



88[®]
dent

POCKETLASER[®]

USER CATALOGUE 2025

Conctact

Via Pitagora, 11 - 20016 Pero MI
02 8853 501
www.88dent.com
info@88dent.com





THE DIGITAL WORKFLOW

Welcome to the **DIGITAL WORKFLOW**, a new dentistry to satisfy all patient needs

Nowadays the dental practice can count on many and various technologies, from intraoral scanners to CAD/CAM technology, which allow workflows to be partially or totally digitized. Supported by digital instruments, they are more agile and repeatable: the solutions are infinite and constantly evolving, every day more and more simple. Embracing this evolution allows you to show patients your will to be at the forefront, but also to increase your competitiveness and productivity. A virtuous circle of growth for the facility and practitioners

The digitalisation of the dental practice

A dental practice that wants to achieve high standards of efficiency and quality cannot avoid digitalisation. This process will result in a different relationship with patients, a working efficiency that is unthinkable with analogue means and a more adequate distribution of appointments during working hours. Only by combining medical skills with the latest generation digital technologies can we:

- 🦷 Reduce intervention times
- 🦷 Guarantee highly precise products
- 🦷 Manage manufacturing processes internally

This is a path that can be undertaken in various steps, a path that takes you far.

The Clinical line increases the productivity of the dental studio

The Clinical line allows the dental studio to cover all work phases: from the acquisition of dental impressions to the digital smile design, from dental modelling to milling, up to the 3D printing of the prosthetic products.

This means offering a range of opportunities to patients, specific to the digital world, which otherwise cannot be pursued with analogue systems. The dentist-patient relationship will undergo a transformation that will positively affect many aspects: from the acceptance of the proposed treatments to the speeding up of production processes, changing the timing within the dental studio and changing the use of the same by patients. Fewer sessions for the same treatments

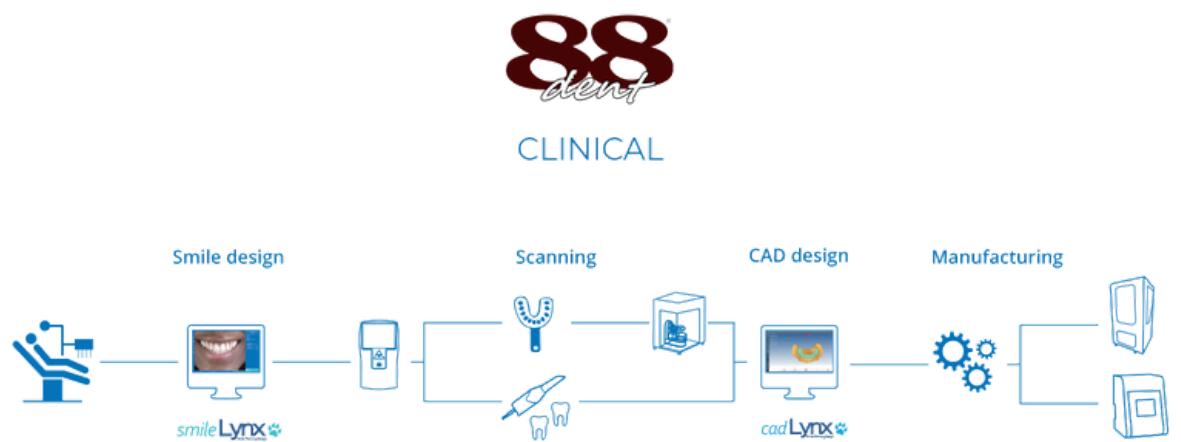
In-house production: with the Clinical line you can

Digitizing the workflow with the new range of Clinical solutions will make your practice more efficient and productive thanks to a smoother workflow: from the design phase to the finalization of the prosthetic products even in a single day, in some cases in a few hours. The transition from analogue to digital is an advantage for dental studios of all sizes. Greater efficiency will be welcomed both in large structures, which will make many activities more automatic, and in small studios, transforming them into more competitive realities, able to offer a greater number of services in less time without sacrificing quality and without increasing costs for production and for patients

A gradual transition from analog to digital

For those who prefer a gradual approach, which starts from the integration of digital with the equipment they already have, the products of the Clinical line are compatible with the majority of technologies and tools existing on the market.

The approach to technology will be simple: our experts will engage in active support in the learning phases of digital transformation, an exciting path that will lead you towards new goals.



The advantages of an intelligent choice

The advantages of the digital workflow are not only reflected in the efficiency of the dental studio, but also in the speed of the treatments and the quality of the final result. Patients will be able to say goodbye to unpleasant aspects, such as traditional impression-taking with the spoon, and even indecision concerning the treatments to undertake can be better managed thanks to the previsualization of the final result

Better patient management

Dental problems have a strong impact on the emotional sphere: indecision and fear of facing treatments can keep patients away. Thanks to new dental technologies, it is possible to reassure the patient on the final appearance of the restoration and guarantee him a quick return to normal with a beautiful and healthy smile

Better communication

Actively involving the patient in a personalized work plan means winning their trust. In just 10 minutes he can see the smile he will have at the end of the job and quickly decide to face the proposed treatments. Keeping an archive of the patient's smile from the first meeting also allows to guarantee a faithful reconstruction, in the event of daily life events that could damage the teeth.

