

## TECHNICAL SPECIFICATIONS

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

## APPLICATIONS

<b>Surgery</b>	Gingivectomy/Gingivoplasty	<b>Periodontology</b>	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
	<b>Endodontics</b>		
	<b>Bio-Stimulation</b>		
	<b>Cosmetics</b>		

# SOLASE DENTAL DIODE LASER



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## 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. The laser has expanded into all aspects of dentistry: endodontics, oral and maxillofacial surgery, periodontics, aesthetic dentistry, restorative dentistry, and dental implantology.

Encouraged by 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

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. The electric knife is dangerous to the medical device on the patient

Electric knife is forbidden around the implant and metal crown

Obvious contraction of surrounding tissue. More serious heat affected zone

Antibiotics need to be taken after the operation by scalpel

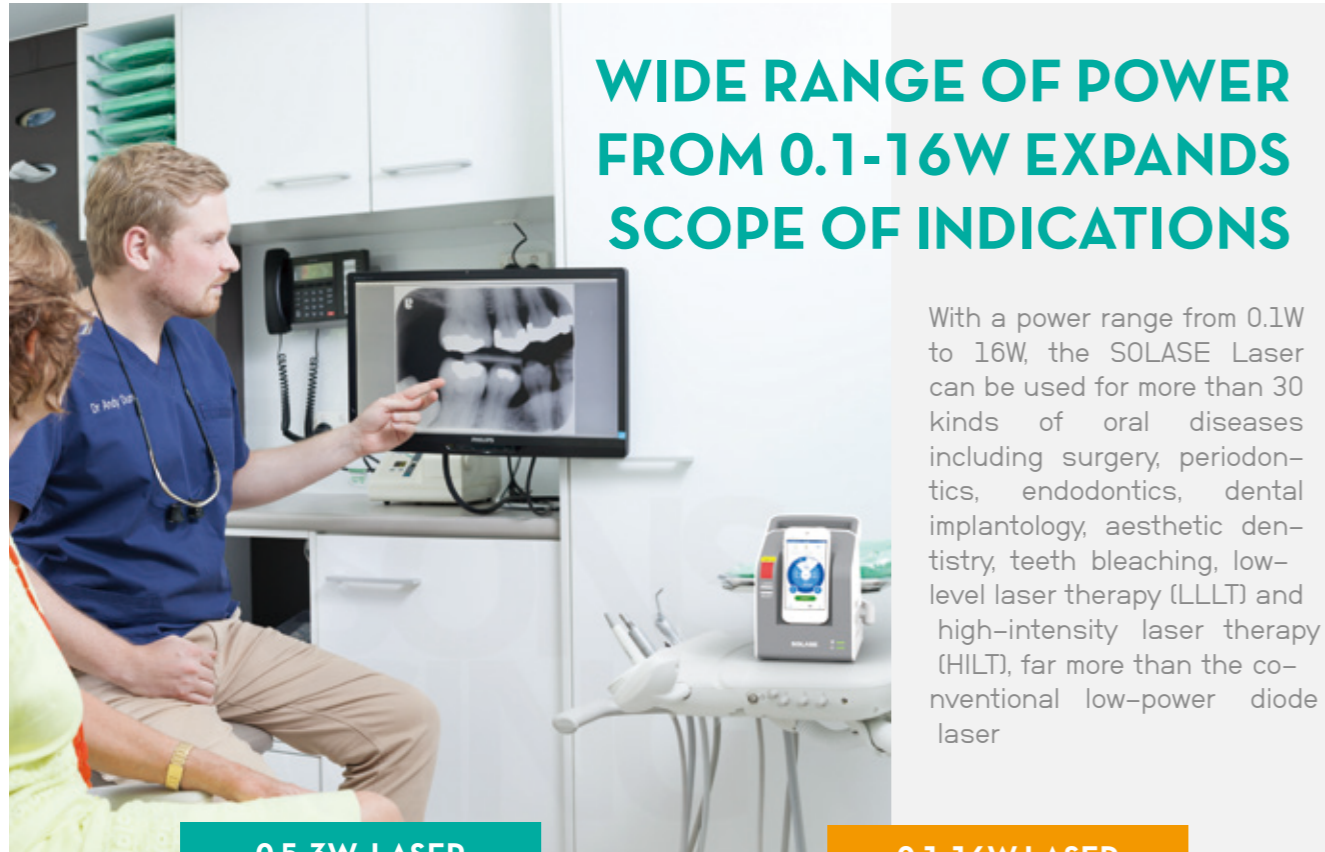
Slow healing with obvious scar

Severe postoperative swelling with strong discomfort

## TO BE YOUR SMARTEST ASSISTANT







## WIDE 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 five 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



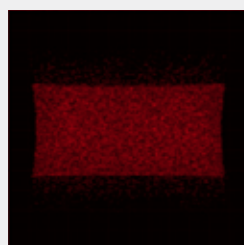
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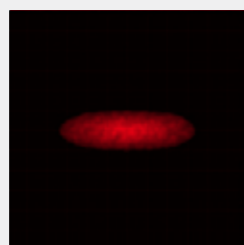
### WHITENING HANDPIECE

#### 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 to prevent pulpal damage due to intense local 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  $\Phi$ 10-30mm to cover the affected area with different size.

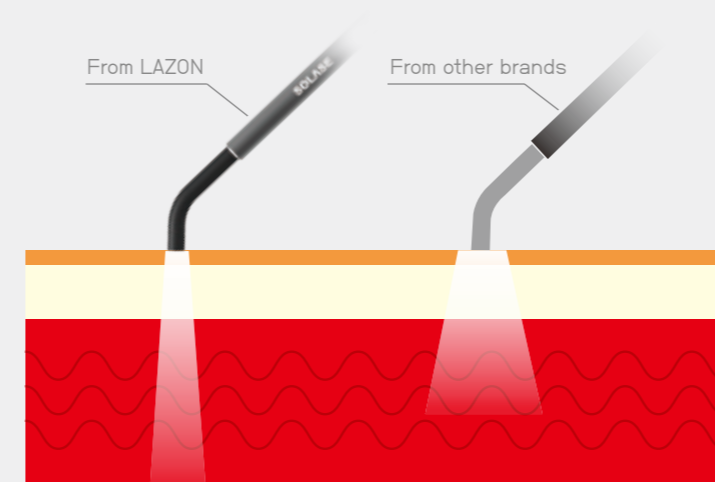
- All metal construction, rugged and durable
- Autoclavable spacer to prevent cross-infection



### 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 laser 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.

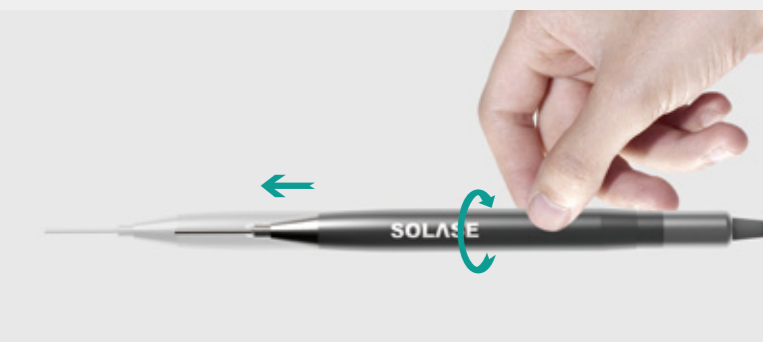
LAZON has developed a new pre-initiated tip with a durable, peel-resistant black coating. The special coating withstands high temperature during laser cutting, ensuring a smooth and fast surgical treatment.



### 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.

