

BeryLas+TruBlue Dental Laser System

Discover the new Dimension in dentistry



DIMED MEDICAL LASER

Professional Dental Diode Laser Equipment

The Berylas by Dimed Laser is an innovative and effective diode laser combining best wavelengths and power. Thanks to the advanced programs and high quality, Berylas performs excellently in soft-tissue surgeries, teeth whitening and other dental treatment.

-High Quality Injection Mould Body Case

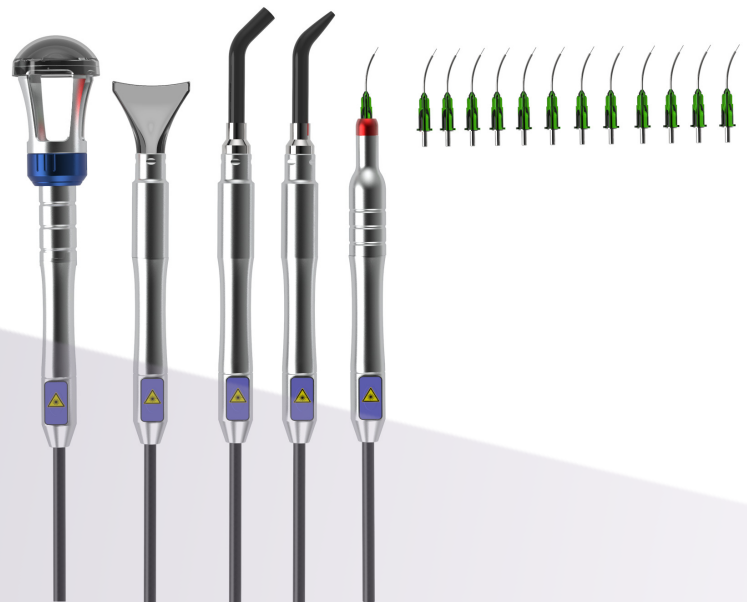
Integrated injection molding by high quality engineering plastics, provide the body case with high strength, not easy to break by impact or drop. The details are very good of high dimensional accuracy, high color saturation, high gloss.

-Advanced Heat Management Without Overheating

Through hundreds of thermal analysis simulation, it can continue working at least 4 hours without overheating problem.

-Portable Design

The whole unit is compact with modular design, it is small size, lightweight and portable with ergonomic design.



-Intuitive Interface

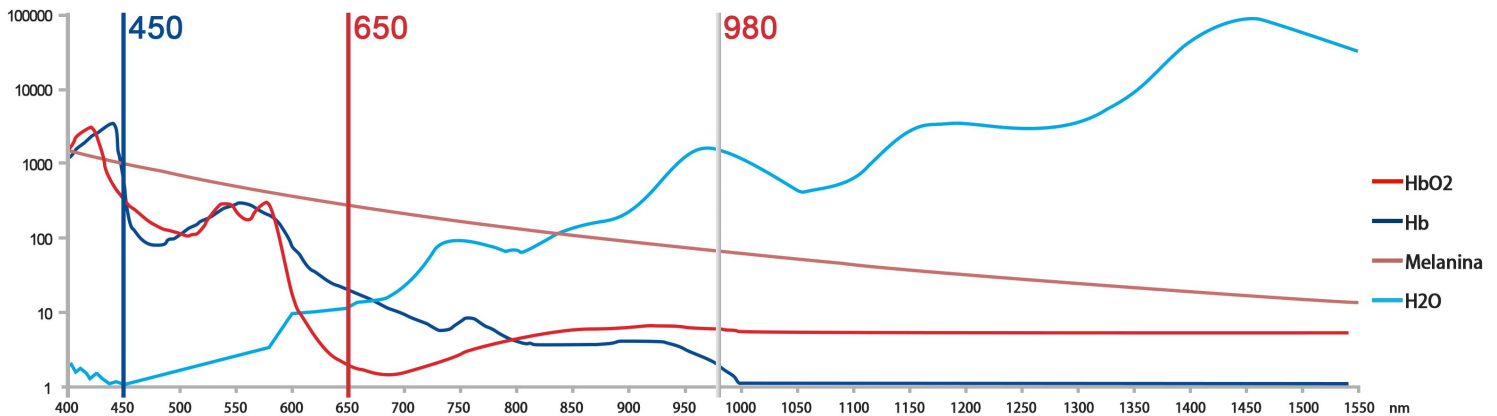
The 7-inch 600*1024px screen is very clear and large enough for easy touch. The intuitive operation interface with different operation modes, power level, optic fiber tips and time selections allows users to use, adjust and save data easily.

-Flexible With Built-in Battery

Berylas can be used in different treatment scenarios with the built-in rechargeable battery. So it can continue working for longtime without worrying about power supply.

Three Best 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.

-450nm Diode Laser

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 Diode Laser

The 650nm laser can be well absorbed by melanin, ensuring a high dose 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 Diode Laser

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

Compared to traditional infrared laser, which is only based on hemoglobin absorption and not on water absorption, Berylas dental laser has so many surgical advantages by using 450nm as main wavelength. It providing more precision, pain relief and faster healing in the treatment.

Friendly Design For Dentists And Patients

The Berylas is easy to use and can meet a wide range of requirements in dental clinical treatment, bringing more convenience and comfort for the dentists and patients.

-Easy To Use Preset

Berylas offers preset for the most common dental laser applications that users can operate processes in a few clicks.

