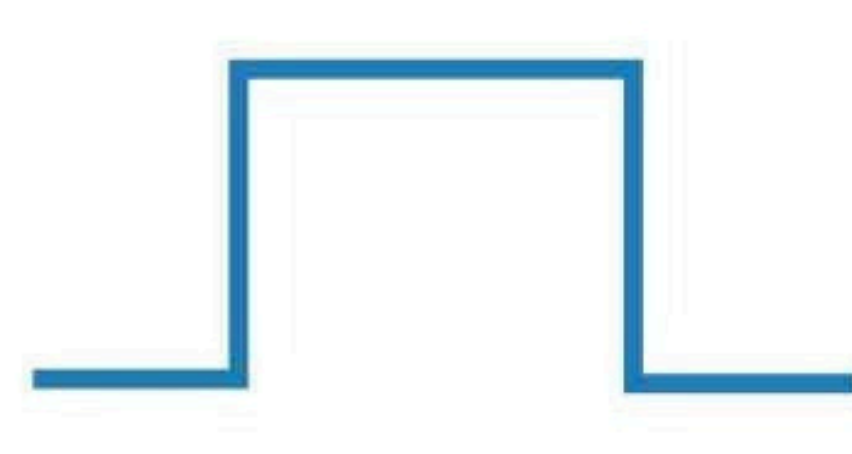
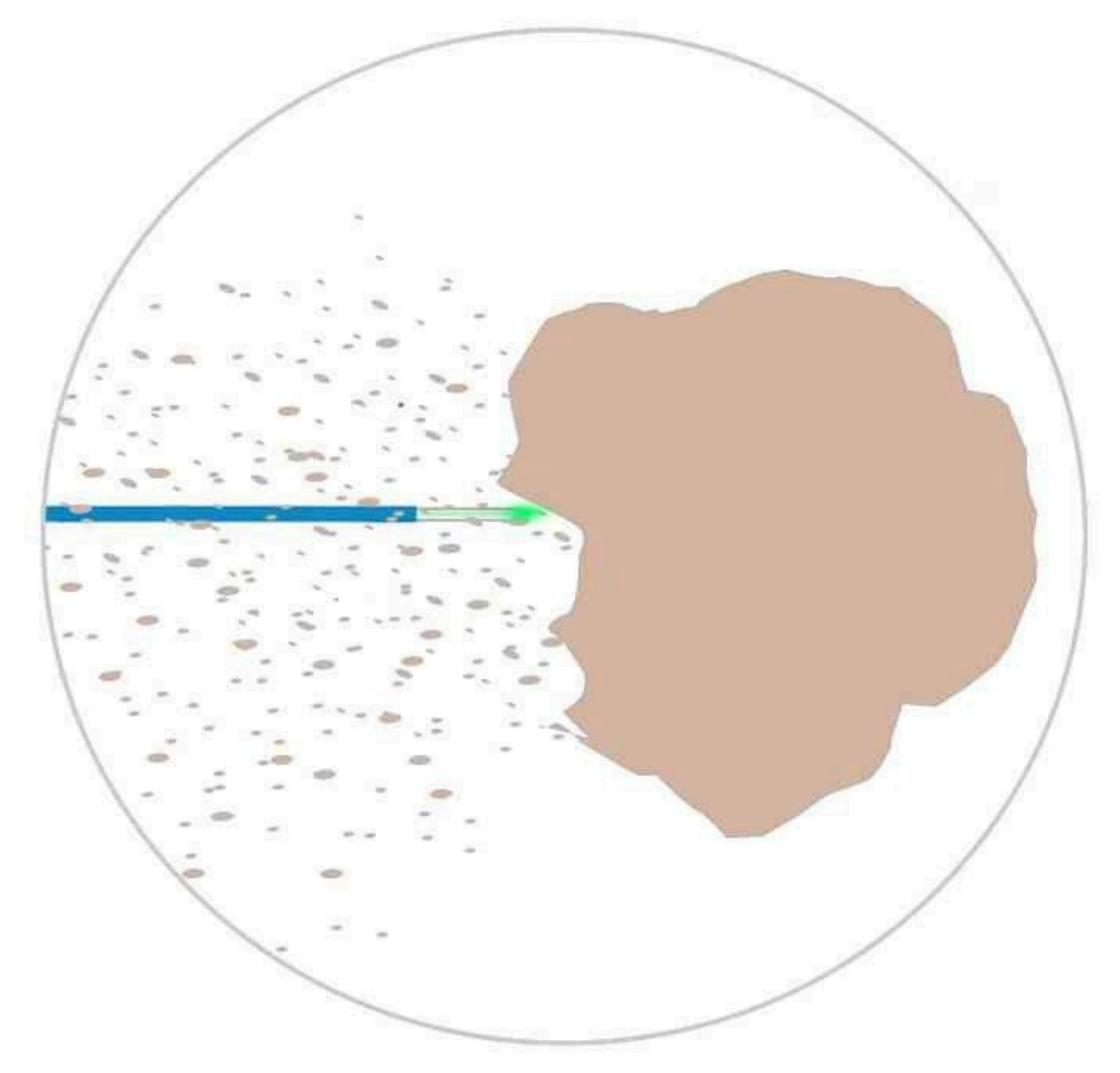
Desktop size | Large energy | high frequency |  
 Less stone retropulsion for greater control  
 High efficiency of stones management

