



BERYLAS BLUE DENTAL LASER SYSTEM

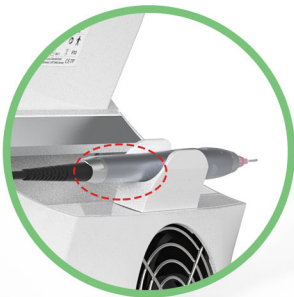
Innovative | Efficient | Versatile | Accurate

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Professional Dental Diode Laser System

The Berylas manufactured by Dimed is an innovative and effective dental diode laser with best wavelengths and powers. Thanks to the advanced technique and high quality. Berylas performs excellently in soft-tissue surgeries, periodontics, endodontics, teeth whitening and other oral treatments.



Multi-functional handpiece

Easy replacement for different heads



Ergonomic handle

Designed for easy mobility and portability

Friendly Design For Dentists

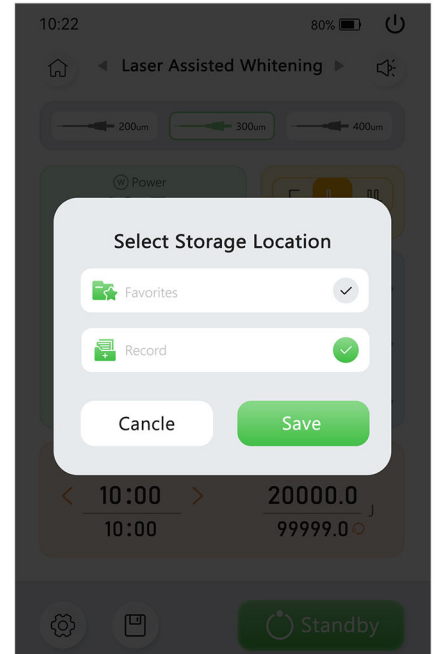
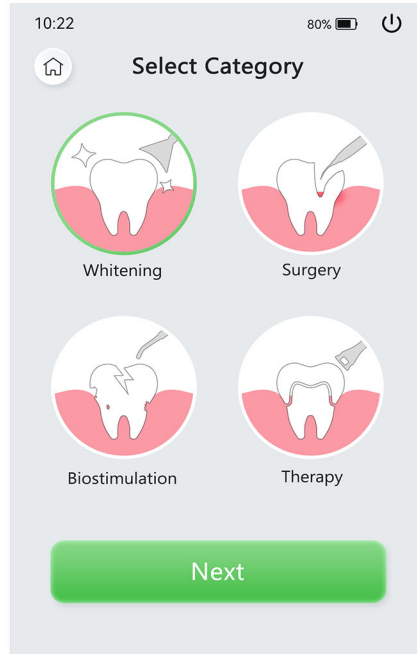
The Berylas is easy to use with the advanced software and smart guidance, which brings more convenience to the dentists.

Complete Preset Protocols

Berylas offers preset protocols for the most common dental laser treatments and users can complete the steps by a few clicks.

Multiple Wavelengths And Power Combinations

The three wavelengths can be used independently or simultaneously, and each power can be freely adjusted, thus expert mode can be also achieved.

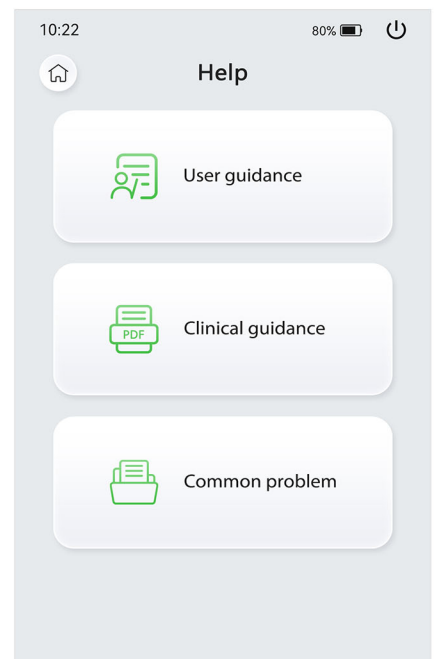
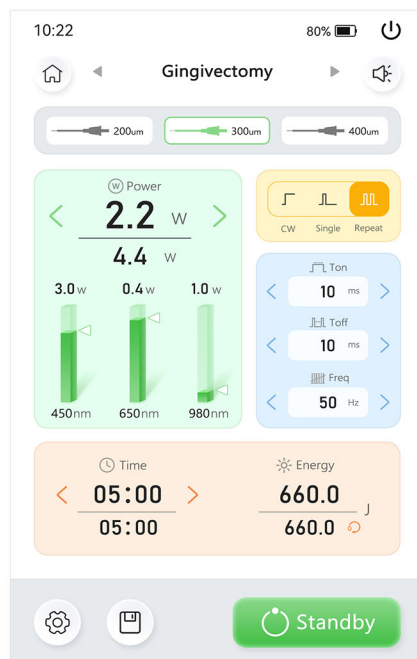


