

SDLS - 3000

DoublePulse Laser System



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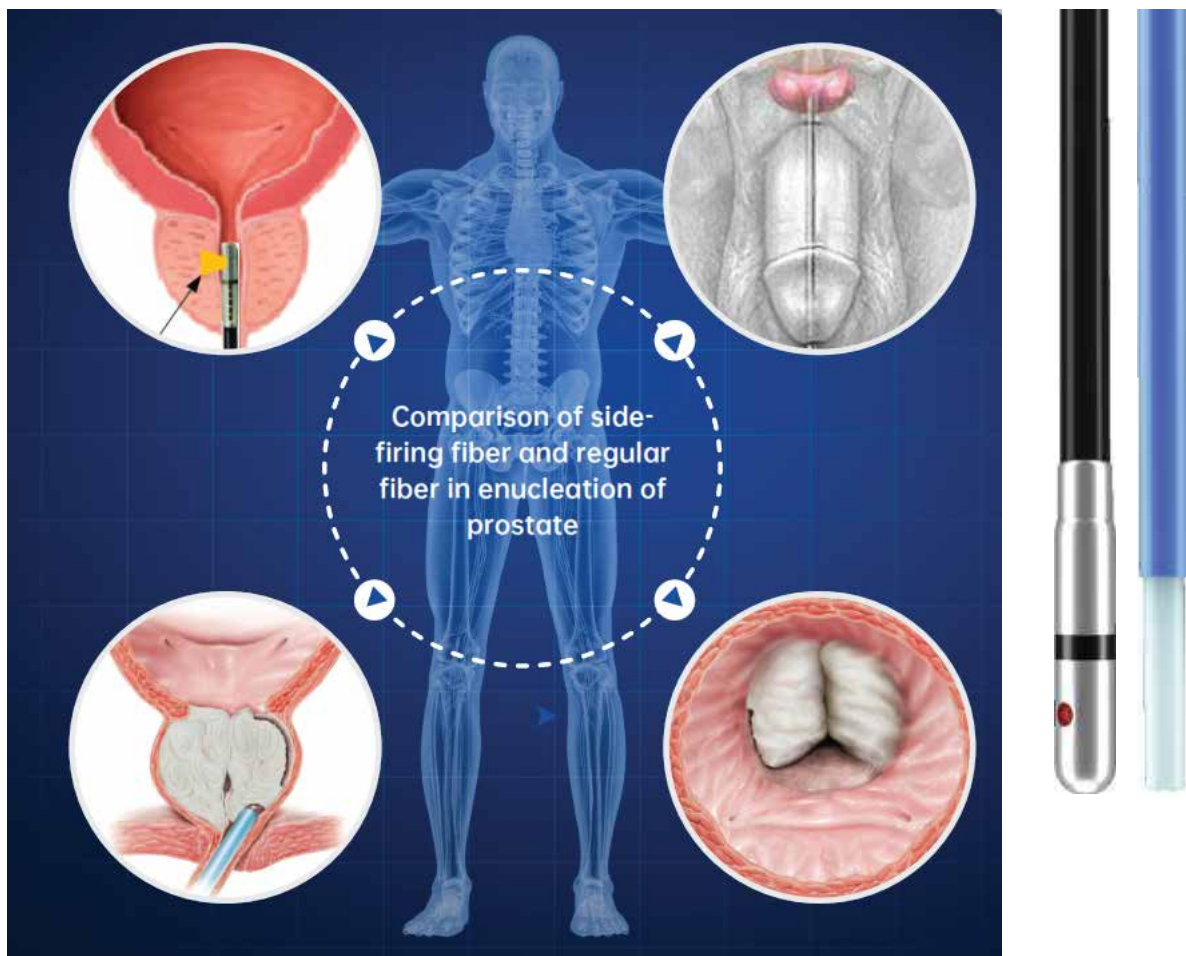
Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Introduction

The Double Pulse laser combines high-efficiency cutting with the exclusive patented side-firing fiber. On the basis of traditional enucleation of the prostate, it achieves a dramatic improvement in controllability, high-definition surgical field of vision, and hemostasis from the face. Greatly shortens the learning curve for enucleation of the prostate.



