



TriLux Laser Pro DualSync



DualSync



The 450nm and 980nm bands can be turned on at the same time, and higher working efficiency can be achieved with lower power, less thermal damage to the wound, and shorter healing time



Features



Triple Wavelength

Combines 450nm, 635nm, and 980nm wavelengths

Touch Screen

8-inch OLED touch screen works with wet hands and medical gloves

Ease of Operation

Handpiece features a power adjustment button

Fibre Optic Tip Models

Available for various dental diode laser applications.



Battery Life

Built-in long-life lithium battery lasts for one month on a single charge

Applications



Oral Surgery

- Abscess
- Fibroma
- Frenectomy
- Crown Lengthening
- Haemostasis
- Gingivectomy/Gingivoplasty
- Implant Exposure (second stage)
- Incision/Excision
- Wound Healing



Periodontology

- Periodontic Germ Reduction
- Peri-implantitis



Endodontics

- Root Canal Disinfection
- Pulpotomy



Oral Implantology Prosthodontics

- TMJ Disorders



Oral Aesthetics

- Tooth Whitening



Mucosal Pathology

- Aphthous Ulcers
- Desensitisation



Orthodontics Pediatric Dentistry

Triple Wavelength

Combines 450nm, 635nm and 980nm wavelengths

450
nm

Blue Wavelength (450 nm)

- Tooth Whitening: High photon energy activates whitening gel molecules efficiently.
- Haemostasis: Effective in achieving haemostasis.
- Dental Diode Laser Efficiency: High efficiency in all applications.

635
nm

Red Wavelength (635 nm)

- Photobiomodulation: Perfect for photomodulation (PBM).
- Low-Level Laser Therapy (LLLT): Promotes faster wound healing and pain-free dental treatments.

980
nm

Infrared Wavelength (980 nm)

- Soft Tissue Surgical Procedures: Ideal for endodontic and periodontal treatments.
- Efficiency and Coagulation: Achieves hemostasis at very low power settings.
- Antibacterial and Anti-inflammatory: Highly effective.
- High Power Laser Treatment (HPLT): Suitable for various treatments.
- Pain Reduction in TMJ: Effective in reducing temporomandibular joint pain.

Multifunctional

Over 10 built-in preset programmes

980nm				
	Power(W)	Pulse Width	Duty Cycle	Times
Hemostasis	1	/	/	30
Peri-implantitis	1	/	/	30
Perio-Germ Reduction	1	100ms	30%	30
Desensitisation	0.5	/	/	30
Laser therapy	0.5	/	/	30
Dental ulcer	0.5	/	/	48
Abscess	1	/	/	30
Gingival troughing	1.5	/	/	30
Implant Exposure	1.5	/	/	30
Sulcular Debridement	1.5	200	50%	30
Pulpotomy	1.5	100	50%	30
Gingivoplasty	1.5	/	/	30
Cyst	1.5	/	/	30
Angioma	1.5	/	/	30
Frenctomy	2.5	/	/	30
Endo.Germ Reduction	1	/	/	30
Laser-assisted whitening	1	/	/	30
Establish a drainage Path	2	/	/	30

635nm				
	Power(W)	Pulse Width	Duty Cycle	Times
Promote wound healing	0.2	/	/	30
Desensitization to Hot and Cold teeth	0.2	/	/	30
Tooth Desensitization	0.2	/	/	30
Relieve the Burning Mouth	0.2	/	/	30

450nm				
	Power(W)	Pulse Width	Duty Cycle	Times
Removal of labial or sublingual tissue	2	/	/	30
Removal of epulis tissue	2	/	/	30
Removal of fibroma tissue	2	/	/	30
Gingivectomy	2	/	/	30
Gentle removal of soft tissues for biopsy	2	/	/	48
Second stage implant exposure	2	/	/	30
Soft tissue crown Lengthening	2	/	/	30
Gingival troughing for crown impressions	2	/	/	30
Hemostasis	2	/	/	30
Whitening Tooth	3	/	/	30

Personal Laser Device Features

Portability: No external power cords or laser firing pedals required, maximising mobility. An optional laser launch pedal connection is available with two selectable modes.

Customise the name

The device name can be customized, and you have a device exclusive to you



Ease of Operation

Handpiece features a power adjustment button
 No external power cords or laser firing pedals required, Maximising mobility. Optional laser launch pedal connection available with two selectable modes



Touch Screen

8-inch OLED touch screen works with wet hands and medical gloves



Optional



Whitening Handpiece For teeth
whitening/bleaching, treats an entire quadrant consistently and comfortably



TMJ Handpiece
For pain management in TMD



Pain Physical Therapy
30mm therapy applicator, primarily used for pain relief treatment



Non-initiated	Models	Diameter	Length	Application
	E4-4	400um	4	Surgery
	E4-7	400um	7	Periodontology
	E4-9	400um	9	Periodontology
	E2-14	200um	14	Root canal
	E2-20	200um	20	Root canal
Pre-initiated	Models	Diameter	Length	Application
	IE4-4	400um	4	Surgery
	IE4-7	400um	7	Periodontology
	IE4-9	400um	9	Periodontology

Disposable Tips: Available in two different sizes: 200 μm, 400 μm.

Specifications

Wavelengths	450nm, 635nm, 980nm
Maximum Power	450nm: 3W CW 635nm: 200mW CW 980nm: 8W CW/Pulse
Emission Mode	CW/Pulse
Medium	InGaAsP Diode
Optic Fiber Diameter	200/400um
Pulse Width	10us to 900ms
Super High Frequency	50KHz
Display	8-inch OLED Touch-Screen
Dimensions	190mm x 155mm x 260mm
Weight	1.5Kg
Aiming Laser Wavelength	635nm
Battery	Built-in rechargeable lithium-ion
Battery Capacity	7200mAh