Shorter operation times with faster and finer dusting  
 More effective dusting with high frequency and better clearance and suction possibilities.



### SHORT PULSE WIDTH

Larger, more concentrated pulse energy can smash tougher A hard stone with a fragmented effect.



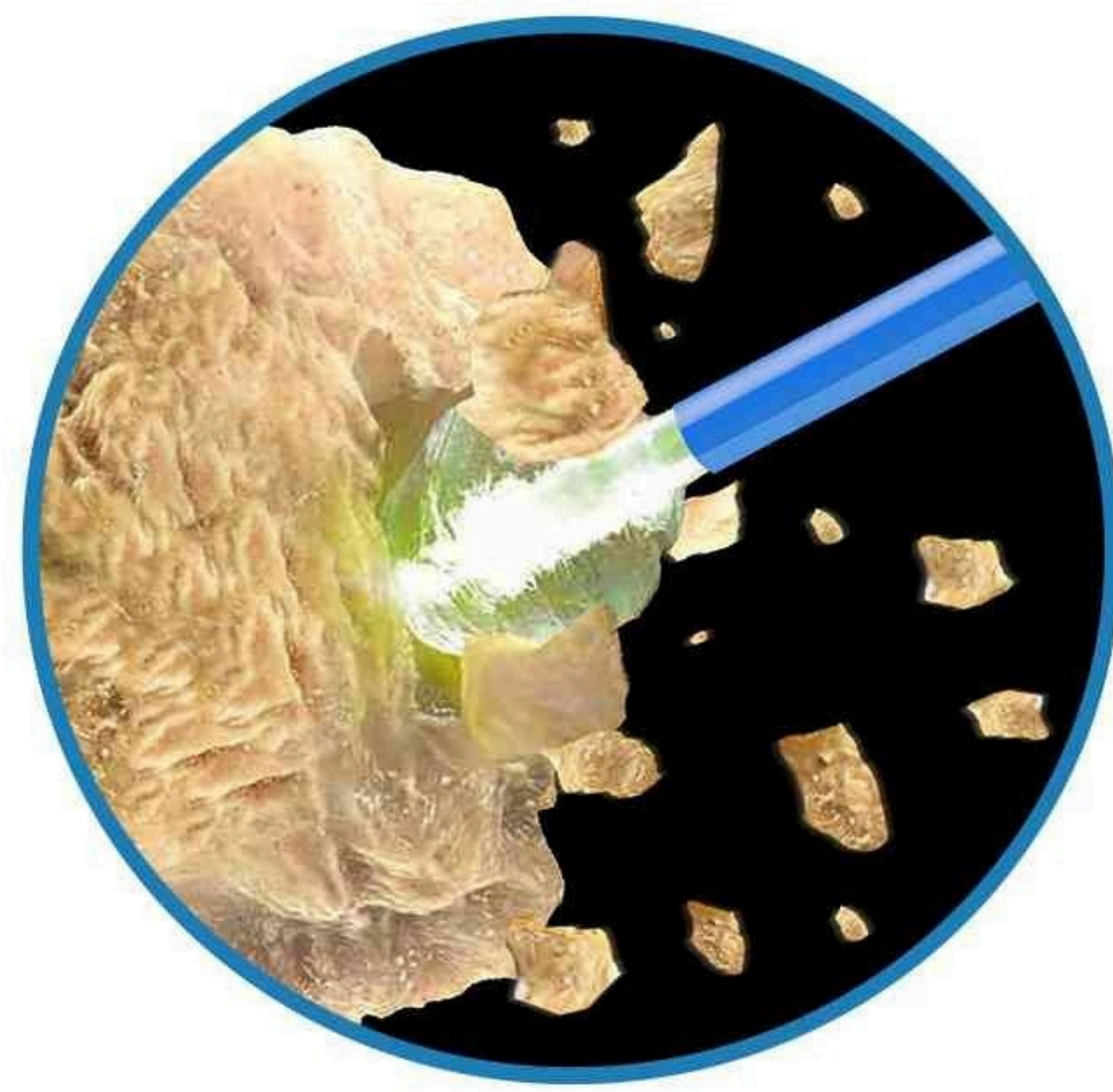
### LONG PULSE WIDTH

Wider, more sustained pulse energy for smooth ablation stone, to obtain a great dusting effect.



# ONE SOLUTION FOR ALL STONES MANAGEMENT

3 different modalities for stones management: FRAGMENTATION, POPCORNING AND DUSTING all available at any time during the procedure. Automatically and intelligently give safe and effective parameters for different stones treatment, getting you going quickly. Get to treating in a minimal amount of steps.