Problem solving in a single session

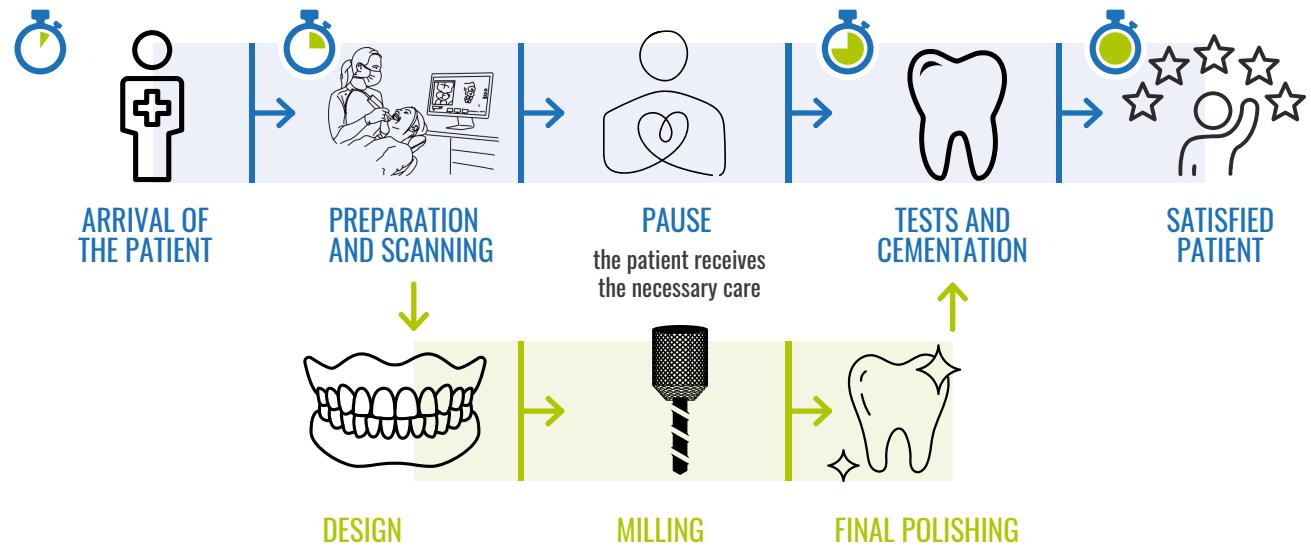
In the case of simple restorations, the practice is able to offer the patient an immediate solution, solving the problem in just over an hour.

No pre- and post-operative discomfort

Taking the impression using an intraoral scanner minimizes discomfort for the patient and the risk of inaccuracy or error. In the case of surgical treatments with Pocket Laser, the interventions will be quicker and less painful, with decidedly short recovery times.

