

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 142 x 168 mm, 1.3 kg |

APPLICATIONS

| | | | |
|----------------|----------------------------|------------------------|-----------------------|
| Surgery | Gingivectomy/Gingivoplasty | Periodontology | Periodontal Pockets |
| | Implant Uncovery | | Peri-implantitis |
| | Operculectomy | | Gingivitis |
| | Frenectomy/Frenotomy | | Troughing |
| | Hemostasis | | Sulcular Debridement |
| | Herpes | | Pulpotomy |
| | Aphthous Ulcers | | Temporary Pain Relief |
| | Fibroma | | TMJ Disorders |
| | Abscess Excision | | Tooth Whitening |
| | | | Crown Lengthening |
| | | Endodontics | |
| | | Bio-Stimulation | |
| | | Cosmetics | |

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 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, dental implantology.

Encouraged by an ever-increasing evidence of the safe and effective use of lasers, there are a growing number of dentist embracing the technology and appreciating how their patients can benefit.

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 effect on the surrounding tissue

Low probability of cross infection with sterilizing effect

Faster postoperative tissue healing. Small scar with good appearance

With pain relief effect, slight discomfort after surgery

ELECTRIC KNIFE OR SCALPEL

More bleeding by scalpel

Strong sense of pain by scalpel, need for anesthesia

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

Electric knife operation is forbidden around impant

Obvious contraction of surrounding tissue. Bigger heat affected area

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

SELF-LEARNING

The APP includes built-in operating instructions, user manual and instructional video.

PATIENT RECORD

To save your patient information, treatment settings, photos, video, notes and therapeutic effect evaluation.

MULTI-ACCOUNT

Every dentist can have their own account protected by their own password.

APP UPDATING

Update the APP in the first time to get the latest features for your laser

CLOUD BACKUP

All data can be backed up to the Cloud and saved in private.

UNLIMITED CUSTOM PRESET

The user can save an unlimited number of custom presets.

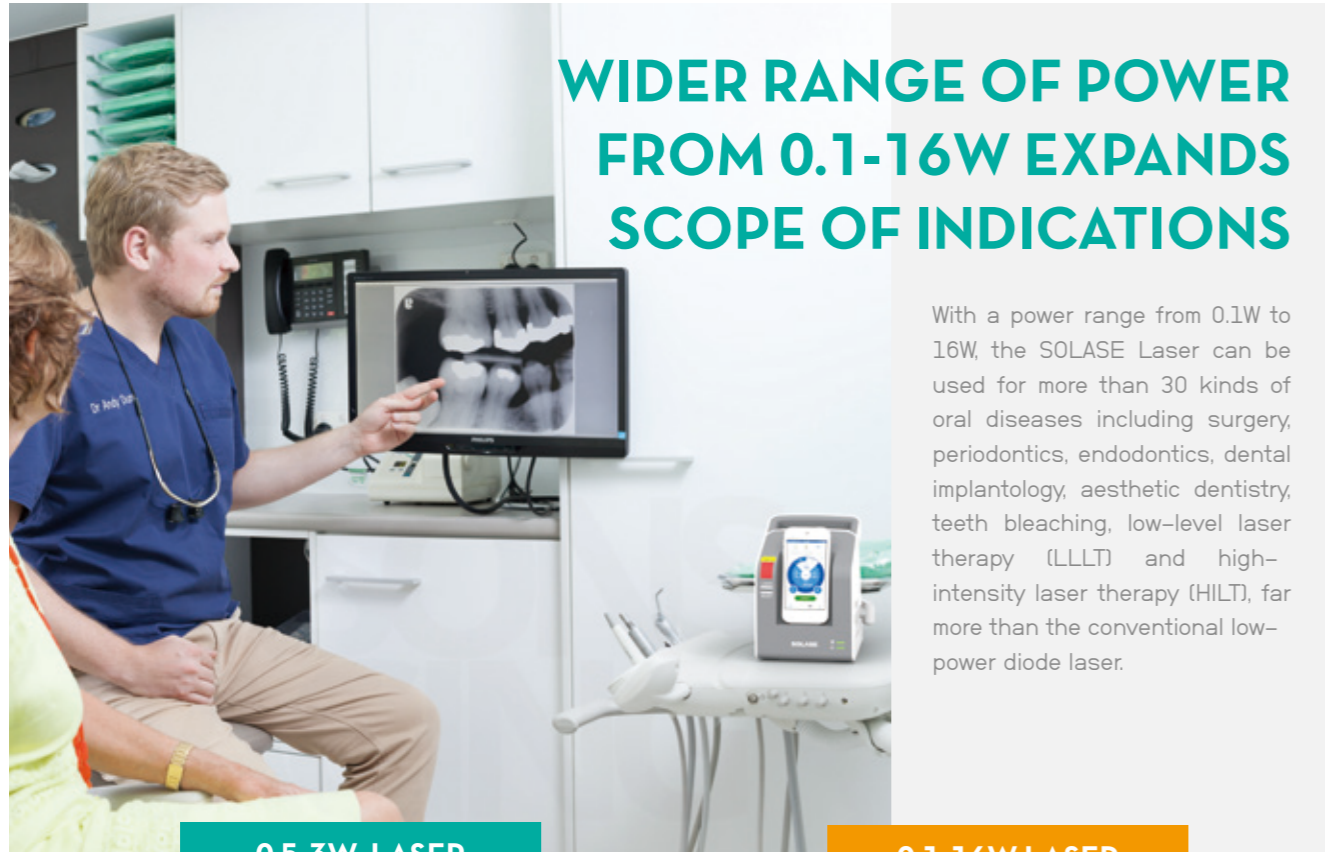
SMART TIP INITIATION

The APP identifies the indication and automatically turns on or off the tip initiation.

