



# MULTIPLE WAVELENGTHS Diode Dental Laser System



BEAUTY **BL** LIGHT

BEIJING BEAUTYLIGHT SCIENCE AND TECHNOLOGY CO.,LTD

age



# Multi-wavelength Diode Dental Laser System



## 450nm

The 450nm blue laser has much higher absorption in soft-tissue to increase the tissue temperature to vaporize than other infrared wavelength. No fiber initiation is required and non-contact cutting during the treatment to improve the soft-tissue cutting efficiency. The collateral thermal damage is extremely low due to its high degree of absorption in hemoglobin.

## 635nm

The 635nm red light laser is used for photobiomodulation, also known as Low Level Laser therapy. It passes through the skin barrier and is absorbed by the cells where it initiated physiological reactions within the mitochondria. It can be used for wound healing and biostimulation of dental practice.

## 810/980nm

The 810/980nm is a traditional infrared laser, versatily used in all dental and oral treatments. It offers great practice on periodontal, endodontic, and hygiene treatments.



### Blue 450nm – Surgery

Faster Cutting Efficiency and Coagulation(Hemostasis). Least Collateral Thermal Damage.

### Red 635nm – Photobiomodulation

LLLT (Low Level Laser Therapy) /Photobiomodulation for Faster Wound Healing and Pain-free Dental Treatments.

### Infrared 810/980nm – Perio, endo & Hygiene

Infrared – Deeper Penetration for remarkable Disinfection in Periodontal and Endodontic Diseases.



# Intelligent software navigation, get started quickly:



- 8-inch touch screen and clear UI design;
- 5 categories, 40+ specific presets ;
- Visual and flexible adjustment of parameters.



LumiSmile Laser is generally indicated for incision,excision,vaporization ,ablation and coagulation of oral soft tissues including the following

Oral Surgery	Periodontal Therapy	Endodontics	Laser Therapy	Aesthetic Procedures
<ul style="list-style-type: none"> <li>• Excision of benign lesion</li> <li>• Frenulectomy</li> <li>• Herpetic Lesion</li> <li>• Biopsy of oral soft tissue</li> <li>• Hemangioma-Superfical /Venous lake</li> <li>• Lip Fibroma</li> <li>• Tongue-Fibroma</li> <li>• Tongue-Hyperlasia</li> <li>• Melanocyltic Nevus/Buccal mucosa</li> <li>• Mucocele</li> <li>• Benign migratory glossitis geo-graphic tongue</li> </ul>	<ul style="list-style-type: none"> <li>• Fiberotomy</li> <li>• Peri-implantitis</li> <li>• Hemostasis</li> <li>• Gingival Troughing</li> <li>• Crown Lengthening</li> <li>• Exposure of an Unerupted tooth</li> <li>• Gingivectomy</li> <li>• Anatomical crown exposure</li> <li>• Surgical access of an unerupted tooth</li> </ul>	<ul style="list-style-type: none"> <li>• Endodontic Therapy</li> <li>• Periapical abscess</li> <li>• Canals Sterilization</li> <li>• Pulpal Therapy</li> <li>• Pulp Cap-Direct</li> <li>• Pulp Cap-Indirect</li> <li>• Pulpitis/S.L.T.</li> </ul>	<ul style="list-style-type: none"> <li>• Pain Relief (Facial / Neuralgia)</li> <li>• Biostimulation</li> <li>• Desensitization</li> <li>• Chapped Lips/Soft laser therapy</li> <li>• Benign migratory glossitis /geographic tongue</li> <li>• Angular cheilitis</li> <li>• Aphthous Ulcer</li> <li>• Blistered Tissue</li> <li>• Herpetic lesion</li> <li>• Inflammatory hyperplasia</li> <li>• Tinnitus/vertigo</li> </ul>	<ul style="list-style-type: none"> <li>• Bleaching</li> <li>• Hyperpigmentation Removal</li> <li>• Melanin Pigmentation</li> </ul>