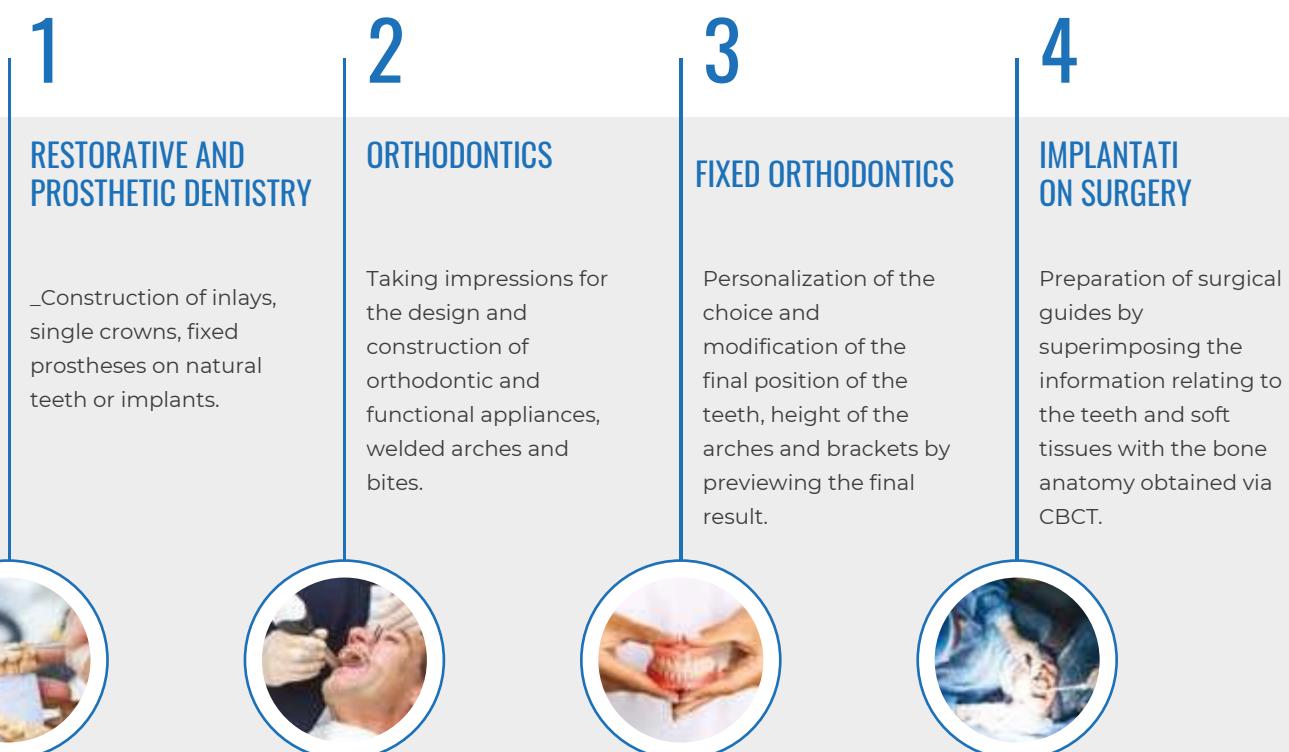
Time saving

Less chair occupancy time translates into greater profitability without penalizing the quality of the service offered.



A solution for every branch of dentistry

Digitalizing the workflow means implementing your professional services in every specialty of dentistry.



POCKET LASER

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. The dimensions and low weight, only 800 grams, make it extremely easy to transport to different workplaces. The wireless pedal with long-lasting 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 to touch the screen with gauze or instruments. It can also be used with disposable and sterile protective adhesive films, which make it safe for maximum hygiene control.

POCKET LASER is equipped with multiple accessories that make it suitable for any clinical application.

FOCUS

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

PERIODONTOLOGY

ENDODONTICS

SURGERY

PROSTHESIS

CONSERVATIVE

BIOSTIMULATION

IMPLANTOLOGY

DECONTAMINATION

LOW LEVEL LASER THERAPY AND HIGH POWER LASER THERAPY

WHITENING

DESENSITIZATION

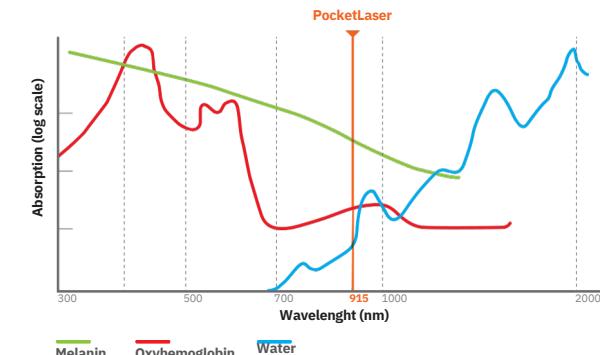
AESTHETIC MEDICINE



915 nm: the ideal wavelength

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

and disinfectant function) and average hemoglobin level (good cut) - see side graph. Thanks to its different modes of use, continuous pulsed and superpulsed, it allows excellent effectiveness in pain relief treatments and resolution of inflammatory processes. Experimental evidence has demonstrated a regenerative biological action.



"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

Wide variety of clinical programs

POCKET LASER is equipped with 70 pre-set clinical programs, which make it the ideal tool for those approaching diode laser for the first time. It is a device that allows great flexibility, since it immediately presents numerous memory spaces available to the expert dentist or hygienist, who will be able to independently implement new programs and customize those already present.

POCKET LASER clinical programs are constantly developing and updated.

Why choose Pocket Laser?



- 🦷 Latest generation diode laser
- 🦷 Extremely high performance
- 🦷 High precision and versatility
- 🦷 Very small dimensions, which make it a portable device
- 🦷 Improved visual field and greater safety
- 🦷 Minimally invasive
- 🦷 Rapid healing without scarring
- 🦷 Less use of anesthetic
- 🦷 High degree of haemostasis, with consequent improvement of the field visual

POCKET LASER

HIGH PRECISION AND VERSATILITY IN POCKET SIZE

Not only dental use but also aesthetic medicine

Modern dentistry is increasingly moving towards an aesthetic, conservative and minimally invasive approach, in order to guarantee satisfactory results for both the patient and the professional. The clinician often finds himself faced with situations in which the teeth present chromatic alterations (discolorations), and sometimes pigmentation occurs in the gums and oral mucosa. These changes in the colors of hard and soft tissues can have a significant impact on patient perception, causing relevant psychological and social consequences.

