

HIGH PRECISION AND VERSATILITY IN POCKET SIZE

Small size, optimal power










POCKET LASER with its 6 watts of power represents, among small lasers, one of the most powerful machines. Its small size and lightness, only 800 grams, make it extremely easy to transport to different workplaces. The wireless pedal with long-life battery allows “hands free” use, increasing freedom of movement.




The resistive touch screen allows the operator to interact with the device even while wearing gloves, or even letting him touch the screen with gauze or tools. It can also be used with disposable, sterile adhesive protective films, which make it safe, ensuring maximum hygienic control.

POCKET LASER is equipped with multiple accessories that makes it suitable for every clinical application.

FOCUS

POCKET LASER has programs specifically designed and implemented for the following areas of intervention and applications:

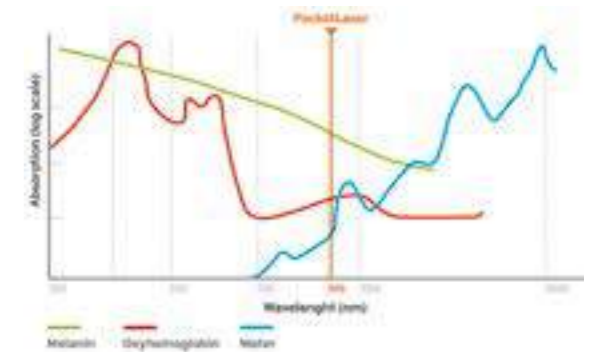
-  **PERIODONTOLOGY**
-  **ENDODONTICS**
-  **SURGERY**
-  **PROSTHESIS**
-  **BIOSTIMULATION**
-  **CONSERVATIVE**
-  **IMPLANTOLOGY**
-  **DECONTAMINATION**
-  **LOW LEVEL LASER THERAPY AND HIGH POWER LASER**

-  **BLEECHING**
-  **DESENSITIZATION**
-  **AESTHETIC MEDICINE**



915 nm: the ideal wavelength

POCKET LASER is a one-of-a-kind diode laser with a wavelength of 915 nm, specifically designed for use on soft tissue. The choice of this wavelength is not random. It is, in fact, one of the wavelengths with the greatest penetrating power, with an excellent intersection: low melanin level (maximum effectiveness), low water level (less pain and disinfectant function) and medium haemoglobin level (good cut) - see graph on the right.



“Experimental study on mucosal incision with molecular quantum resonance scalpel: biophysical and histological evaluation.” - Ital Oral Surg. 2012 Apr.

P. Vescovi, M. Meleti, L. Corcione, E. Merigo, M. Manfredi, C. Fornaini










Thanks to its different conditions of use, continuous pulsed and super-pulsed, **POCKET LASER** allows excellent effectiveness in analgesic treatments and resolution of inflammatory processes. Experimental evidences have demonstrated a regenerative biological action.

Wide variety of clinical programs

POCKET LASER is equipped with 70 pre-set clinical programs, making it the ideal instrument for those approaching the diode laser for the first time. It is a device that allows great flexibility, since it rapidly presents numerous memory spaces available for the experienced dentist and hygienist, who can autonomously implement new programs and customize those already present.

The **POCKET LASER** clinical programs are constantly being developed and updated.

Why choose Pocket Laser?

-  Latest generation diode laser
-  Extremely performing
-  High precision and versatility
-  Very small size, making it a portable device
-  Improved field of view and greater safety
-  Minimum invasiveness
-  Rapid healing without scarring outcomes
-  Less use of anaesthetics
-  High degree of haemostasis, resulting in an improved field of view



Data sheet

Power supply	
Internal power supply	Rechargeable battery, 3.7 V, 4.2 Ah, single cell, Lithium polymer
External power	Input: single phase 100-240 Vac, 50-60 Hz, 0.4 A; output: 5 V, 4 A
Type of laser	
Laser Power	Diode AlGaAs LASER, CW and pulsed, 915 nm (± 10 nm), 6 W ($\pm 20\%$) to the fiber, class 4
Pilot beam	Diode AlGaAs LASER, CW, 635-660 nm, 3mW max (to the fiber), class 3 R
OPTICAL FIBERS	
Type of fiber	Fibers: core = silica, reflecting layer (cladding) = hard polymer, protective sheath = tefzel (EFTE); N.A.= 0.37; applicable diameters = 200-300-400 μ m; Nominal beam divergence = $F = \arcsin(N.A.) = 20.5^\circ = 0.36$ rad
Fiber connector	SMA-905
Fiber maximum power	6 W ($\pm 20\%$)
Characteristics of pulsed operation	
Frequency	Frequency = 20-15000 Hz - duty-cycle = 5-95%
Electrical protection	
Type	EN 60601-1 class II
Degree	EN 60601-1 BF
Protection against penetration of liquids	
Degree	IP20 POCKET LASER - IP21 Wireless pedal
Dimensional characteristics	
Dimensions (WxHxD)	101x167x42 mm (69 mm of depth at opening)
Weight	800 g
Electromagnetic compatibility	
Emissions	EN 60601-1-2 class B compliant
Immunity	EN 60601-1-2 class B compliant
Conditions of use	
Directions for use	Continuous. Temporary charge
Use in presence of flammable gases, oxygen and nitrogen	Not suitable
Storage conditions	
Temperature	from -10 to + 50 Celsius degrees
Humidity	%Rh < 80% non-condensing
Pressure	> 630 hPa
Operating conditions	
Temperature	from -10 to + 40 Celsius degrees
Humidity	%Rh < 80% non-condensing
Pressure	700-1100 hPa