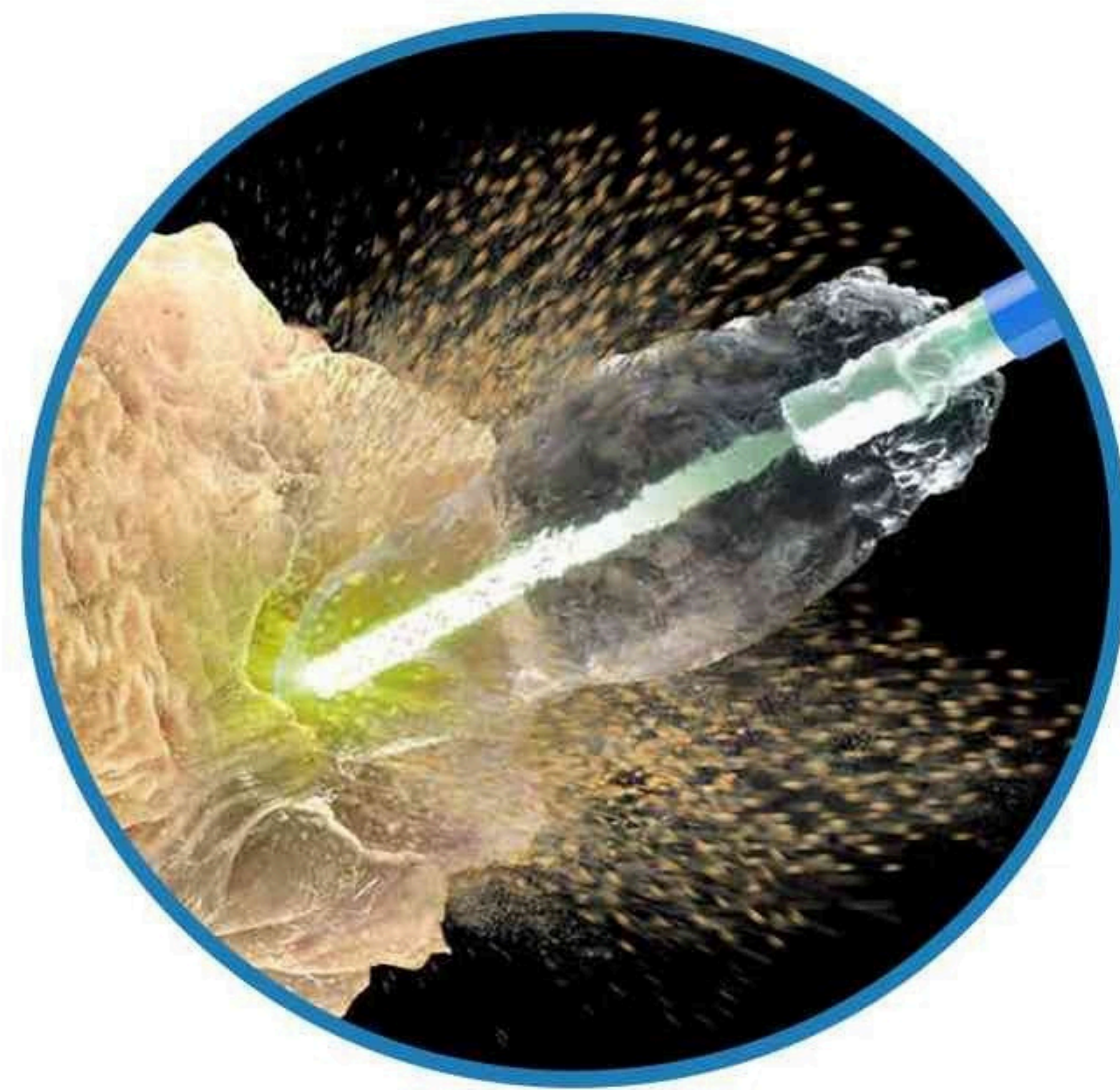
## FRAGMENTATION MODE

Significantly optimize crushing performance:  
Quickly optimize the pulse scheme to make energy transmission more precise and efficient.



## POPCORNING MODE

Improve stone crushing efficiency:  
Significantly increase the volume of stone ablation and improve the overall lithotripsy efficiency  
Reduce surgery time.



## DUSTING MODE

Increase effective energy:  
Maximize energy transfer and achieve extremely fast powdering of crushed stone.

Portable XP Holmium system provides super wide combinations of frequency, energy, power, pulse duration allow the urologist to effectively deal with any size, hardness, composition of stones treatment.

- Even dealing with continuous high-intensity and high-frequency stone surgery cases, the system can be quietly beside, providing stable and continuous high-efficiency performance.
- The pulse width, frequency and energy of each mode are automatically and intelligently preset. Corresponding to the most effective parameters, all you need to do is one-click, no adjustment required.