To address this aesthetic problem, there are several laser devices with specific wavelengths that can be used in a minimally invasive way. The diode laser with a power of 915 nm is an advanced technology that has also found wide use in the field of aesthetic medicine. This laser, known for its ability to operate in the near-infrared (NIR) wavelength, offers significant advantages when it comes to improving the aesthetic appearance of different areas of the body. One of the main uses of the 915 nm diode laser is the treatment of skin discoloration. These discolorations can be caused by various conditions, including hyperpigmentation, sunspots, superficial vascular lesions and other skin imperfections. The 915 nm NIR diode laser is able to penetrate deep into tissues without damaging the skin surface, making it ideal for treating skin discoloration without causing visible damage to the epidermis. This laser aims to selectively target the chromophore (pigment) responsible for discoloration, such as melanin in dark spots or hemoglobin in dilated blood vessels. This allows you to successfully resolve discoloration and improve the appearance of the skin safely and effectively. Another use of the 915 nm NIR diode laser is the treatment of varicose veins and small vascular lesions. This laser is able to coagulate the walls of dilated blood vessels or varicose veins, selectively closing them and thus reducing their visibility. This treatment is minimally invasive and requires less recovery time than traditional methods for treating varicose veins. In addition, 915nm NIR diode laser is also used for skin rejuvenation. Stimulates the production of collagen in the skin, improving skin elasticity and tone. This effect can reduce the appearance of wrinkles and fine lines, helping to achieve a younger, fresher appearance.

It should be emphasized that the use of the 915 nm diode laser for aesthetic purposes must be performed by highly qualified professionals, such as doctors and technicians specialized in aesthetic medicine, to ensure safe and effective results. Furthermore, it is important to undergo a preliminary evaluation to determine whether this treatment is appropriate for each patient's specific needs. In summary, the 915 nm diode laser is a versatile and powerful tool used in aesthetic medicine to improve the appearance of the skin, treat skin discoloration, reduce the visibility of varicose veins and promote skin rejuvenation. Thanks to its ability to operate selectively and minimally invasively, it has become an important resource in the world of aesthetic medicine.

The new legislation

The new legislation allows dentists to "practice non-invasive or minimally invasive aesthetic medicine activities on the upper third, middle third and lower third of the face".

The new publication in the Official Journal will lead to changes such as:

Article 2 of law 409/85 is amended, allowing the dentist to carry out non-invasive or minimally invasive aesthetic medicine activities on the upper third, middle third and lower third of the face.

Article 4, third paragraph of 409/85 is repealed, in this way the graduate in dentistry but also the graduate in medicine will be able to decide to enroll in both registers. For several years we have been bringing our experience to universities with prominent speakers to show the extraordinary potential of our POCKETLASER diode laser. Thanks to its various programs, it allows dentists and their dental team to use it to carry out numerous jobs, as well as in aesthetic medicine, such as:

- **TEETH WHITENING**
- **GUM WHITENING**
- **DESENSITIZE**
- **ENGRAVE**
- **REMOVE**
- **DISINFECT**
- **COAGULATE**
- **VAPORIZ**
- **BIOSTIMULATE**
- **LLLT - LOW LEVEL LASER THERAPY**
- **HPLT - HIGH POWER LASER THERAPY**
- **WHITENING**



POCKET LASER

Data sheet

Power

Internal power supply	Rechargeable battery, 3.7 V, 4.2 Ah, single cell, lithium polymer
External power supply	Input: single phase 100-240 Vac, 50-60 Hz, 0.4 A; Output: 5V, 4A max

Laser type

Laser power	AlGaAs LASER diode, CW and pulsed, 915 nm (± 10 nm), 6 W to fiber ($\pm 20\%$), class 4
Pilot beam	AlGaAs LASER diode, CW, 635-660 nm, 3 mW max (to fiber), class 3 R

Optical fibers

Fiber type	Fibers: core = silica, reflective layer (cladding) = hard polymer, protective sheath = tefzel (EFTE); N.A. = 0.37; applicable diameters = 200 μ m, 300 μ m, 400 μ m; Nominal beam divergence = F = arcsin (N.A.) = 20.5° = 0.36 rad
Fiber connector	SMA-905
Maximum fiber power	6W ($\pm 20\%$)

Pulsed operating characteristics

Frequency	Frequenza = 20-15000 Hz - duty-cycle = 5-95%
-----------	--

Electrical protection

Type	EN 60601-1 class ii
Grade	EN 60601-1 BF

Protection against liquid penetration

Grade	IP20 POCKET LASER - IP21 pedale wireless
-------	--

Dimensional characteristics

Dimensions (WxHxD) Weight	101x167x42 mm (69 mm depth at the top) 800 g
---------------------------	--

Electromagnetic compatibility

Emissions	EN 60601-1-2 compliant with class B EN
Immunity	60601-1-2 compliant with class B

Terms of use

Instructions for use	Continuous. Temporary load Not suitable
----------------------	---

