

TECHNICAL SPECIFICATIONS

Wavelength	Two models, 808nm or 976nm
Power Output	976nm: 0.1-16W@pulse mode, 0.1-10W@CW mode 808nm: 0.1-12W@pulse mode, 0.1-7W@CW mode
Pulse Duration	10µs-0.9s
Pulse Repetition Rate	Up to 50kHz
Tip Diameter	200µm, 300µm, 400µm
Power Supply Input	100-240VAC, 50-60Hz
Battery Pack	Li-ion Rechargeable, Last for one week with normal use
Size / Weight	138 x 124 x 168 mm, 1.3 kg

APPLICATIONS

Surgery	Gingivectomy/Gingivoplasty	Periodontology	Periodontal Pockets		
	Implant Uncovery		Peri-implantitis		
	Operculectomy		Pulpotomy		
	Frenectomy/Frenotomy		Root Canal Disinfection		
	Hemostasis		Temporary Pain Relief		
	Troughing		TMJ Disorders		
	Aphthous Ulcers		Dentine Hypersensitivity		
	Fibroma		Tooth Whitening		
	Epulis		Gingival Recontouring		
	Crown Lengthening		Gingival Pigmentation		
		Endodontics			
			Bio-Stimulation		
				Cosmetics	

SOLASE DENTAL DIODE LASER



LAZON MEDICAL LASER CO., LTD.

Tel: +86-24-31610402
 Fax: +86-24-31610407
 Email: service@lazonlaser.com
 Web: www.lazonlaser.com



BENEFIT FROM LASER

In a modern dental office, patients have come to expect treatment that is high quality, minimally invasive with less bleeding, comfortable with less pain and patient friendly. Incorporating dental lasers into conventional therapies helps in better prognosis and treatment outcomes. Laser has expanded into all aspects of dentistry: endodontics, oral and maxillofacial surgery, periodontics, aesthetic dentistry, restorative dentistry and dental implantology. Encouraged by an ever-increasing evidence of the safe and effective use of dental lasers, there are a growing number of dentist embracing the technology and appreciating how their patients can benefit.

DENTAL LASER

Less bleeding in the tissue

Painless, no need for anesthesia

Simple and efficient operation. Time-saving, High precision, No noise, No vibration

Operation is safe to metal such as implant.

Little side-effect on the surrounding tissue

Low probability of cross infection with disinfection effect

Faster postoperative tissue healing. Small scar with good appearance

Slight discomfort after surgery with pain relief effect

ELECTRIC KNIFE OR SCALPEL

More bleeding by scalpel

Strong sense of pain by scalpel, need for anesthesia

Difficult to operate. Time-wasting. Low precision. Electric knife is dangerous to the medical device on patient

Electric knife is forbidden around implant and metal crown

Obvious contraction of surrounding tissue. More serious heat affected zone

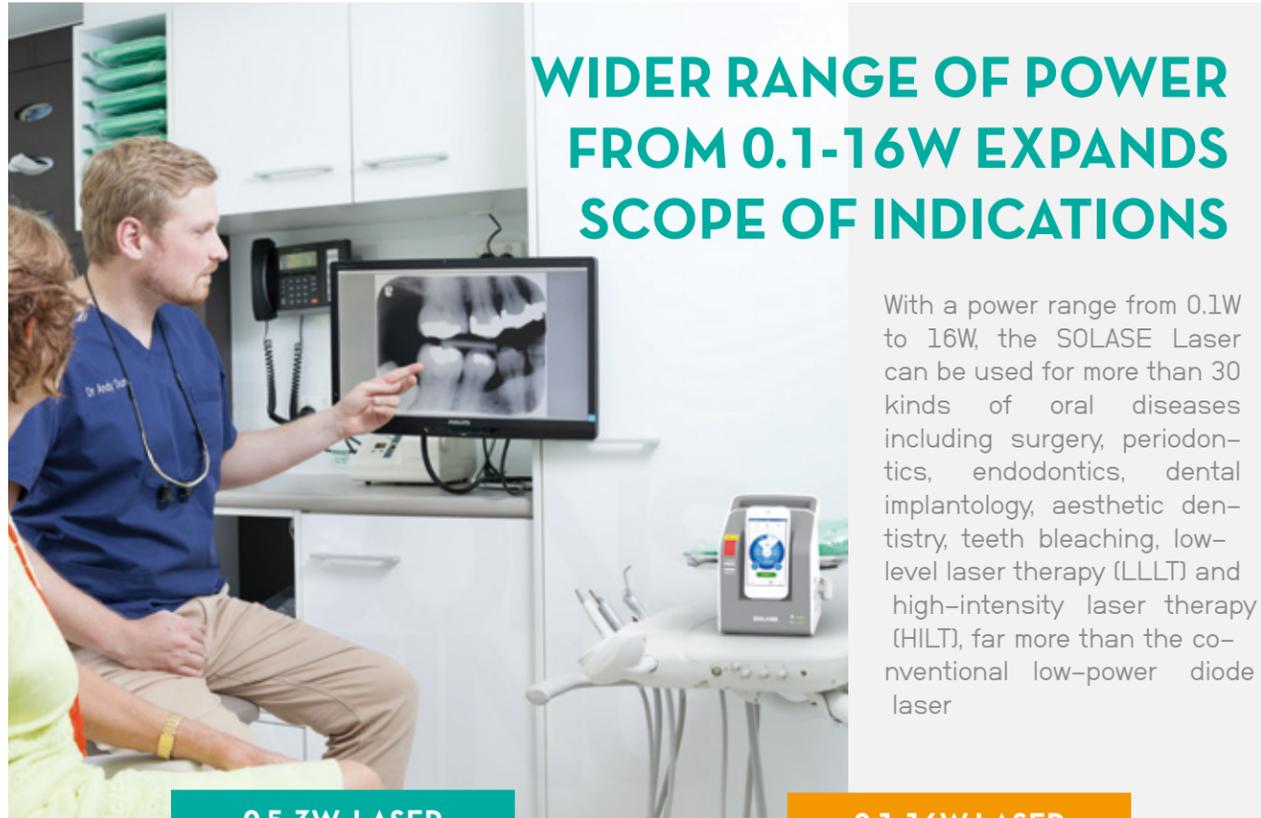
Antibiotics need to be taken after operation by scalpel

