

SOLASE PRO

DENTAL DIODE LASER



Wavelength and Max. Power	450nm: 3W @ CW, 5W @ pulse 650nm: 400mW @ CW 980nm: 8W @ CW, 12W @ pulse
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	214 x 150 x 149 mm, 1.6kg

APPLICATIONS

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

OUR GLOBAL SALES NETWORK



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THREE WAVELENGTHS HUNDREDS OPTIONS

SOLASE Pro can emit three wavelengths of laser from a single device. Each wavelength has better curative effect on specific indication.

450nm Blue Laser

Traditional laser needs tip initiation to cut soft tissue, which is time-consuming and highly dependent on operator's experience. The cutting efficiency is dramatically different between good and bad tip initiation. Blue laser is strongly absorbed by proteins, with 60 times absorption higher than that of traditional lasers. It can cut tissues at very high speed without tip initiation to reduce thermal damage and guarantee the excellent repeatability of cutting effect. Moreover, the photon energy of blue laser is twice that of traditional laser. So it can quickly activate the molecules of whitening gel, and the whitening effect is several times stronger.

980 / 810nm Near Infrared Laser

With strong anti-bacterial and anti-inflammatory effects, it is very suitable for periodontitis and root canal disinfection

650nm Red Laser

650nm is in the optical window of human body, so it can penetrate very deep to reach the affected area. With excellent photobiomodulation effect, it is very suitable for laser therapy, such as pain relief and wound healing acceleration.



FOCUS ON DETAILS STRIVE FOR PERFECTION

Display of charging status under shutdown

Hidden air inlet

Built-in high-performance lithium battery



Hidden handle

Hidden fiber management system

High-efficiency silent fan

8-inch IPS Touchscreen

Works with wet hands and medical gloves



Rotary Handpiece Holder

Easy to put or take the handpiece at any angle



High-end Suitcase

Waterproof, dustproof and shockproof



Waterproof Wireless Footswitch

Connection with AES-128 encryption



INTELLIGENT SYSTEM TECHNOLOGY FUTURE

SOLASE Pro updates its widely acclaimed operation system based on Android after a variety of upgrades to make it more humanized and intelligent.



ENGINEERED FOR DURABILITY BEYOND STANDARD

Quality is always our core value. To pursue this goal, SOLASE Pro has carried out 105 additional reliability tests beyond CE and FDA standards.

Handpiece Dust-burning Test

The output window of laser handpiece can be easily burned after being contaminated, which is a common problem in the laser industry. Lazon developed over three years for its FiberDura technology to completely solve this problem. Verified by test, the laser-emitting window filled with graphite powder remains undamaged after working for 2 hours under 3W laser output.

Footswitch IPX8 Waterproof Test

2 meters underwater for 30 minutes, no damage



180-day Stability Test

After continuously working under highest laser output for 180 days, the power drop does not exceed 0.2W



12-hour Vibration Test

Continuous vibration for 12 hours



Thermal Shock Test

-20 C ~ 60 C rapid temperature shock, 5 cycles

Fiber Tips Insertion Test

After plugging to the laser handpiece for 1000 times, the power drop does not exceed 0.2W after cleaning

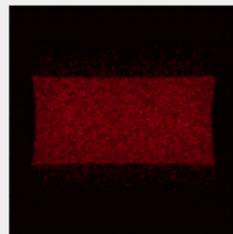
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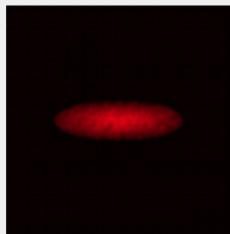
WHITENING HANDPIECE

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 Φ 10-30mm to cover the affected area with different size.

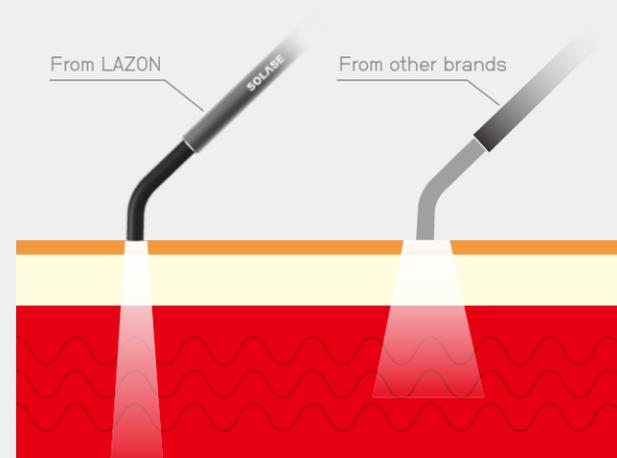
- All metal construction, rugged and durable
- Autoclavable spacer to prevent cross-infection



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 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.