photo above - Advanced Kit

POCKETLASER

HIGH PRECISION AND VERSATILITY
IN POCKET SIZE

- C** Contact handpiece and related accessories
- S** Silver handpiece and related accessories
- Z** Sapphire handpiece and related accessories

			1	2	3	4
		PRICE	KIT 1 Advanced code PL-ADV-PLD6W EURO 6,300.00	KIT 2 Advanced Plus code PL-ADV-PLD6W-P EURO 6,300.00	KIT 3 Professional code PL-PRO-PLD6W EURO 7,000.00	KIT 4 Professional Plus code PL-PRO-PLD6W-P EURO 7,000.00
STARTER KIT code PL-STA-PLD6W			✓	✓	✓	✓
<ul style="list-style-type: none"> • POCKET LASER with 70 pre-set clinical programs • Wireless pedal with long-life battery • Power supply kit for charging lithium batteries for pocket laser unit and wireless foot control unit • No. 2 white glasses with green protection lens 810/1064 nm usable also with eyeglasses • PPE for NIR diode laser • Black cardboard for fiber tip activation • USB pendrive with user manual • Warranty according to law • Carrying case 			✓	✓	✓	✓
CONTACT SATIN-FINISH HANDPIECE code PL-FT000022	C	EURO 150.00	✓	✗	✓	✗
For the reduction of reflections, autoclavable, detachable and universal, with a Luer Lock coupling safe and compatible with every fiber diameter. Usable with HCP or ULS fibers						
SET OF 20 DISPOSABLE WHITE MAC TIPS code PL-FT000015	C	EURO 30.00	✓	✗	✓	✗
Non-sterile angled disposable tips compatible with Luer Lock coupling						
FIBER CUTTER KIT code PL-LDA00013	C	EURO 70.00	✓	✗	✓	✗
Useful tool for the cutting, management, measurement and maintenance of HCP/ULS optical fibers of different diameters						
2 MT 200 µm HCP OPTICAL FIBER code PL-LPA00200	C	EURO 194.00	✓	✗	✓	✗
with SMA 905 coupling. Optical fiber with high resistance polymeric coating. Universal, endodontics. Autoclavable						
2 MT 400 µm HCP OPTICAL FIBER code PL-LPA00400	C	EURO 230.00	✓	✗	✓	✗
Optical fiber with high resistance polymeric coating. Universal, surgery. Autoclavable						