Slow healing with obvious scar

Severe postoperative swelling with strong discomfort

TO BE YOUR SMARTEST ASSISTANT





WIDER RANGE OF POWER FROM 0.1-16W EXPANDS SCOPE OF INDICATIONS

With a power range from 0.1W to 16W, the SOLASE Laser can be used for more than 30 kinds of oral diseases including surgery, periodontics, endodontics, dental implantology, aesthetic dentistry, teeth bleaching, low-level laser therapy (LLLT) and high-intensity laser therapy (HILT), far more than the conventional low-power diode laser

0.5-3W LASER

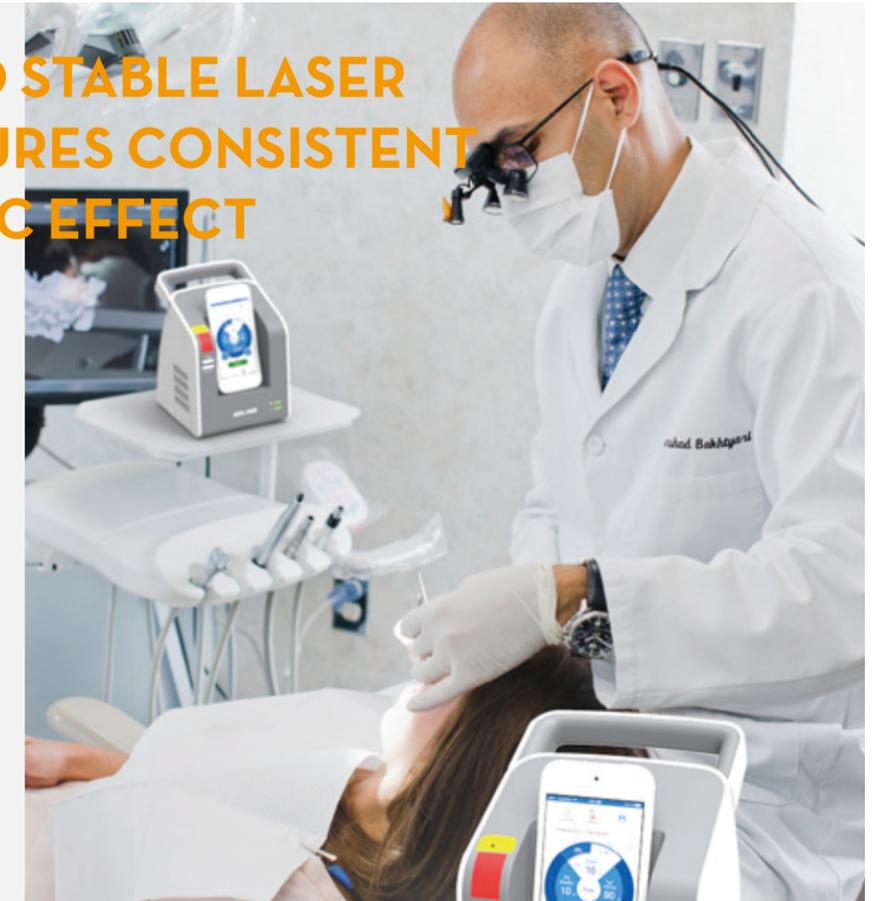
- ✓ Low Speed Cutting
- ✓ Coagulation
- ✓ Hemostasis

0.1-16W LASER

- ✓ Low Speed Cutting
- ✓ Coagulation
- ✓ Hemostasis
- ✓ High Speed Cutting
- ✓ Non-Charred Cutting
- ✓ Teeth Bleaching
- ✓ High-Intensity Laser Therapy
- ✓ Low-Level Laser Therapy

PRECISE AND STABLE LASER POWER ENSURES CONSISTENT THERAPEUTIC EFFECT

The power and lifetime of diode laser drop about 50% for every 20°C rise in temperature. Therefore, temperature instability will seriously lead to power drift and performance loss. To solve the common problem of poor repeatability of treatment due to inaccurate and unstable laser power, SOLASE Laser developed over 5 years for its advanced DPSS technology to achieve perfect laser power accuracy and stability and ensure consistent treatment effect.



