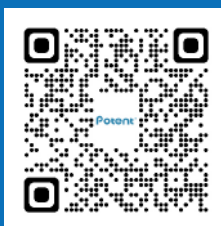




Potent®



GUANGZHOU POTENT MEDICAL EQUIPMENT JOINT-STOCK CO., LTD.

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Potent® 普东医疗



**SURGICAL
HOLMIUM LASER**
THE HP SERIES

MOST POWERFUL

HOLMIUM LASER EVER MORE THAN UROLOGY



CERTIFICATES



IEC60601



National High-tech Enterprise



National Key Products



Leading Patents-1



Leading Patents-2



Leading Patents-3



Leading Patents-4



ISO13485



CE



CFDA



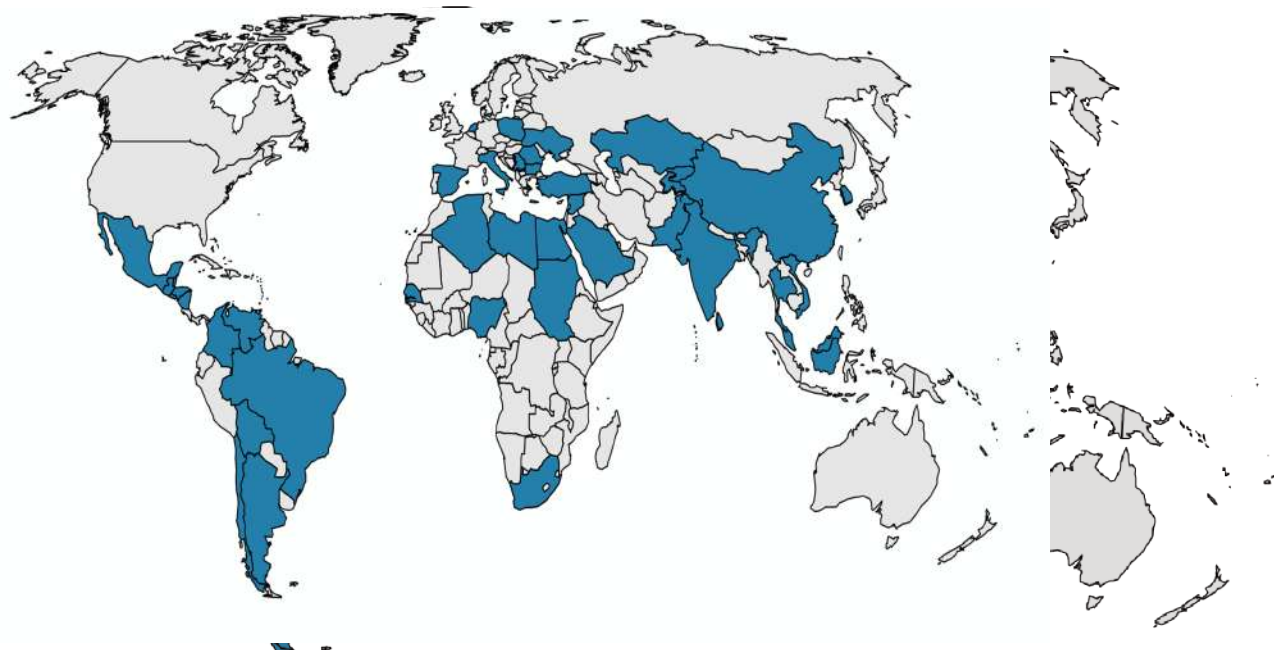
FSC





ABOUT POTENT

Potent Medical Equipment Joint-Stock Co.,Ltd.is located on 5th Floor,C2 Building,NO.11, Kaiyuan Road, Science City,High-tech Industrial Development District, Guangzhou, China, specializing in the R&D, manufacturing and marketing of Medical laser therapeutic apparatus, Patient lift system and Optoelectronic medical Equipments,The self-developed "Holmium Laser System" ranks in leading edge in the Chinese market occupancy,been stably supplied to over 45 countries for over 15 years.Also,Potent has been manufacturing and marketing "Patient Lift System"over 5000 units in the domestic market and globel market every year,and the"Diode Laser Therapeutic Apparatus",also show its leading status in the domestic market.



America

Brazil,Argentina,Mexico,Bolivia,Chile Colombia,Salvador,Ecuador,Peru Guatemala etc.

Europe

Spain,France,Russia,Ireland,Ukraine, Denmark,Netherland,Poland,Romania, Bulgaria,Albania,Armenia,Moldova etc.

Africa

South Africa,Nigeria,Sudan,Ethiopia Kenya,Tanzania,Senegal,Côte d'Ivoire Zambia etc.