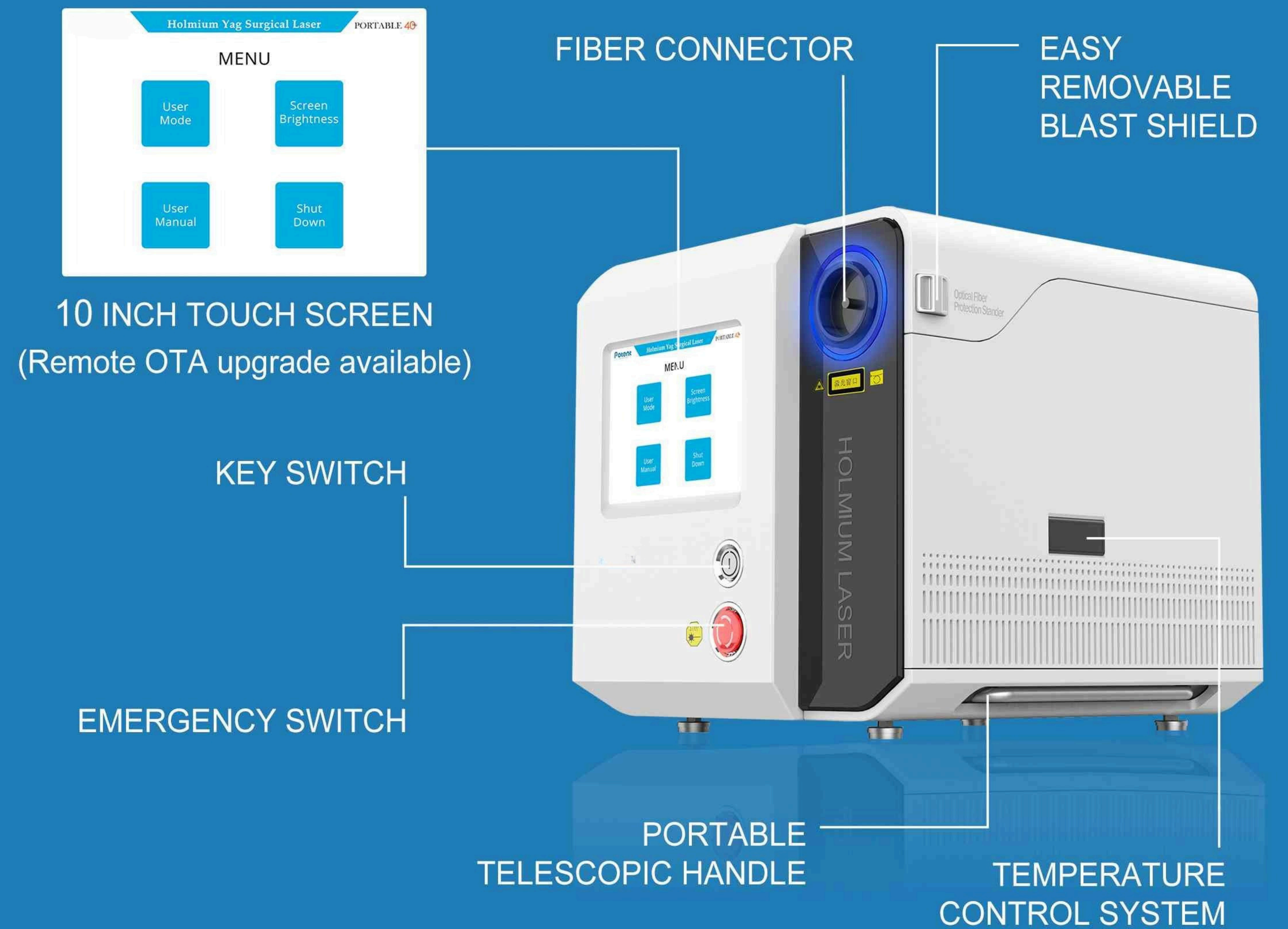
## FEATURES

- Easy to use, 110V to 220V with 10A or 16A are all available, no need for additional wiring;
- Even with 200 $\mu$ m or smaller fiber, high frequency, high energy, high power are still available;
- 10 inch touch screen, intuitive and convenient operation; OTA upgrade available;



- Light weight, small size, easy to move(with handle);
- New APFC technology, higher excitation frequency, reduce surgery time;
- Automatically and intelligently preset modes for surgery. One click, then everything is ready for surgery;

# OVERVIEW



## XP PORTABLE SERIES

- Effective Lithotripsy
- Reduced Depth Of Penetration
- High Versatility