EASY OPERATION: AS SIMPLE AS A MASTER

FOR BEGINNER

- 30+ factory-loaded presets
- Step by step operating guide
- Easy installation and intuitive operation
- Plenty of reference material: video, literature, quick start, user manual...

FOR PROFESSIONAL

- All parameters adjustable
- Patient records
- Pulse Interval or frequency display, Time or Energy display
- Time count-up or count-down

SUPER-SHORT LASER PULSES REDUCE CHARRING AND IMPROVE HEALING

Super-short laser pulses have been proven to effectively reduce the charring of tissue and accelerate the postoperative healing. SOLASE Laser generates the shortest laser pulse in the market – up to 10µs of pulse duration and 50kHz of repetition rate.



Super-Pulse mode pulse duration=10µs



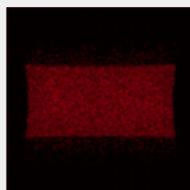
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WHITENING HANDPIECE

FULL-MOUTH FLAT-TOP WHITENING HANDPIECE

Long and non-uniform laser irradiation will seriously increase pulp chamber temperature and may cause irreversible pulpal damage. LAZON provides the world's first full-mouth whitening handpiece to reduce the irradiation time to 1/4 of the conventional quarter mouth handpiece, with excellent uniform illumination to ensure same whitening effect on each tooth and preventing pulpal damage due to local intense illumination.



Laser spot of whitening handpiece from LAZON: Large and Uniform



Laser spot of whitening handpiece from others: Small and Non-Uniform

THERAPY HANDPIECE

LASER SPOT DIAMETER 10-30MM ADJUSTABLE

The diameter of our new designed therapy handpiece can be adjusted from Φ 10-30mm to cover the affected area with different size.

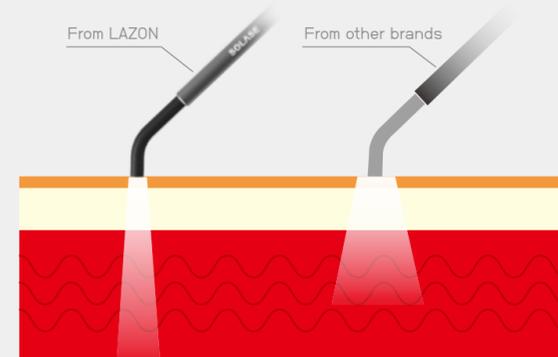
- All metal construction, rugged and durable
- Autoclavable spacer to prevent cross-infection



BIOSTIMULATION HANDPIECE

DEEPER PENETRATION BY COLLIMATED LASER BEAM

Our specially designed biostimulation handpiece makes collimated laser beam, which can penetrate into the deeper tissue to get a better therapy effect.



FastFiber TIPS

PRE-INITIATED TIP WITH PEEL-RESISTANT COATING

FastFiber tips are disposable and autoclavable. It is ready to use, no need for fiber stripping and cutting. It saves your time and avoids cross-infection.

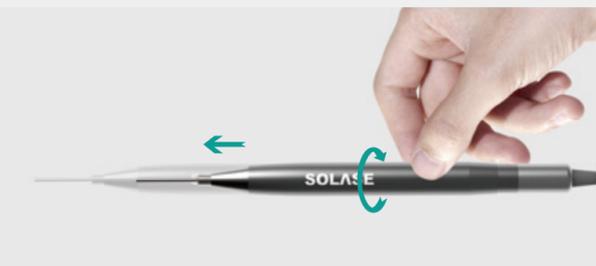
LAZON has developed a new pre-initiated tip with a strong, peel-resistant black coating. The specially coating withstands high temperature during laser cutting, ensuring a smooth and fast surgical treatment.



EcoFiber HANDPIECE

LOW COST AND DURABLE FROM BREAKING

The EcoFiber handpiece not only has the advantage of low cost as traditional strippable fiber, but is also durable and easy to replace. The fiber inside has high reliability and is not easy to break. At the same time, it is perfectly compatible with our unique full-mouth whitening handpiece and therapy handpiece.



BYE-BYE, MR. CABLE

- Built-in Li-ion battery for over one week use.
- All Bluetooth connection among base units, wireless footswitch and your mobile device.
- Only weigh 1.3kg, as easy as carrying a laptop.
- Can be placed on any available surface.