# Accessories



Therapy tip



Photobiomodulation tip



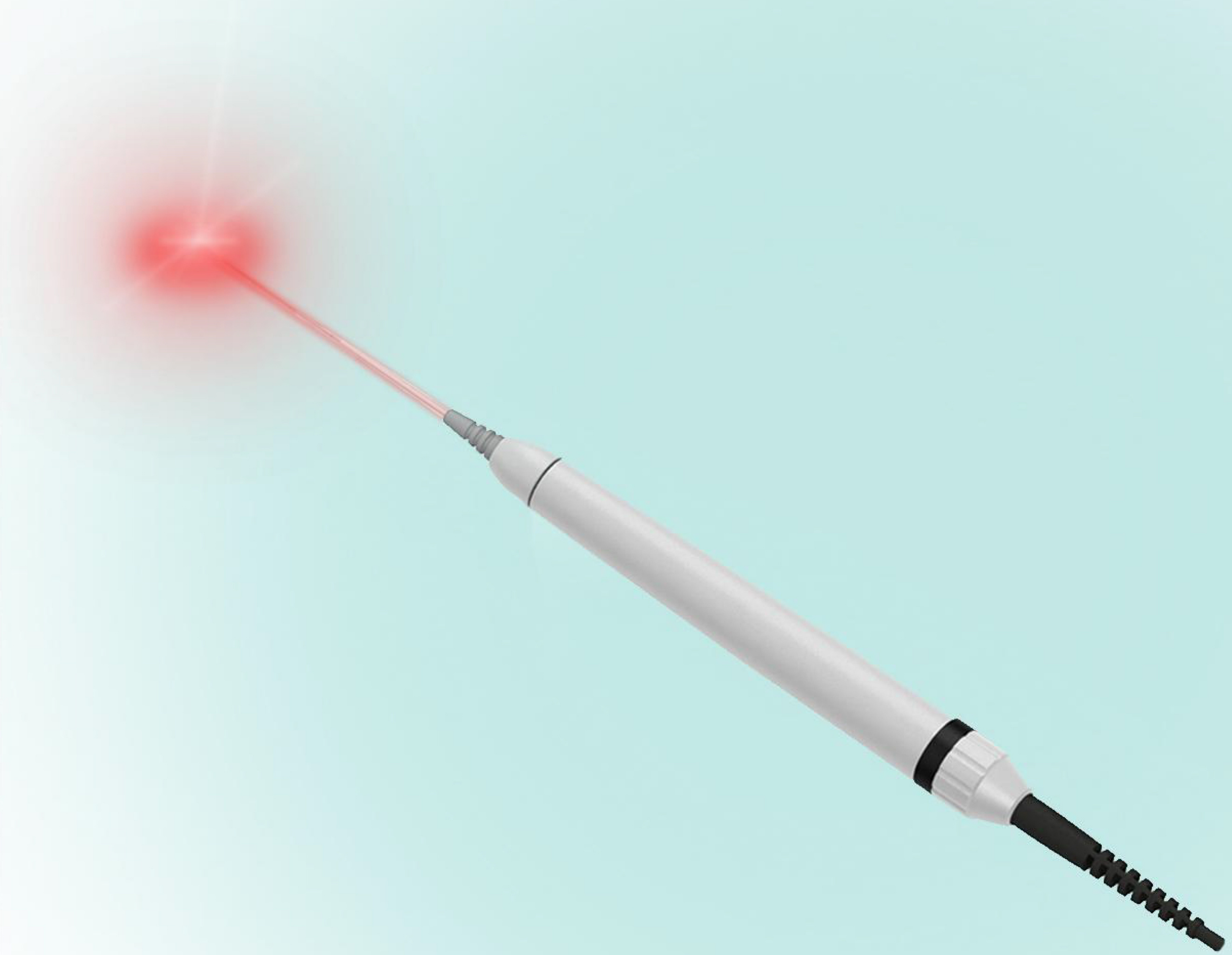
Disposable fiber



Bleaching tip

## Accessories List

- Multi-function Handpiece with 2-meter fiber (SMA 905 Connector)
- Disposable tip 300um (5 pieces)
- Disposable tip 400um (5 pieces)
- Bleaching tip
- Photobiomodulation tip
- Therapy tip
- Protective goggles (2 pieces)
- Protective blinder
- Wireless foot control



Multi-functional handpiece

# Specifications

Laser Type	High powered solid-state diode module	Clinical support	40+ presets
Frequencies	Continuous Wave (CW) Repeat up to 10,000Hz	Display	8-inch touch screen
Wavelength and power	450nm ± 5% / 0.1-4.0 W (CW) ; 635nm ± 5% / 10mW-200mW ; 810nm or 980nm ± 5% / 0.1-8.0W (CW)	Weight & Dimensions	3Kg 220*220*180(mm)