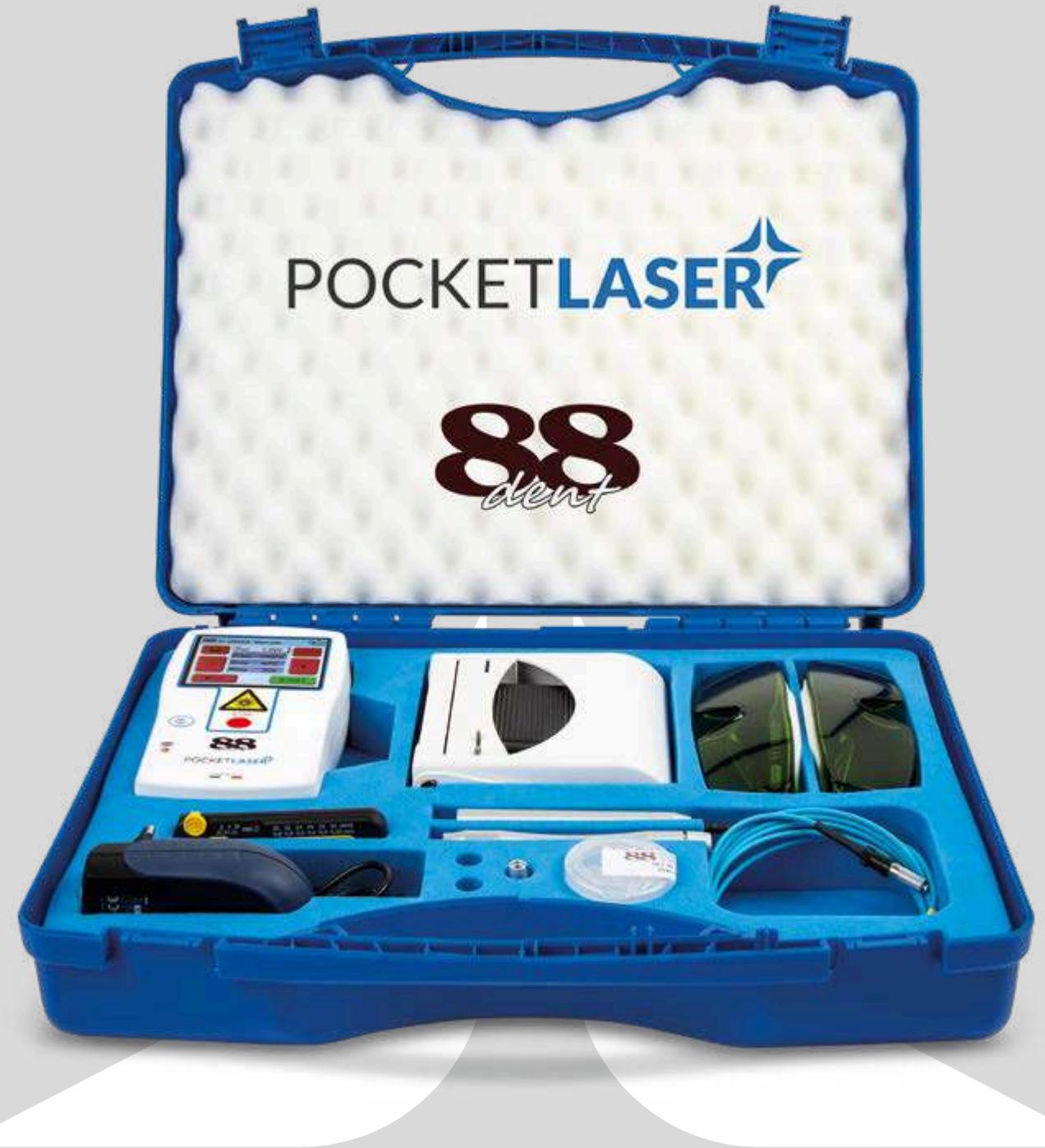
Use in the presence of flammable gases, oxygen and nitrogen

Storage conditions

Temperature	-10°C + 50°C %Rh < 80% non-condensing > 630 hPa
Humidity	
Pressure	

Operating conditions

Temperature	Da + 10 at + 40
Humidity	°c %Rh < 80%
Pressure	700-1100 hPa



HIGH PRECISION AND VERSATILITY IN POCKET SIZE

LEGEND

-  Contact handpiece and related accessories
-  Silver handpiece and related accessories
-  Zaffiro handpiece and related accessories

STARTER KIT cod. PL-STA-PLD6W

- POCKET LASER with 70 pre-set clinical programs
- Wireless foot pedal with long-lasting battery
- Power supply kit for recharging lithium batteries for pocket laser units and for wireless foot control
- No. 2 white glasses with green 810/1064 nm protective lenses that can be used with the DPI optical frame for NIR diode lasers
- Fiber tip preparation paper
- USB stick with user manual
- Legal warranty
- Case