- Soft Tissue Surgery
- Compact And Light Design
- Quick ROI
- Bile Duct, Gallbladder Hepatolithiasis Stones
- Urological Stones (Bladder, Kidney, Ureter etc.)

## 40 WATTS HOLMIUM:YAG FOR LITHOTRIPSY

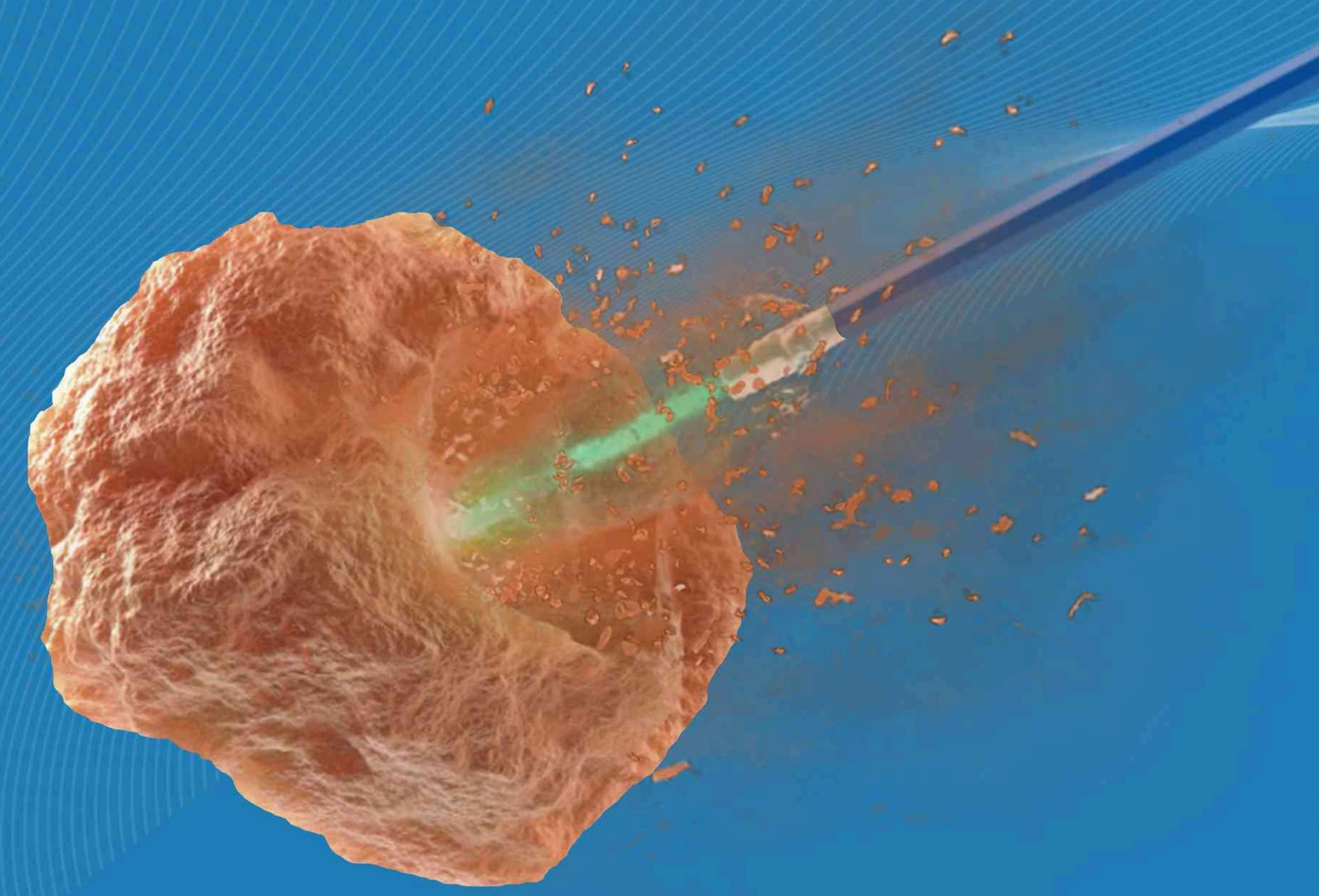
XP series surgical laser is a desktop device based on Holmium (Ho:YAG) laser with emission at 2100 nm wavelength. This wavelength is highly absorbed by water and biological tissue providing excellent cutting, ablation and hemostatic properties. The limited radiation penetration (0.3 - 0.4 mm) results in minimal damages to surrounding tissue. XP series surgical laser automatically adjusts the emission settings based on fiber diameter and selected mode.