Create Individual Settings And Save Favorites

The users can set specific parameters and save them in 'Favorite' for the purpose of accessing them directly and working more efficiently.

Treatment Record

The patient name, date, application and exact parameters of every treatment can be saved and searched.

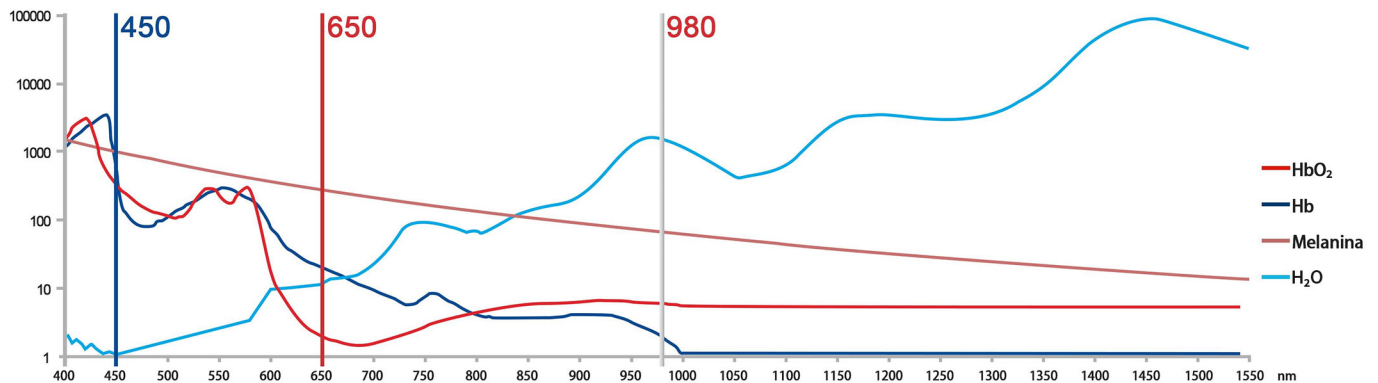


Self-learning By Android System

The users can review the user manual, operating instructions and updated videos by the 'Help' icon.

Innovative Three Wavelengths

450 nm - 650 nm - 980 nm

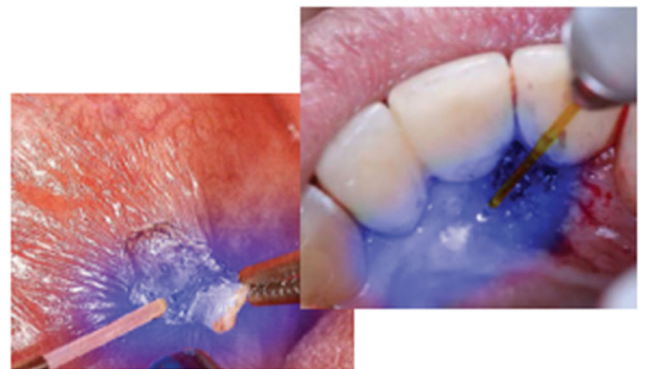


Each of the major biological chromophores has an absorption spectra. Above figure shows penetration depth of light is strongly dependent on wavelength.

Compared to traditional infrared laser(810nm/980nm), which is only based on water absorption and not on hemoglobin absorption. Berylas dental laser has so many surgical advance by using 450nm as its main wavelength. It provides more safety, precision, pain relief and faster healing in the treatment.