VISIBLE AND INVISIBLE LASER RADIATION

Avoid eye skin exposure to direct or scattered radiation

Laser product: Class 4

Aiming beam: Class 3R



►► Technical Specification

Model	SDLS 3000	SDLS 3001
Max Average Power	80W	100W
Wavelength	2.1μm	
Pulse Working Mode	Single Pulse / Double Pulse	
Max Frequency	60Hz	
Pulse Energy	Single Pulse: 0.5-3.5J Double Pulse: 1-7J	Single Pulse: 0.5-5J Double Pulse: 1-7J
Max Peak Power	10KW	
Pulse Width	Adjustable (Short, Long)	
Aiming Beam	Green. 532 nm (Adjustable<5mW)	
Footswitch	Double Footswitch	
GUI	Two Working Modes	
Cooling	Internal Compressor Cooling System Ultra-quiet (<60dB)	
Electrical Requirements	200-240 VAC, 50 / 60Hz, 32A	
Dimensions (L / W / H)	120 x 60 x 130 cm	
Weight	200kg	

►► DoublePulse Laser System





Double footswitch allows for easy switching between laser two settings during procedure. One of the footswitch can be dedicated for hemostasis in order to address bleeding faster and more efficiently during HoLEP procedure.

►► Ultra-quiet Compressor Cooling System

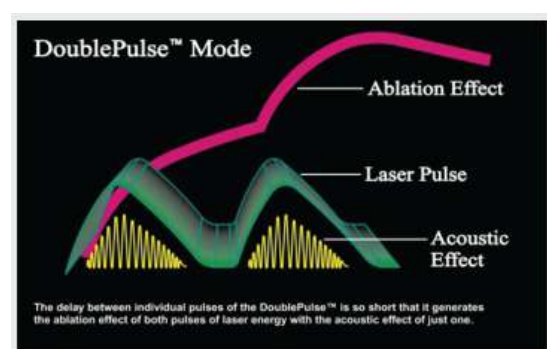
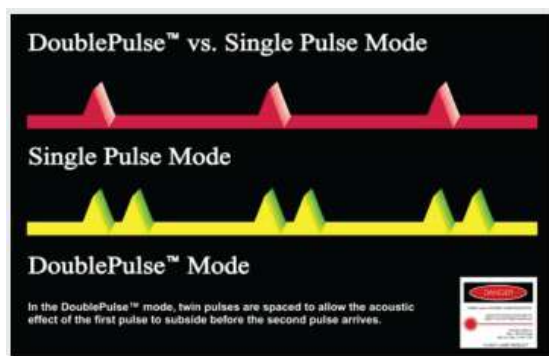
20% reduction Lower noise

Innovatively designed compressor cooling system with operating noise below 60dB. The noise is reduced by 20% compared with the water-to-air cooling system currently used by most laser manufacturers.

20% Increasing Better power performance

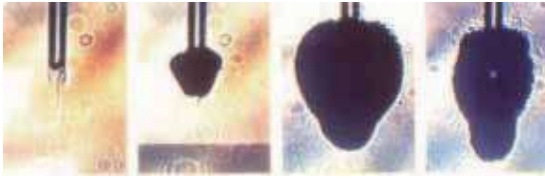
By reducing cooling temperature to 10-15°C from 22-26°C of regular holmium laser, the laser can achieve maximum 60Hz, and maximum average power to 100Watts. It can make a shorter procedures.

►► DoublePulse Technology



DoublePulse laser has two independent power supply systems and laser systems. The two laser cavities can work at the same time. The laser energy pulses can be superimposed. There is a small time between two pulses.