SATIN CONTACT HANDPIECE cod. PL-FT000022

For the reduction of reflections, autoclavable, decomposable and universal, with safe Luer-lock connection and compatible with any fiber diameter. Can be used with HCP or ULS fibers

SET 20 DISPOSABLE NOZZLES WHITE MAC cod. PL-FT000015

Non-sterile disposable angled tips with luer-lock compatible coupling

FIBER CUTTER KIT cod. PL-LDA00013

Useful tool for cutting, management, measurement and maintenance of optical fibers, HCP/ULS of different diameters

HCP 200 OPTICAL FIBER μm 2 MT cod. PL-LPA00200

with SMA 905 connection. Optical fiber with high resistance polymer coating. Universal, endodontics. Autoclavable

HCP 400 OPTICAL FIBER μm 2 MT cod. PL-LPA00400

Optical fiber with high resistance polymer coating. Universal, surgery. Autoclavable

	COST	NEW				
		KIT GLOW-UP	KIT 1 Advanced	KIT 2 Advanced Plus	KIT 3 Professional	
STARTER KIT cod. PL-STA-PLD6W						
SATIN CONTACT HANDPIECE cod. PL-FT000022						
SET 20 DISPOSABLE NOZZLES WHITE MAC cod. PL-FT000015						
FIBER CUTTER KIT cod. PL-LDA00013						
HCP 200 OPTICAL FIBER μm 2 MT cod. PL-LPA00200						
HCP 400 OPTICAL FIBER μm 2 MT cod. PL-LPA00400						

HIGH PRECISION AND
VERSATILITY IN POCKET SIZE

		COST	KIT GLOW-UP	KIT 1 Advanced	KIT 2 Advanced Plus	KIT 3 Professional	KIT 4 Professional Plus
SILVER HANDPIECE cod. PL-HPD-311S08-S		EURO 550,00	✓	✓	✓	✓	✓
With SMA 905 connection. for the use of different autoclavable terminals: interchangeable tips with integrated 200-300-400 µm optical fibers, intra- and extra-oral biostimulation tip and whitening arc							
TERMINAL FOR ARC WHITENING cod. PL-W670		EURO 150,00	✓	✗	✓	✗	✓
INTRAORAL BIOSTIMULATION cod. PL-B670-8A		EURO 150,00	✓	✗	✓	✗	✓
TERMINAL FOR EXTRAORAL BIOSTIMULATION cod. PL-TM670		EURO 150,00	✓	✗	✓	✗	✓
COLLIQUATED TIP cod. PL-TM670-10		EURO 195,00	✗	✓	✗	✓	✗
Defocused terminal with collimated lens for biostimulation, low level laser therapy, high power laser therapy and whitening. Sterilizable.							
N. 3 PACKS OF LASER TIP of 5 pieces each, one per type:							
TIP LASER 200 µm – pack of 5 pieces cod. PL-TP-200-15-S		EURO 48,00	✓	✗	✓	✗	✓
Multipurpose tip with integrated autoclavable and reusable optical fiber. The tips can be inserted and removed from the silver handpiece with maximum convenience and speed. Tip length: 15 mm							
TIP LASER 300 µm – pack of 5 pieces cod. PL-TP-300-10-S		EURO 48,00	✓	✗	✓	✗	✓
Multipurpose tip with integrated autoclavable and reusable optical fiber. The tips can be inserted and removed from the silver handpiece with maximum convenience and speed. Tip length: 10 mm							
TIP LASER 400 µm – pack of 5 pieces cod. PL-TP-400-10-S		EURO 48,00	✓	✗	✓	✗	✓
Multipurpose tip with integrated autoclavable and reusable optical fiber. The tips can be inserted and removed from the silver handpiece with maximum convenience and speed. Tip length: 10 mm							
SAPPHIRE HANDPIECE cod. PL-LHC3000		EUR 495,00 + 285,00 (HANDPIECE + ADAPTER)	✗	✗	✗	✓	✓
With SMA 905 connection. Surgical handpiece for sapphire tips, supplied with ADAPTER FOR SAPPHIRE TIPS (CODE PL-LPC3002). One of a kind, it combines the characteristics of the cold blade scalpel with the advantages of the laser.							
CONICAL SAPPHIRE TIP CHISEL - Autoclavable cod. PL-ZCT500		EURO 150,00	✗	✗	✗	✓	✓
SAPPHIRE TIP Flat prismatic tip, autoclavable cod. PL-ZST600		EURO 150,00	✗	✗	✗	✓	✓