## TECHNICAL DATA

Output (max.)	30 WATTS	40 WATTS
Pulse frequency	25Hz	30Hz
Pulse energy	0.1-4.0J	0.1-6.0J
Laser type	Holmium laser (Ho:YAG)	
Wavelength	2.1µm	
Pulse duration	50-1500µs(Long,Medium and Short pulse modes)	
Aiming beam,green	532nm,<1mW,can be fine-tuned	
Cooling system	Internal cooling system	
Fidlers	Reusable 200µm,276µm,365µm,550µm,800µm,1000µm	
Main supply	AC 110V+10% OR 220V±22V/50Hz±1Hz AVAILABLE	

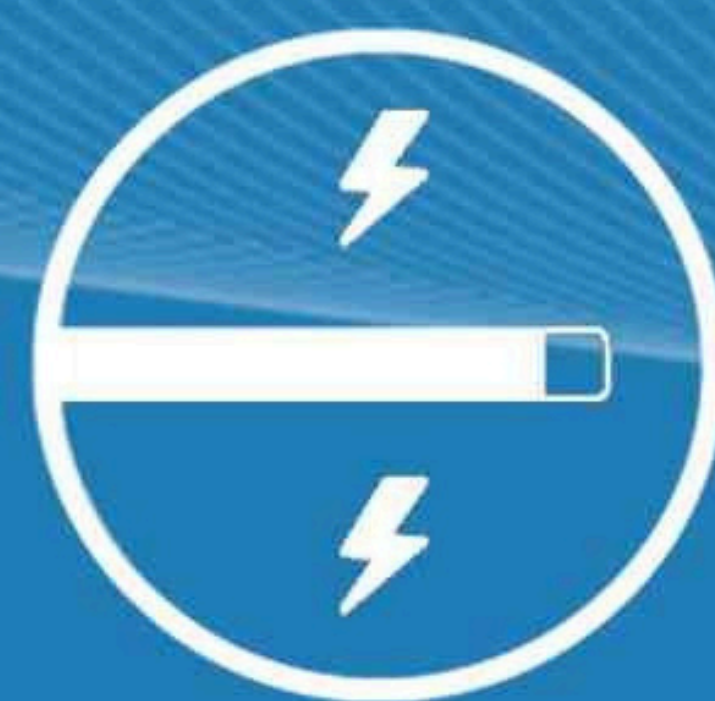
# LASER FIBERS

Holmium Laser System can be operated with a large range of fibers, depending on the application, flexibility and settings required.