Single Pulse

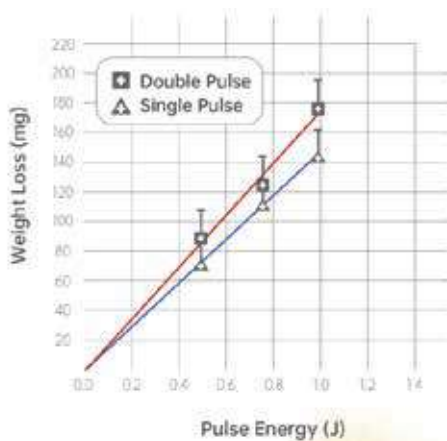


Double Pulse



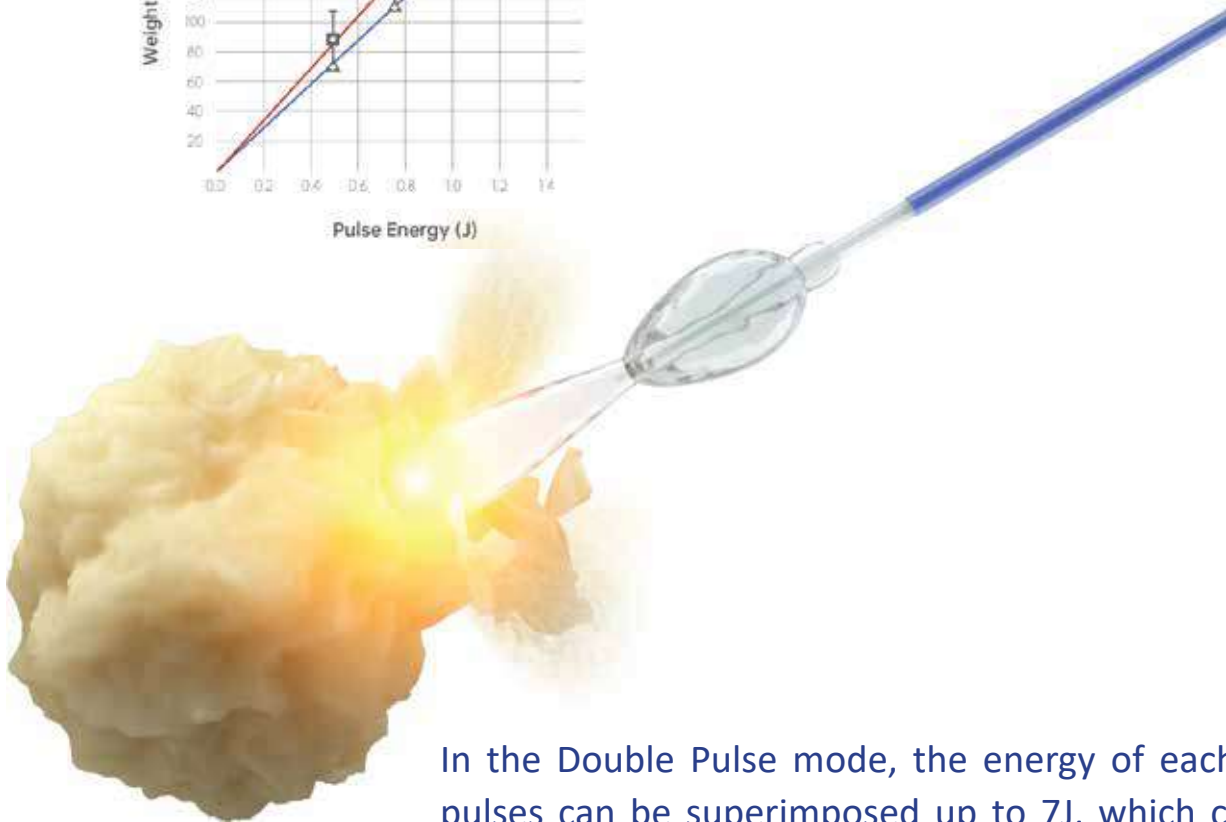
The interval can be adjusted, that is, the double pulse mode.

In the double pulse mode, the first pulse will burst to form bubbles, and then the second pulse will directly act on the stone or tissue through the vacuum of the bubbles of the first pulse to achieve energy superposition, which doubles the efficiency of the operation.



Faster

Fragmentation or dusting speed increased by more than 2 times.



In the Double Pulse mode, the energy of each group of pulses can be superimposed up to 7J, which can quickly crush stones of any composition. The pulse frequency can reach up to 60Hz, it brings excellent dusting effect and improving stone free rate.



Less Stone Migration

Double pulse creates a Moses effect that reduces stone migration by 90%.

In regular holmium laser lithotripsy, when the laser is emitted, air bubbles will be generated at the front end

of the fiber, and Moss effects such as shock waves will appear, which will cause the calculus to be displaced. The Double Pulse mode can reduce the side effects caused by the Moss effect, so that the air bubbles are significantly reduced, the shock wave is reduced, which brings less stone migration.



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HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



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Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

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Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



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Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



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2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



 **Analytical**[®]
Technologies Limited

HPLC Solutions MultipleLabs Analytical Bio-Med Analytical Distributors Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E: info@hplctechnologies.com
info@multiplelabs.com
info@analyticalgroup.net

W. www.analyticalgroup.net
www.hplctechnologies.com
www.multiplelabs.com

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