OFFLINE MODE

Check your data anywhere without the laser by your side.





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

To solve the common problem of poor repeatability of treatment due to inaccurate and unstable laser power in the dental field, SOLASE Laser developed over 5 years for its advanced DPSS (Dynamic Power Stabilization System) 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:

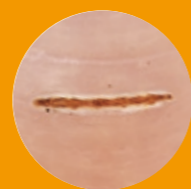
- All parameters adjustable
- Patient records
- Pulse Interval or frequency display, Time or Energy display
- Time count-up or count-down

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 post-operative healing. SOLASE Laser can generate a precise laser pulse – up to 10µs of pulse duration and 50kHz of repetition rate.



Super-Pulse mode pulse duration=10µs



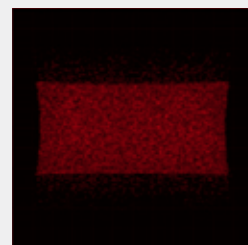
Continue wave mode



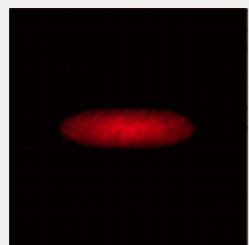
WHITENING HANDPIECE

WORLD'S FIRST FULL-MOUTH 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

LARGER LIGHT SPOT COVERS LARGER AFFECTED AREA

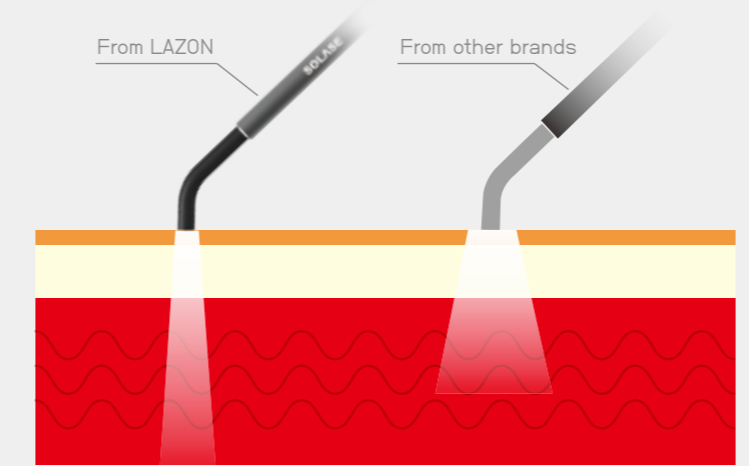
The diameter of our new designed therapy handpiece can be adjusted from $\Phi 10-30\text{mm}$ to cover the affected area with different size.



BIOSTIMULATION HANDPIECE

DEEPER PENETRATION BY COLLIMATED LASER BEAM

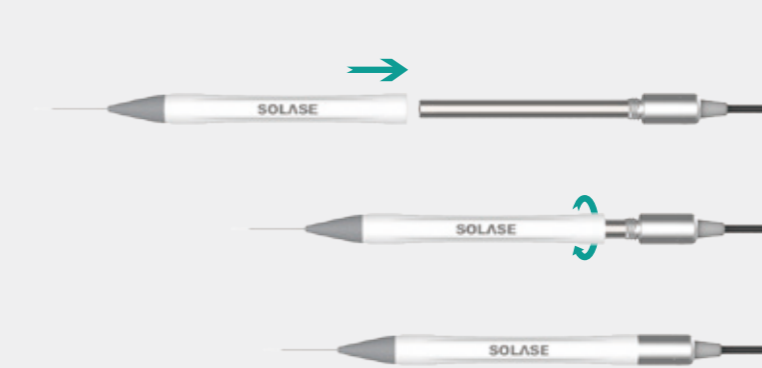
Our specially designed biostimulation handpiece brings collimated laser beam, which can penetrate into the deeper tissue to get a better therapeutic effect.



DISPOSABLE FIBER TIPS

A NEW LENGTHENED DESIGN

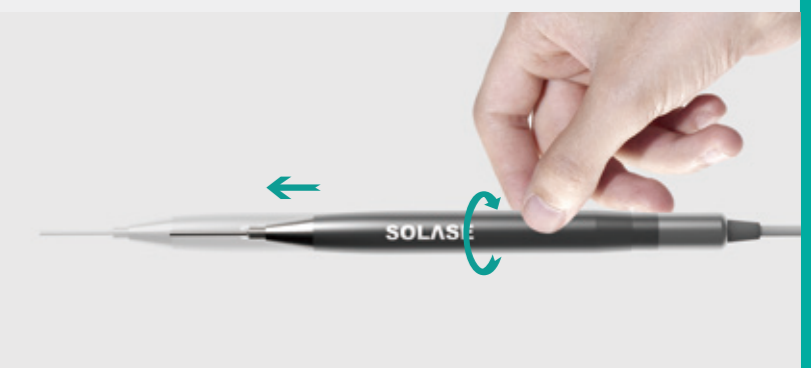
We have creatively designed a lengthened disposable fiber tips that withstands autoclaving. It combines the tip and sleeve of traditional design to save your time and avoid cross-infection, without the needs of autoclaving the sleeve separately.



CUTTING FIBER HANDPIECE

LOW COST AND DURABLE FROM BREAKING

Conventional reusable optical fiber has the inconvenience of fiber replacement, and the problem of being easily broken during use. We innovate our unique cutting fiber handpiece with low price but durable and easy to replace.



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 small flat surface.