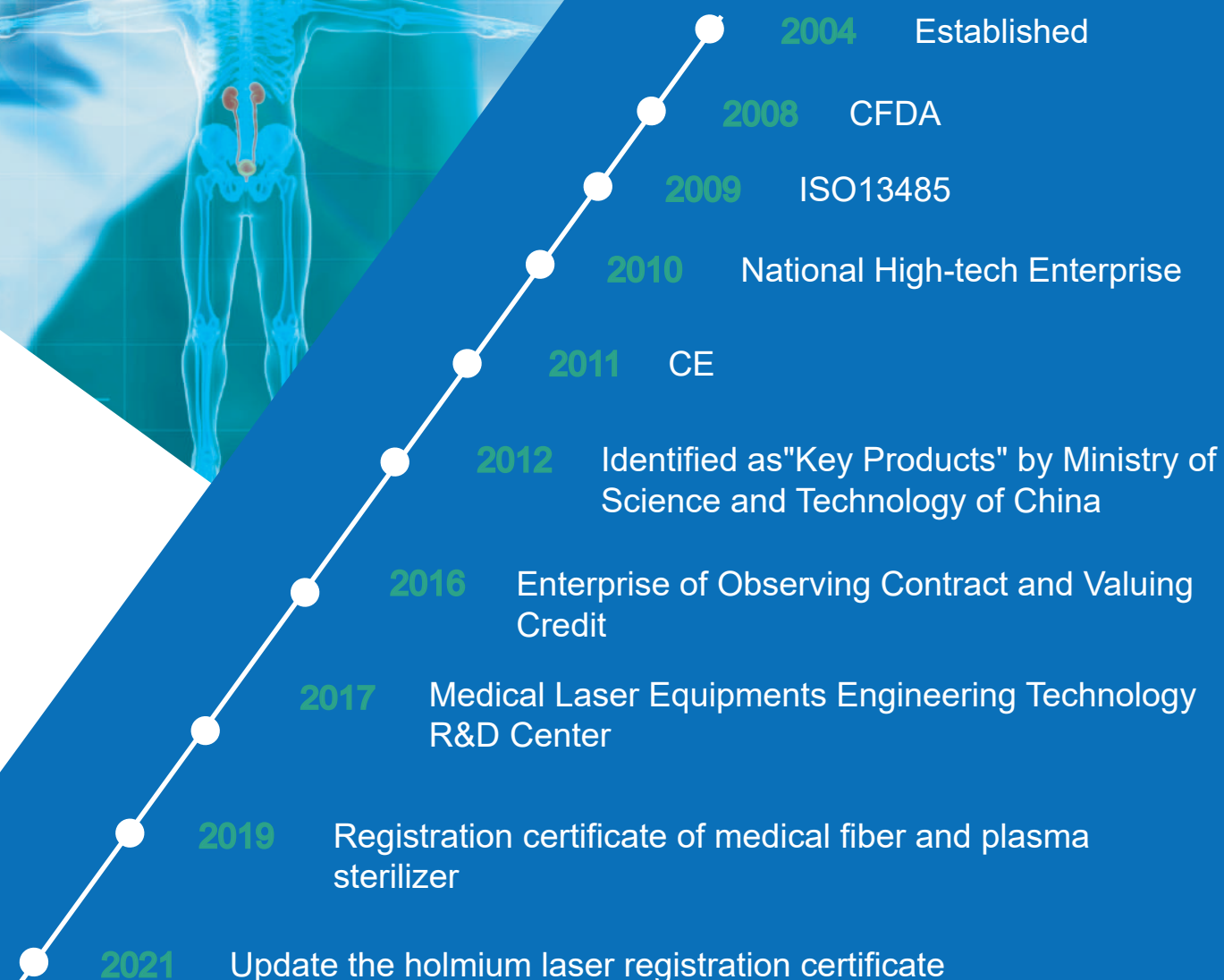
Asia

China,Japan,India,Korea,Singapore,Malaysia, Vietnam,Indonesia,Philippines,Thailand,Pakistan,Uzbekistan,Nepal,Tajikistan,Kazakhstan,Ba

The Middle East

Turkey,United Arab Emirates,Saudi Arabia,Qatar, Yemen,Iraq,Bahrain,Jordan,Syria,Iran,Egypt,

Development History



- National New Key Products
- National High-tech Enterprise
- Approved by CFDA,ISO13485 and CE
- Innovation Fund of Guangzhou Science Bureau
- Innovation Fund of Ministry of Science and Technology
- Member of the Guangdong Association of Medical Apparatus
- Combination of Producing R&D Project of Ministry of Education of Guangdong Province

Potent® 普东医疗



+ THE HP SERIES +

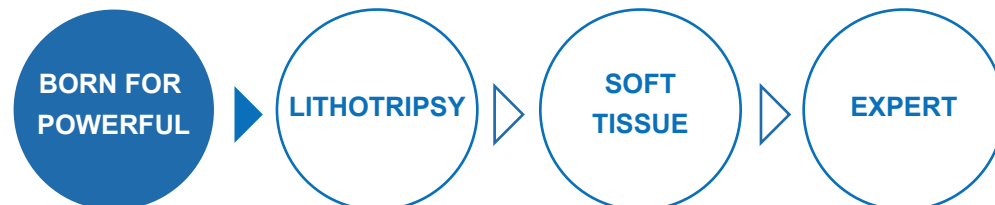


HIGH
POWER



The Potent Medical HP Series holmium laser system is the ideal solution for stone and BPH treatment in urology as well as other interventions across a range of specialties:

UROLOGY	DERMATOLOGY
GYNECOLOGY	GENERAL SURGERY
ORAL SURGERY	VASCULAR SURGERY
ARTHROSCOPY	THORACIC SURGERY
GASTROENTEROLOGY	ORTHOPEDICS
ENT	PLASTIC SURGERY
	ETC.



