

# iLaser 1

The World First Smart  
Triple Wavelength Diode Laser



- **Blue Wavelength 450nm**

- Tooth Whitening**

- Hemostasis pretty high photon energy for

- activating the molecules of whitening gel

- Efficiency of all dental diode laser

- **Infrared Wavelength 980nm**

- Soft tissue surgical procedure, Endo**

- & Perio**

- Efficiency and Coagulation (Hemostasis) at very low power settings

- High efficiency of anti-bacterial and anti-inflammatory

- High power laser treatment(HPLT)

- Pain reduction in TMJ

- **Red Wavelength 650nm**

- Photobiomodulation**

- Perfect for Photomodulation(PBI)

- Low Level Laser Therapy(LLLT)

- Faster Wound Healing

- Pain-free Dental Treatments



| Specialty      | Periodontic Germ Reduction     | 450nm | 650nm | 980nm |
|----------------|--------------------------------|-------|-------|-------|
| Periodontology | Periodontic Germ Reduction     |       |       | ★★★★  |
|                | Peri-implantitis               |       |       | ★★★   |
| Endodontics    | Root Canal Disinfection        |       |       | ★★★   |
|                | Pulpotomy                      |       |       | ★★★★  |
| Oral Surgery   | Abscess                        |       |       | ★★★★  |
|                | Fibroma                        | ★★★★  |       | ★★    |
|                | Frenectomy                     | ★★    |       | ★★★   |
|                | Gingivectomy/Gingivoplasty     | ★★★★  |       | ★★★   |
|                | Implant Exposure(second stage) | ★★★★  |       | ★★★   |
|                | Crown Lengthening              | ★★★★  |       | ★★    |
|                | Incision/Excision              | ★★★★  |       | ★     |
|                | Hemostasis                     | ★★★★  |       | ★★    |
|                | Wound Healing                  | ★★★   | ★★★★  | ★★    |
|                | Other                          |       |       |       |
| Other          | Aphthous Ulcers                |       | ★★★   | ★★★★  |
|                | Desensitization                |       | ★★★★  | ★     |
|                | Tooth Whitening                | ★★★★  |       | ★★    |
|                | TMJ Disorders                  |       | ★★★★  | ★★    |



### Personal Laser Device

No external power cord or foot pedal needed during use-increase mobility & portability.  
(You can also connect a laser launch pedal, there are two modes to choose freely)The built-in long-life lithium battery can last for one month on a single charge.

### 7 inch Touch Screen:

Works with wet hands & medical gloves

### Multifunctional

More than 10 built-in preset programs

### Triple Wavelength

450nm + 650nm + 980nm



### Easy to operate

Handpiece has power adjustment button

## • Fiber Optic Tip Models of Dental Diode Laser



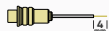
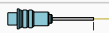
### Whitening Handpiece for Teeth

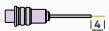
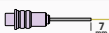
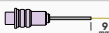
Whitening/bleaching. treats an entire quadrant consistently and comfortably



### TMJ Handpiece

For pain management in TMD

| Non-initiated                                                                       | Models |       | Length | Intended    |
|-------------------------------------------------------------------------------------|--------|-------|--------|-------------|
|  | F4-4   | 400um | 4      | Surgery     |
|  | F4-7   | 400um | 7      | Periodontal |
|  | F4-9   | 400um | 9      | Periodontal |
|  | F2-14  | 200um | 14     | Periodontal |
|  | F2-20  | 200um | 20     | Root Canal  |

| Pre-initiated                                                                       | Models | 4     | Length | Intended    |
|-------------------------------------------------------------------------------------|--------|-------|--------|-------------|
|  | PF4-4  | 400um | 4      | Surgery     |
|  | PF4-7  | 400um | 7      | Periodontal |
|  | PF4-9  | 400um | 9      | Periodontal |

Disposable Tips Available in two different sizes:200m 400m

## • iLaser in Practice

### Frenectomy

- Interventions involving low levels of pain and bleeding
- Immediate hemostasis
- No sutures and less scars, accelerated wound healing
- Often no more than surface anesthesia required, virtually no post-operative discomfort



Before



Directly After



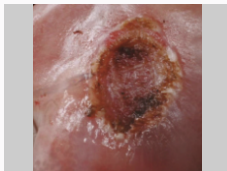
Healing

### Proliferative Excision

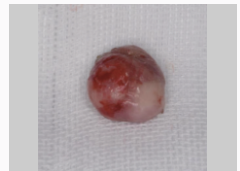
- Removal of the mucosal lesion
- Direct coagulation without sutures
- Non-irritated wound area with no secondary bleeding
- Reduced scar formation



Before



Directly After



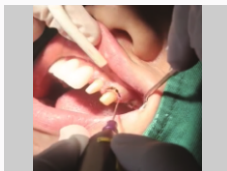
Healing

### Gingivoplasty

- Easy visualization of clean contours



Before



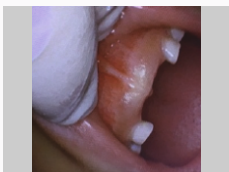
Directly After



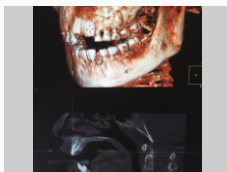
Healing

### Help to sprout

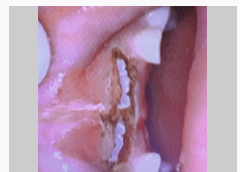
- No need to bleed and stitch
- Easy to help teeth grow



Before



Directly After



Healing

## Specifications

|                          |                                                                 |
|--------------------------|-----------------------------------------------------------------|
| Wavelength               | 450nm/650nm/980nm                                               |
| Wavelength & Max. Power  | 450nm: 3W CW; 5W Pulse<br>650nm: 400mW CW<br>980nm: 8W CW/Pulse |
| Emission Mode            | CW/ Pulse                                                       |
| Medium                   | InGAsP Diode                                                    |
| Optic Fiber Diameter     | 200/400um                                                       |
| Pulse Width              | 10us 900ms                                                      |
| Super High Frequency     | 50KHz                                                           |
| Display                  | 7" OLED Touch-Screen                                            |
| Dimension                | 190mm*155mm*260mm                                               |
| Weight                   | 1.5Kg                                                           |
| Aiming Laser Wave Length | 650nm                                                           |
| Battery                  | Built-in Rechargeable Li-ion                                    |
| Battery Capacity         | 7200mAh                                                         |