

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



MagnifiDent cc
2355 Starling Road , Extension 1
Lenasia South , Johannesburg
Gauteng , South Africa, ZA



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.

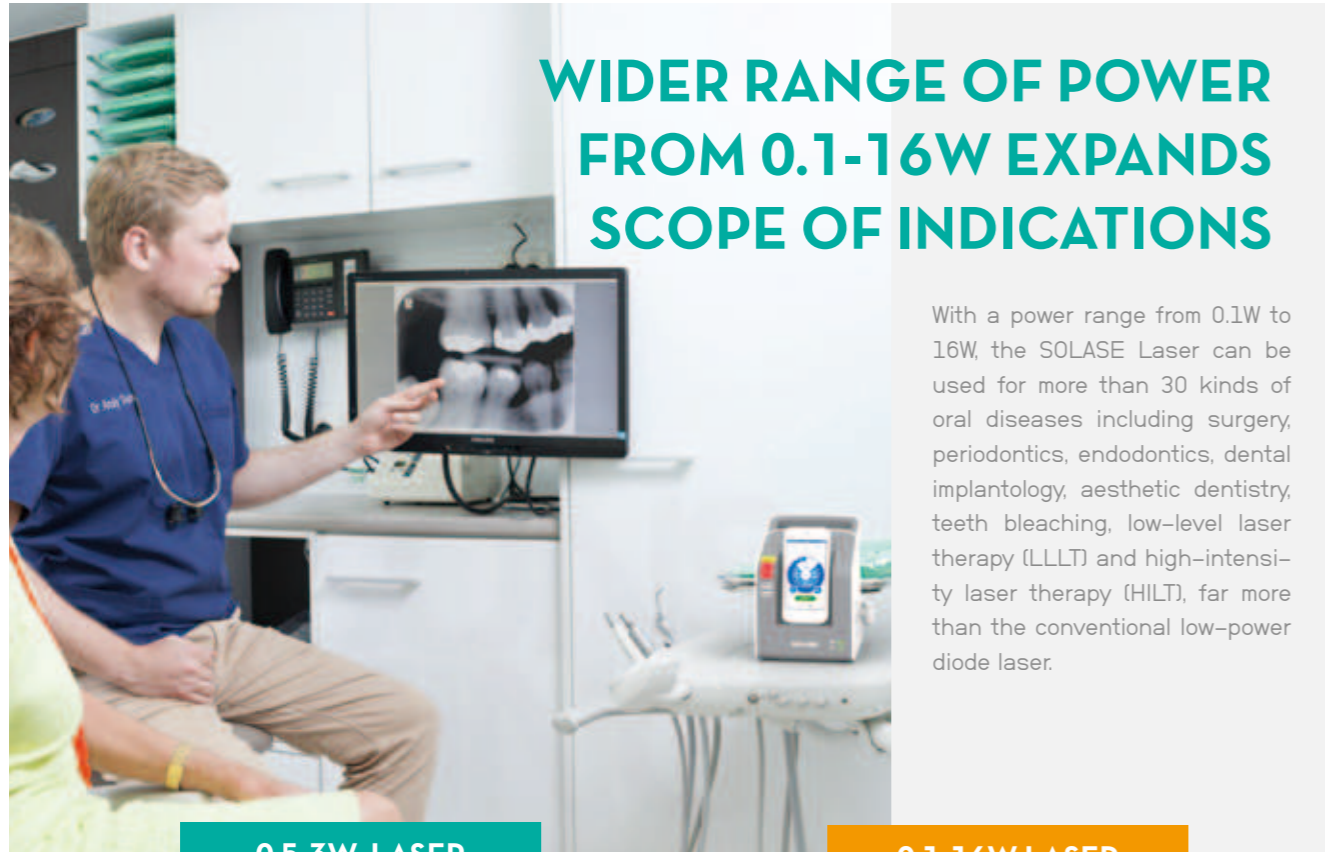
LASER
Less bleeding in the tissue
Painless, no need for anesthesia
Simple and efficient operation. Time-saving, High precision, No noise, No vibration
Operation is safe to metal such as implant.
Little effect on the surrounding tissue
Low probability of cross infection with sterilizing effect
Faster 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





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 postoperative 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



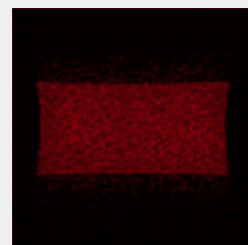
Continue wave mode



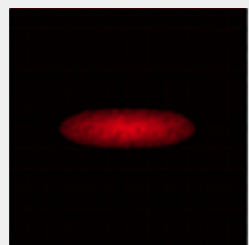
WHITENING HANDPIECE

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

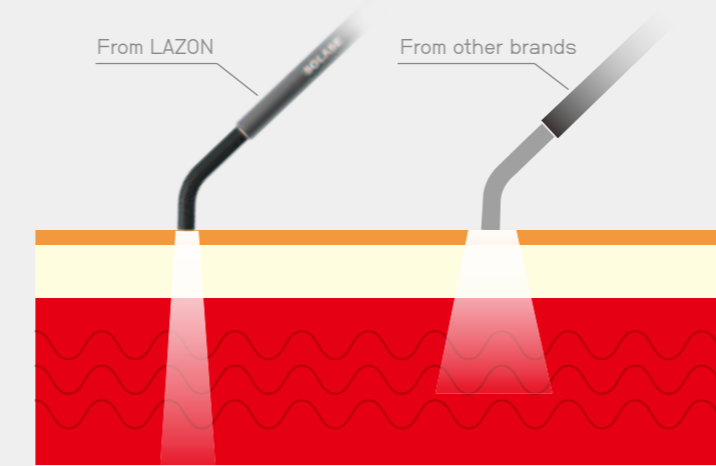
The diameter of our new designed therapy handpiece can be adjusted from $\Phi 10-30\text{mm}$ to cover the affected area with different size.



BIOSTIMULATION HANDPIECE

DEEPER PENETRATION BY COLLIMATED LASER BEAM

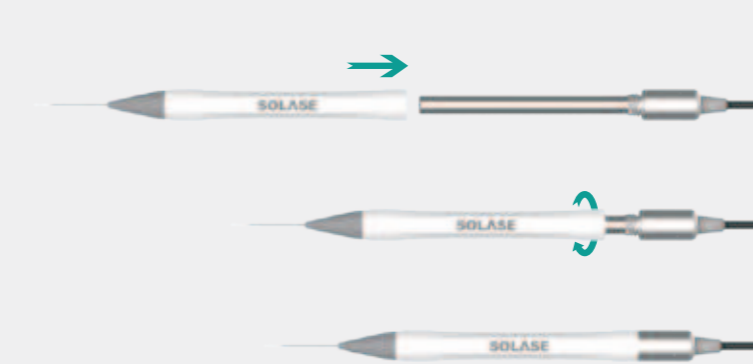
Our specially designed biostimulation handpiece brings collimated laser beam, which can penetrate into the deeper tissue to get a better therapeutic effect.



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.