SATIN CONTACT HANDPIECE cod. PL-FT000022



SET 20 DISPOSABLE NOZZLES WHITE
MAC cod. PL-FT000015



COLLIAMATED TIP cod. PL-TM670-10



TERMINAL FOR EXTRAORAL BIOSTIMULATION
cod. PL-TM670



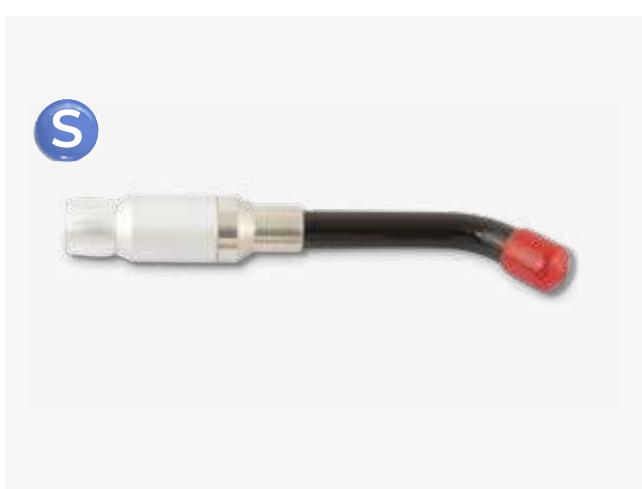
FIBER WOODWORK KIT cod. PL-LDA00013



SAPPHIRE HANDPIECE cod. PL-LHC3000



ARC WHITENING TERMINAL cod. PL-W670



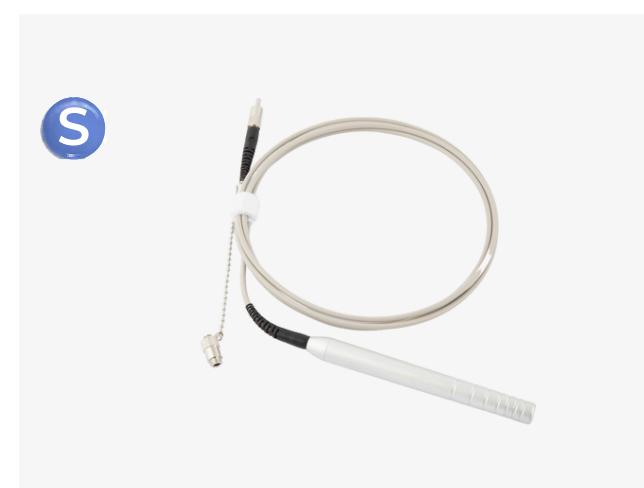
TERMINAL FOR INTRAORAL BIOSTIMULATION
cod. PL-B670-8A



CONICAL SAPPHIRE TIP cod. PL-ZCT500



SAPPHIRE CHISEL TIP cod. PL-ZST600



MANIPOLO SILVER cod. PL-HPD-311S08-S



TIP LASER 200 μ m, 15 mm cod. PL-TP-200-15-S
TIP LASER 300 μ m, 10 mm cod. PL-TP-300-10-S
TIP LASER 400 μ m, 10 mm cod. PL-TP-400-10-S

Other accessories



FIBRA OTTICA ULS 200 μ m 2 MT

Cod. PL-LPA00201



ON REQUEST

With SMA 905 connection. Ready-to-use optical fiber (without polymer coating), easy to use. Universal, particularly suitable for endodontic applications. Autoclavable



HCP OPTICAL FIBER 300 μ m 2 MT

Code PL-LPA00300



EURO 215,00

With SMA 905 connection. Optical fiber with high resistance polymer coating. Universal, conservative, prosthesis. Autoclavable



PLANE WAVE TERMINAL

Cod. PL-BT5008



ON REQUEST

Innovative high-performance defocused terminal for biostimulation, low level laser therapy, pain relief and aesthetic therapy applications



ADAPTER FOR SAPPHIRE TIPS

Cod. PL-LPC3002



EURO 285,00

Already supplied when purchasing the sapphire handpiece

FIBRA OTTICA ULS 320 μ m 2 MT

Cod. PL-LPA00320

With SMA 905 connection. Ready-to-use optical fiber (without polymer coating), easy to use. Universal, conservative, prosthesis. Autoclavable

HCP OPTICAL FIBER 600 μ m 2 MT

Code PL-LPA00600



EURO 265,00

With SMA 905 connection. Highly resistant optical fiber (without polymer coating). Universal, endoscopy. Autoclavable



MULTIFUNCTIONAL KIT

for biostimulation and whitening
coo of tips - Code PL-MF

TIPSEURO1.000,00mprensiv

- SILVER HANDPIECE - cod. PL-HPD-311S08-S
- ARC WHITENING TERMINAL - cod. PL-W670
- TERMINAL FOR INTRAORAL BIOSTIMULATION - cod. PL-B670-8A
- TERMINAL FOR EXTRAORAL BIOSTIMULATION - cod. PL-TM670
- 3 PACKS of 5 pieces each. OF TIP LASER, one per type: 200 μ m (code PL-TP-200-15-S), 300 μ m (code PL-TP-300-10-S) and 400 μ m (code PL-TP-400-10-S)



FOCUSING HANDPIECE

Cod. PL-FOCUSING HANDPIECE

EURO 540,00

Handpiece specifically designed for intraoral, perioral, dermoaesthetic and vascular applications, including the treatment by photothermocoagulation of low-flow vascular malformations and telangiectasias.