Intuitive and convenient handling allows the user to easily navigate between different clinically-tested modes.



THE HP SERIES

Spine

Minimally invasive spine surgery (MISS)
Foraminoplasty
Discectomy
PLDD

ENT

Endonasal surgery
Larynx surgery
Ablation of nasal and laryngeal polyps

Spine

Stenosis of the nose is treated by trimming of turbinates and the nasal septum. Nasal and laryngeal polyps can easily be removed. All of these procedures can be performed as outpatient treatments. Due to the narrow zone of necrosis, postoperative pain is significantly

Spinal Surgery

The Potent HP Series Holmium laser offers a variety of treatment options for cervical and lower back pain patients. The Potent HP Series Holmium laser ablates soft tissue such as disk material and hard tissue such as bone and osteophytes in Laser Foraminoplasty. In Laser Discectomy it removes residual nucleus pulposus material in preparation for stabilisations and



Urology

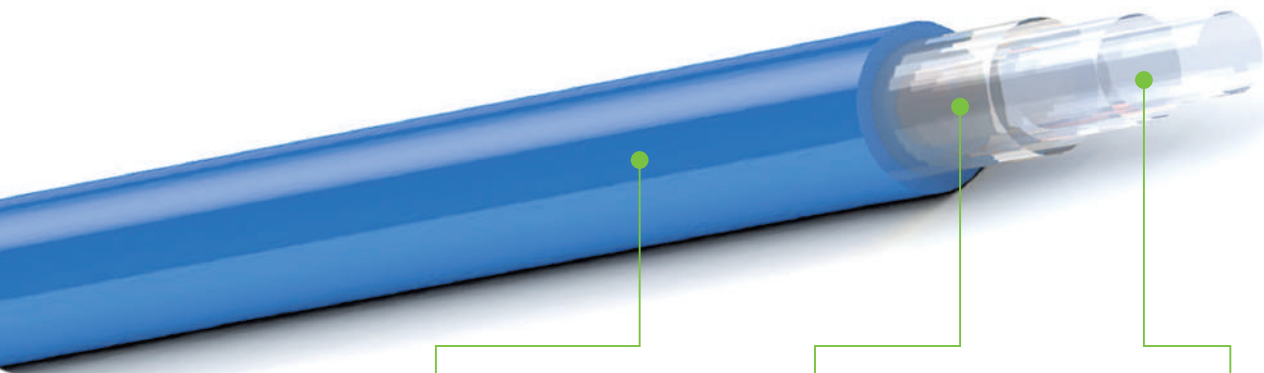
Laser Lithotripsy
Treatment of BPH/Prostate
Opening of Strictures
Treatment of Bladder Tumours
Bladder Neck Incisions

Calculi in the bladder, ureter or kidney are fragmented by rapid evaporation of residual water inside the stone upon absorption of the laser radiation. At the long pulse setting the Potent HP Series Holmium laser does not apply external kinetic force, thus preventing the calculi from being pushed





Customers visit the company



JACKET

Helps in recognizing fiber position and improves

CLADDING

Maintains radiation energy within the core

FIBER CORE

Delivers full energy to the target

Potent Holmium Laser System can be operated with a large range of fibers, depending on the application, flexibility



STANDARD FIBERS

For general use in stone and soft tissue treatments



PERFORMANCE FIBERS

Designed to deliver great power even with small



BALL TIP FIBERS

Strongly simplify the insertion in already bent



GASTRO FIBERS

Specifically designed for the fragmentation of



Technical Data

Wavelength / spectral range	Optran ® UV: 190 – 1200 nm , Optran ® WF: 300 – 2400 nm
Holmium laser fiber	200µm,275µm,365µm,550µm,800µm,1000µm
Numerical aperture (NA)	0,12 ± 0,02 0,22 ± 0,02 0,28 ± 0,02 or customised
Operating temperature	-190° to +350°C
Core diameter	Available from 25 µm to 2000 µm
Standard core / cladding ratios	1 : 1,04 1 : 1,06 1 : 1,1 1 : 1,15 1 : 1,2 1 : 1,25 1 : 1,4 or customised
OH content	Optran ® UV: high (> 700 ppm) Optran ® WF: low (< 1 ppm) Fibers with OH contents < 0,25 ppm and < 0,1 ppm are available upon request
Standard prooftest	100 kpsi (nylon, ETFE, acrylate cladding) 70 kpsi (polyimide cladding)
Minimum bending radius	50 × cladding diameter (short-term mechanical stress) 150 × cladding diameter (during use with high laser power)