POCKETLASER

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		PRICE	KIT 1 Advanced	KIT 2 Advanced Plus	KIT 3 Professional	KIT 4 Professional Plus
SILVER HANDPIECE code PL-HPD-311S08-S <small>With SMA 905 coupling, for the use of different autoclavable tips: interchangeable tips with integrated 200-300-400 µm optical fibers, intra and extra oral biostimulation tip and arc whitening tip</small>	S	EURO 550.00	✓	✓	✓	✓
ARC WHITENING TIP code PL-W670	S	EURO 150.00	✗	✓	✗	✓
TIP FOR INTRAORAL BIOSTIMULATION code PL-B670-8A	S	EURO 150.00	✗	✓	✗	✓
TIP FOR EXTRAORAL BIOSTIMULATION code PL-TM670	S	EURO 150.00	✗	✓	✗	✓
COLLIMATED TIP code PL-TM670-10 <small>Defocused tip with collimated lens for biostimulation, low level laser therapy, high power laser therapy and whitening. Sterilizable.</small>	S	EURO 195.00	✓	✗	✓	✗
N. 3 LASER TIPS PACKAGES of 5 tips each, a package for each type:						
TIP LASER 200 µm – package of 5 pieces code PL-TP-200-15-S <small>Multipurpose tip with integrated autoclavable and reusable optical fiber. The tips can be inserted and removed from the silver handpiece quickly and easily. Tip length: 15 mm</small>	S	EURO 48.00	✗	✓	✗	✓
TIP LASER 300 µm – package of 5 pieces code PL-TP-300-10-S <small>Multipurpose tip with integrated autoclavable and reusable optical fiber. The tips can be inserted and removed from the silver handpiece quickly and easily. Tip length: 10 mm</small>	S	EURO 48.00	✗	✓	✗	✓
TIP LASER 400 µm – package of 5 pieces code PL-TP-400-10-S <small>Multipurpose tip with integrated autoclavable and reusable optical fiber. The tips can be inserted and removed from the silver handpiece quickly and easily. Tip length: 10 mm</small>	S	EURO 48.00	✗	✓	✗	✓
SAPPHIRE HANDPIECE code PL-LHC3000 <small>With SMA 905 coupling. Surgical handpiece for sapphire tips, supplied with SAPPHIRE TIPS ADAPTER (CODE PL-LPC3002). One-of-a-kind, it combines the characteristics of the cold blade scalpel with the advantages of the laser.</small>	Z	EURO 495.00 + 285.00 (HANDPIECE + ADAPTER)	✗	✗	✓	✓
CONICAL SAPPHIRE TIP - Autoclavable code PL-ZCT500	Z	EURO 150.00	✗	✗	✓	✓
CHISEL SAPPHIRE TIP code PL-ZST600 <small>Flat prismatic tip, autoclavable</small>	Z	EURO 150.00	✗	✗	✓	✓

Other Accessories



2 MT 200 µm ULS OPTICAL FIBER

Code PL-LPA00201



ON REQUEST

With SMA 905 coupling. Ready-to-use optical fiber (without polymeric coating). Simple to use. Universal, particularly suited for endodontic applications. Autoclavable.

2 MT 320 µm ULS OPTICAL FIBER

Code PL-LPA00320



EURO 265.00

With SMA 905 coupling. Ready-to-use optical fiber (without polymeric coating). Simple to use. Universal, conservative, prosthesis. Autoclavable.



2 MT 300 µm HCP OPTICAL FIBER

Code PL-LPA00300



EURO 215.00

Con attacco SMA 905. Fibra ottica con rivestimento polimerico ad elevata resistenza. Universale, conservativa, protesi. Autoclavabile

2 MT 600 µm HCP OPTICAL FIBER

Code PL-LPA00600



EURO 286.00

With SMA 905 coupling. High resistance optical fiber with polymeric coating. Universal, conservative, prosthesis. Autoclavable.



FLAT WAVE TIP

Code PL-BT5008



ON REQUEST

Innovative defocused terminal with high performance for biostimulation, low level laser therapy, analgesic and anaesthetic therapy applications. IP



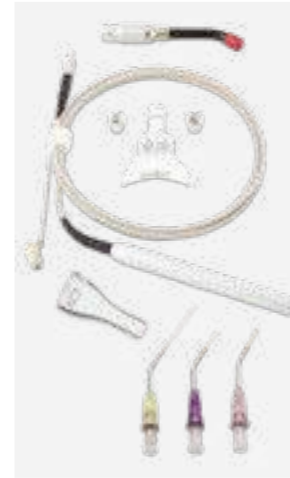
SAPPHIRE TIPS ADAPTER

Code PL-LPC3002



EURO 285.00

Already supplied when purchasing the sapphire handpiece



MULTIFUNCTIONAL KIT for biostimulation and whitening including tips - Code PL-MF-TIPS

EURO 1,000.00

- SILVER HANDPIECE - code PL-HPD-3112S08-S
- ARC WHITENING TIP - code PL-W670
- TIP FOR INTRAORAL BIOSTIMULATION - code PL-B670-8A
- TIP FOR EXTRAORAL BIOSTIMULATION - code PL-TM670
- NO. 3 LASER TIPS PACKAGES of 5 tips each, a package for each type: 200 µm (code PL-TP-200-15-S), 300 µm (code PL-TP-300-10-S) and 400 µm (code PL-TP-400-10-S)



WHITE GLASSES with green lenses

Code PL-LDA00105

EURO 165.00

For operators and patients, they allow complete protection and can be used with most eyeglasses' frames. PPE for NIR diode lasers. 2 pieces already supplied when purchasing the Starter Kit



POWER SUPPLY KIT

Code PL-RIC00310

EURO 79.00

Universal power supply for Pocket Laser units and wireless foot control. Already supplied when purchasing the Starter Kit