SPECIFICATIONS:

- Fiber 300um, 400um
- SMA905 connector
- Confocal magnification: 1:1 Beam diameter: selectable between 0.5 mm, 1mm, 2mm and 3mm.



THERAPY HANDPIECE

Cod. PL-THERAPY HANDPIECE

EURO 1.100,00

Tissue biostimulation and biomodulation procedures. E.g. TMJ biostimulation, muscle tissue biomodulation, skin biomodulation, aesthetic applications. Pain relief, reduction of inflammation, promotion of healing processes, revitalization

SPECIFICATIONS:

- Defocused handpiece with SMA-905 universal connection, equipped with interchangeable optical terminals.
- Adjustable spot area depending on the terminal used, between: 7mm, 15mm, 30mm



BATTERY FOR POCKET LASER UNIT

Cod. 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**



Case for transporting Pocket Laser and related accessories. Already supplied when purchasing the Starter Kit

WHITE GLASSES with green lenses

Cod. PL-LDA00105

EURO **165,00**



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

POWER KIT

Cod. PL-RIC00310

EURO **79,00**

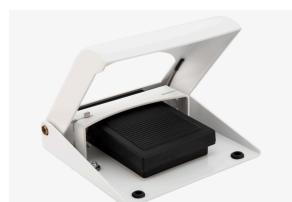


Universal power supply for Pocket Laser units and wireless foot control. Already supplied when purchasing the Starter Kit

WIRELESS PEDAL

Cod. PL-RIC00305

EURO **476,00**



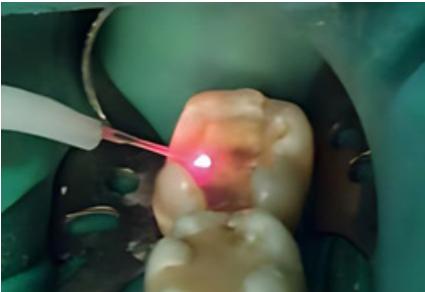
Wireless pedal with long-lasting battery for hands-free use. Each pedal is set to respond only to one Pocket Laser unit. Already supplied when purchasing the Starter Kit



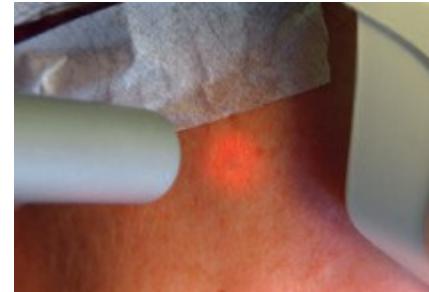
Clinic evaluation



In Endodonzia le possibili applicazioni spaziano dalla condensazione e rimozione della guttaperca, alla decontaminazione canale ed all'attivazione degli irriganti.



Decontaminazione di smalto e dentina in odontoiatria conservativa.



Biostimolazione in caso di algia dell'atm.



Scopertura implantare.



Immagine 1 e 2

Anchiloglossia in un paziente adulto con importante limitazione nell'escursione dei movimenti linguali.



Immagine 4

Guarigione per seconda intenzione a 7 giorni.



Immagine 3

Frenulotomia linguale eseguita con laser a diodi da 915nm. Si apprezza l'ottima emostasi e la visibilità del campo.

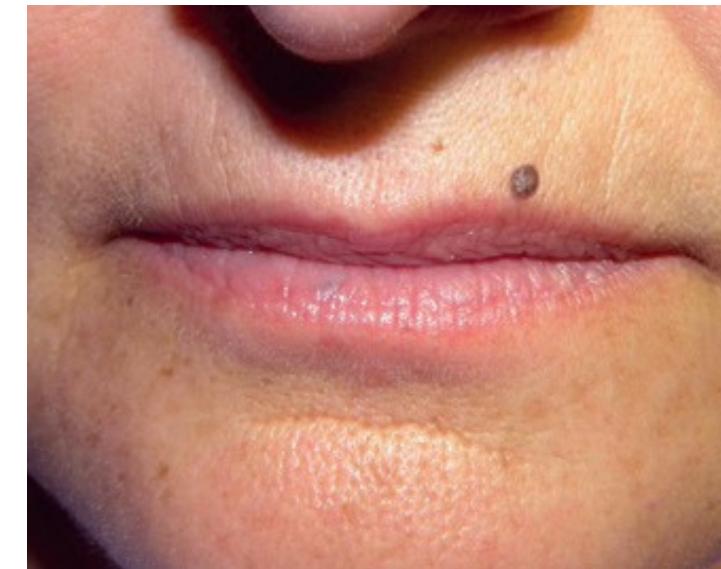


Immagine 5 e 6

Follow-up a 60 giorni: raggiungimento di una adeguata mobilità, previa rieducazione funzionale.



info@88dent.com

88dent.com