- 450nm Wavelength

The 450nm blue laser is a perfect wavelength for soft-tissue surgical procedures, such as soft-tissue cutting, ablation, coagulation, incision. Because of the extraordinary absorption in hemoglobin and non-absorption in water of the 450nm blue laser, there is almost no thermal damage and more precise cutting in the treatment with no side effects for patients.



- 650nm Wavelength

The 650nm laser can be well absorbed by melanin, ensuring a high close of energy on the surface region. It is often used for low level therapy(LLLT) as it is a great wavelength for tissue regeneration, anti-inflammation, wounds healing and fast scarring.

- 980nm Wavelength

The traditional 980nm laser with high absorption in water and high thermal effects has excellent vaporization capacity, hemostasis and reduced possibility of tissue necrosis, so it performs efficiently in soft-tissue cutting, periodontal diseases, TMD therapy .

Clinical Applications Of Berylas



Endodontics

- Root decontamination
- Pulpotomy
- Apex decontamination
- Pulp capping



Periodontics

- Pockets decontamination
- Biostimulation
- Gum recession treatment
- Inflammation reduction



Therapy

- Desensitization Dentin Hypersensitivity
- Aphthae/Cheilitis
- TMJ Analgesic therapy
- Photobiomodulation



Surgery

- Gingivectomy/Gingivoplasty
- Labial/ Lingual frenectomy
- Sulcus preparation
- Abscess incision and drainage



Implant

- Peri-implantitis decontamination
- Implant uncovering
- After-surgery biostimulation
- Post-extraction decontamination



Conservative

- Grooves decontamination
- Cavity decontamination
- Vitrification



Cosmetic

- Whitening
- Hemangioma
- Gum depigmentation
- Gum Smile



Derma

- Dermatological surgery
- Hyperpigmentation
- Skin regeneration

Berylas In Practice

- Minimal bleeding, swelling
- Less or no anesthesia
- More precise cutting
- Less or no pain
- Minimal or no suturing
- Little or no gingival recession
- Less drug intervention
- Reduction in surgical time
- Minimal postoperative discomfort
- Faster healing
- Efficient whitening with excellent result



Fibroma



Before



Directly after



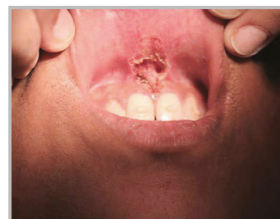
Two weeks later

- No pain or discomfort, no need suturing, the healing process was completed in 7 days

Frenectomy



Before



Directly after



Two weeks later

- Easy application, better coagulation, less bloodless

Gingival Pigmentation



Before



Directly after

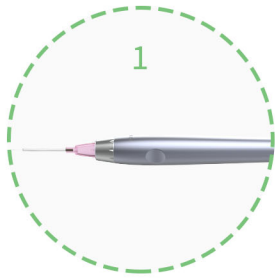


Two weeks later

- Less swelling and pain, esthetic effect

Full Accessories For Different Requirements

- ① Multi-functional handpiece with disposable fiber tips
- ② Therapy head
- ③ Whitening head
- ④ Bio-stimulation head
- ⑤ Footswitch
- ⑥ Safety goggles
- ⑦ Interlock
- ⑧ Power adapter



Technique Specification

Product Model	Berylas	
Laser Type	GaAlAs Diode	
Laser System	Class IV	
Wavelength	980nm	450nm+650nm+980nm
Power	10W	4W+500mW+10W
Operation Mode	CW/Single Or Repeat Pulses	
Pulse Duration	10us-3s	
Repetition Rate	1Hz-20KHz	
IP Degree of Protection	Footswitch(waterproof): IPX8	
Aiming Beam	650nm, Power<5mW	
Cotrol Mode	True Color Touch Screen(7 inches, High-resolution 1200×1920 px, 323 PPI)	
Dimensions	160(W)*180(L)*235(H)mm	
Weight	2.1KG	



With a network of trusted partners worldwide, Dimed is dedicated to advancing medical care through innovative laser technology.

Thank you

Thank you for exploring our innovative laser solutions. We're committed to supporting your business with the latest technology and unparalleled service.



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