WIRELESS PEDAL

Code PL-RIC00305

EURO 476.00

Wireless pedal with long-life battery for "hands free" use. Each pedal is set to respond only to a single Pocket Laser unit. Already supplied when purchasing the Starter Kit



BATTERY FOR POCKET LASER UNIT

Code PL-RIC00309

EURO 80.00

4200 MAH, 3.7 V battery. Already supplied when purchasing the Starter Kit



CASE FOR POCKET LASER

Code PL-LDA00202

EURO 98.00

Carrying case for Pocket Laser and related accessories. Already supplied when purchasing the Starter Kit



CONTACT SATIN-FINISH HANDPIECE
code PL-FT000022



SET OF 20 DISPOSABLE WHITE MAC TIPS
code PL-FT000015



COLLIMATED TIP code PL-TM670-10



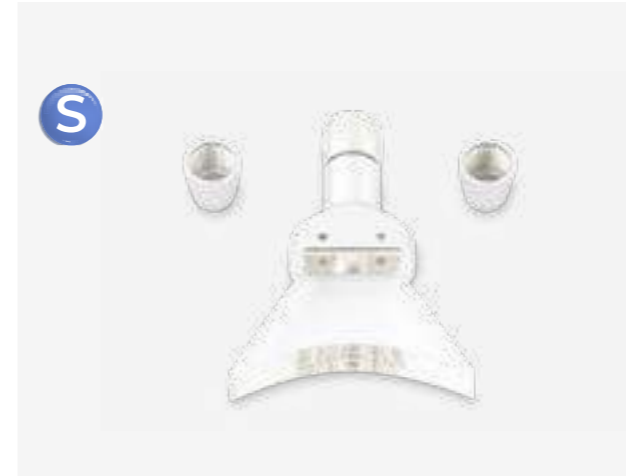
TIP FOR EXTRAORAL BIOSTIMULATION
code PL-TM670



FIBER CUTTER KIT code PL-LDA00013



SAPPHIRE HANDPIECE code PL-LHC3000



ARC WHITENING TIP
code PL-W670



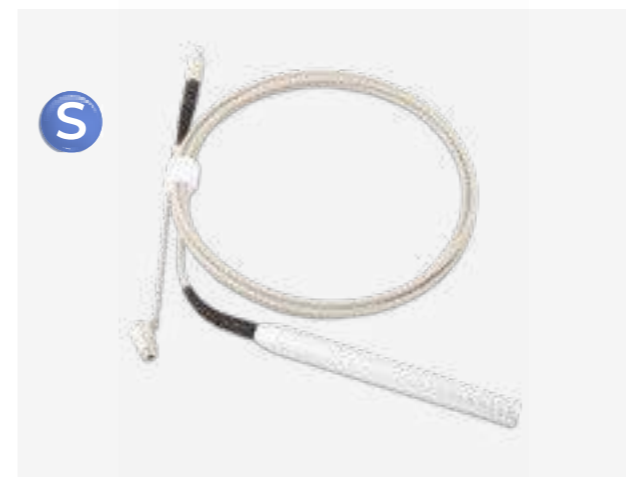
TIP FOR INTRAORAL BIOSTIMULATION
code PL-B670-8A



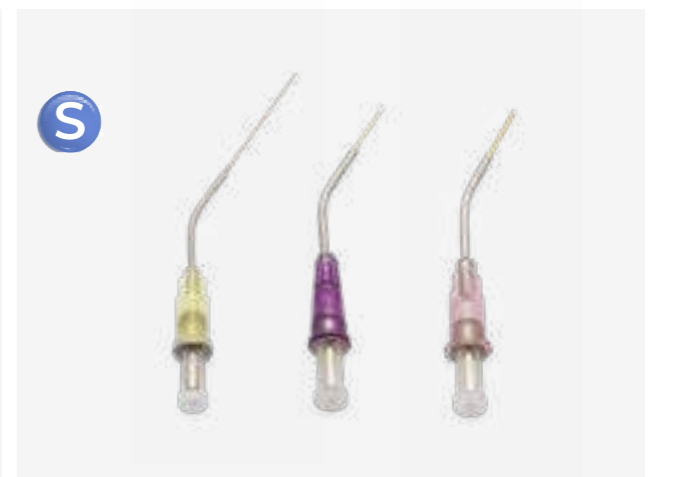
CONICAL SAPPHIRE TIP code PL-ZCT500



CHISEL SAPPHIRE TIP code PL-ZST600



SILVER HANDPIECE code PL-HPD-311S08-S



200 μm, 15 mm TIP LASER - code PL-TP-200-15-S
300 μm, 10 mm LASER - code PL-TP-300-10-S
400 μm, 10 mm LASER - code PL-TP-400-10-S