-Multiple Wavelengths And Power Selection

You can select the functional wavelengths and power you need for more than 20 dental clinical indications.

-Create Individual Settings And Save Favorites

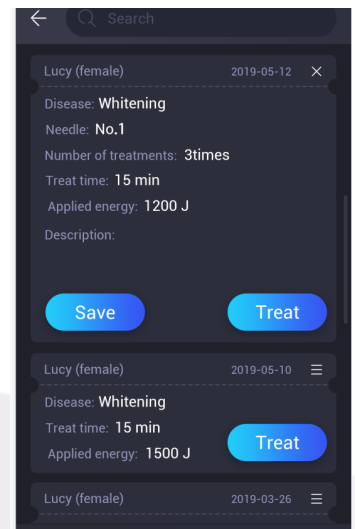
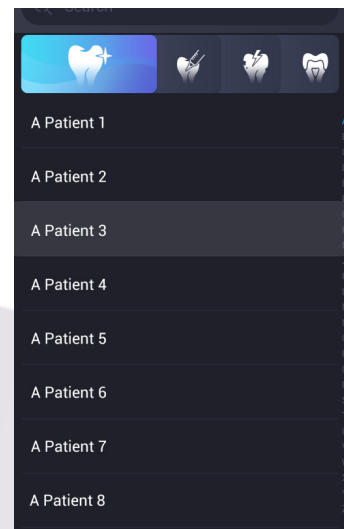
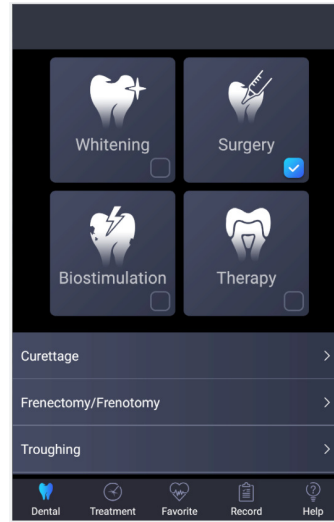
The customized creation and saves of specific requirements can be achieved for the purpose of accessing them directly and working more efficiently.

-Treatment Record

For every treatment, the patient name, date, application and exact parameters can be saved as documents.

-Self-learning By Android System

You can view the user manual, operating instructions and updated videos from the Help icon.



Main Clinical Advantages:

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

Various Dental Clinical Application of BeryLas



🦷 Soft-tissue:

- Excisional & Incisional Biopsies
- Fibroma Removal
- Gingival Troughing for Crown Impressions
- Gingival Incision & Excision
- Implant Recovery
- Pulpotomy as an Adjunct to Root Canal Therapy
- Soft-Tissue Crown Lengthening
- Operculectomy & Vestibuloplasty
- Treatment of Canker Sores, Herpetic & Aphthous Ulcers of the Oral Mucosa
- Exposure of Unerupted Teeth
- Frenectomy & Frenotomy
- Gingivectomy & Gingivoplasty
- Hemostasis & Coagulation
- Incision & Drainage of Abscess
- Reduction of Gingival Hypertrophy
- Leukoplakia & Oral Papillectomies

🦷 Periodontal:

- Sulcular Debridement
- Laser Soft-Tissue Curettage
- Removal of Highly Inflamed Edematous Tissue affected by Bacteria Penetration of the Pocket Lining & Junctional Epithelium

🦷 Whitening:

- Laser Assisted Whitening/Bleaching of Teeth
- Light Activation for Bleaching Materials

🦷 Others:

- Low Level Laser Therapy (LLLD)

Berylas In Practice

Fibroma

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



Before



Directly after



Two weeks later

Frenectomy

-Easy application, better coagulation, less bloodless



Before



Directly after



Four weeks later

Gingival Pigmentation

-Less swelling and pain, esthetic effect



Before



Directly after



Four weeks later

Convenient whitening

- Professional dental cleaning
- Application of the gum protection
- Application of the laser white gel
- 20-30 minutes laser lighting
- Removal the gel from the teeth



Full Accessories For Different Clinical Requirements



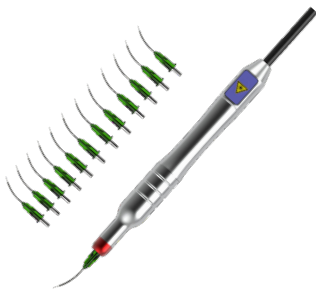
●Therapy handpiece



●Bio-stimulation handpieces



●Whitening handpiece



●Multi-functional handpiece with disposable tips



●Safety goggles



●Foot switch

Technique Specification:

Product Model	Berylas D3C
Laser Type	GaAIAs Diode
Laser System	Class IV
Wavelength	450nm,650nm,980nm
Power	4W,200nW,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
Control Mode	True Color Touch Screen(7 inches,resolution 600*1024)
Transmission System	Medical Fibers With SMA905 Connector
Power Supply	100V-240V~2.0a
Dimensions	160(W)*180(L)*235(H)
Weight	2.1KG



FDA CE 2797



Wuhan Dimed Laser Technology Co., Ltd.

- WEB: www.dimedlaser.com
- EMAIL: sales@dimedlaser.com rachel@dimedlaser.com
- TEL: +86 27 59706606
- WhatsApp: +86 15927514550
- ADD: 3rd Floor, GuoZhi Building, Great Wall Innovative Science Park, #327 Minzu Avenue, Wuhan, 430223, Hubei, China.