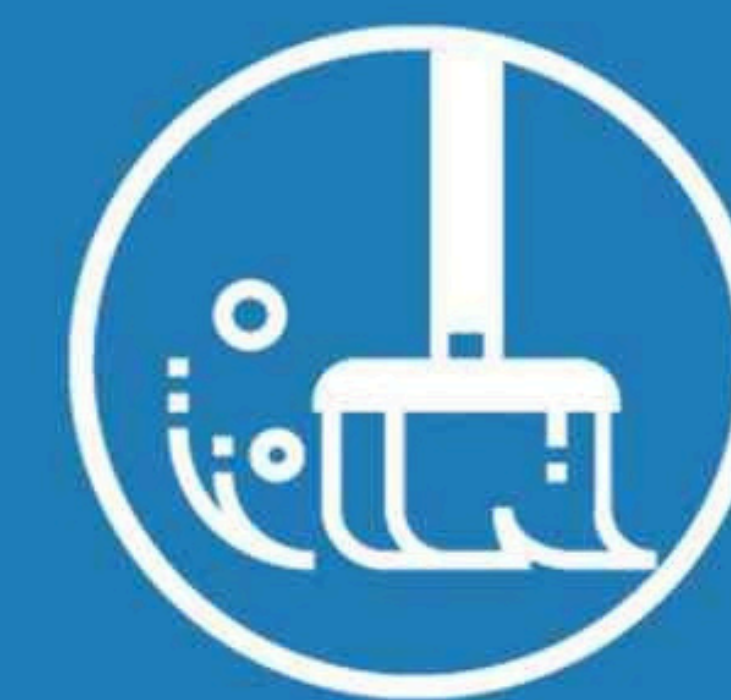
## STANDARD FIBERS

For general use in stone and soft tissue treatments



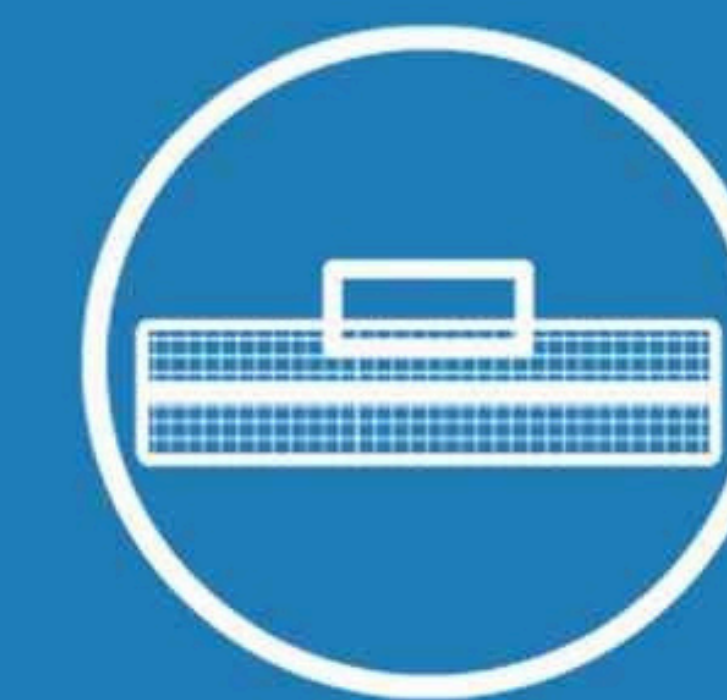
## PERFORMANCE FIBERS

Designed to deliver great power even with small fibers



## CLEANING

Reusable fibers can be sterilized by Sterrad and steam sterilization



## STERILIZATION TRAY

A dedicated tray for sterilizing reusable fibers and surgical tools



## BALL TIP FIBERS

Strongly simplify the insertion in already bent scopes



## ULTRA-FLEXIBLE FIBER

200µm fiber is suitable for any flexible scope bending angle; High transmission power, greatly improving the surgery efficiency;



## AVAILABLE DIAMETERS

200, 276, 365, 550, 800, and 1000 µm, even smaller size



## REUSABILITY

ALL fibers are available both as disposable and reusable (except ball-tip and side fibers)