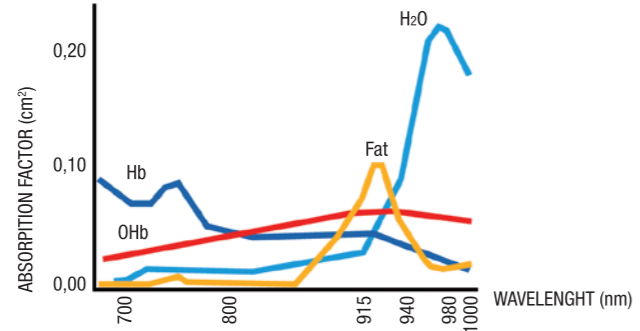


IN MEDIO STAT VIRTUS

LASEmaR 800™ is a laser platform for a wide-ranging use in dermosurgery, vascular surgery, cosmetology, medical therapy, plastic and general surgery, representing the best solution for many different applications. Thanks to its wavelength, which is optimally absorbed by melanin, haemoglobin and exogenous chromophores and scarcely by water, it is possible to achieve the mathematical photothermolysis of the targeted lesions, reducing the risk of damaging surrounding healthy tissues even in case of unintentional movements by the operator or unpredictable movements by the patients.

LASEmaR 800™ is compact, easily transportable, with no maintenance costs and can be used for a high number of applications by simply changing its accessories.



INSTRUMENTAL ADVANTAGES

- INTUITIVE MEMORY** All treatment protocols are preloaded into the computer software.
- SAFETY ACOUSTIC SIGNALS** This software allows for the control of execution flow or of energy target; alerting the operator on reaching this requirement via audio feedback and supplying information of dosages achieved without the necessity for the operator having to divert attention from the surgical field.
- ENERGY METER/SENSOR** This system allows for the control of power output via the optic fibres.
- PATIENT MANAGEMENT** This new software can be predisposed for the creation of a database for recording patients; their data and treatment effectuated in chronological sequence. The database is readily accessed to be updated, printed out or deleted.
- SELF-DIAGNOSIS SYSTEM** The main circuits are continuously being monitored via a security system that warns the operator of any anomalies and automatically interrupts laser emission whenever it is deemed necessary.

APPLICATIONS

DERMATOLOGY
LASEmaR 800™ allows a selective photothermolysis on melanin chromophores (dyschromias - hair), hemovasal chromophores (telangectasias - angiomas) and normochromic lesions, which have been artificially stained by means of exogenous chromophores. The chromophore selectivity, together with a low water absorption, permits to make use of low energy levels, thus avoiding any anesthesia, stitches or scars.

ACNE
Particularly indicated in the photodynamic treatment of Active Acne or in Acne Scarring vaporization.



HAIR REMOVAL

Hair removal can be applied by inducing selective photothermolysis on light phototypes or by using a cosmetological photodynamic therapy on dark phototypes with fair hair (including blond and white hair).



ENDOLIGHT LIFT

It's new mini-invasive technique used to boost skin restructuring. Thanks to this method it is possible to create a subcutaneous grid stimulating tissues and creating lines of temporary fiber retraction that fosters tissues restructuring and connective tissue photobiomodulation. This technique can be applied to the whole face.



SKIN REJUVENATION

Documented and confirmed scientific studies ensure that it is possible to exploit the properties of **LASEmaR 800™** light for photobiomodulation on Type-I collagen and for non-ablative connective tissue remodelling on wrinkles and striae (phlogistic stimulus on Type-III collagen).



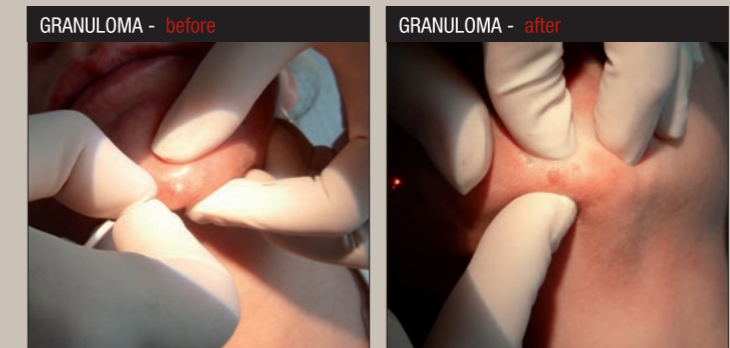
MICROLIPOSCULTURE

LASEmaR 800™ permits to remove fat under local anesthesia through special optical fibers inserted into thin cannulas. The advantage of this technique - compared to the conventional method - is represented by the increased emulsification of resistant fat combined with a better blood vessels hemostasis, which facilitates its subsequent aspiration. It is particularly indicated for localized lipodystrophy on hips and face, allowing to achieve an excellent fiber retraction with lifting effect, thus reducing the so-called "orange peel" skin effect.



ILT ON DERMAL FILLERS COMPLICATIONS

It's scientifically proven the efficacy of **LASEmaR 800™** on Intralesional Laser Therapy (ILT) for granulomas caused by filler injections. Special microfibers are proposed for ILT.



LASER THERAPY AND WOUND HEALING

The use of **LASEmaR 800™** with high power emission permits to diffuse high energy density deep into the tissue. High power laser therapy has several effects: antiinflammatory, analgesic, regenerative on connective tissue, biostimulating on lymphstream and phagocytosis. It is ideal for the treatment of tendonitis, contractures, ulcers, sores, osteoarthritis, post-traumatic pains.



BLEACHING

LASEmaR 800™ can be used in a number of dentistry applications. Beyond traditional oral applications - such as surgery, parodontology, endodontics - the dentist can apply the bleaching gel (**Eufoton Whitegen™**) to the teeth and expose them to laser light to restore their color. This is an easy and quick method leading to stable results both on vital and non-vital teeth.



ACCESSORIES

- SCANNemaR 800™**
Rotating scanner with electronically-controlled ellipsoid movement.
- LIGHTSCAN 800™**
Computerized fractional scanner. Energy, dots quantity and filling density are variable for customized settings.
- SURGICAL HANDPIECE**
For contact applications in combination with optical fibers.
- VARIABLE FOCUS HANDPIECE ZOOM 800™**
For transdermal applications.
- MULTI-THERAPY HANDPIECE**
For high power emission medical therapy and photodynamic hair removal.
- HANDPIECE FOR DENTAL BLEACHING**
For the treatment of the most frequent dental dyschromias.
- HANDPIECE FOR MICROLIPOSCULPTURE**
With cannulas of variable diameters and length, with or without suction insert.
- OPTICAL FIBERS**
Different calibres (from 100 to 1000 micron), lengths and tips (radial, ball, sphere, conic, flat) are available. 1) sterile for single use and 2) not sterile for multiple use. New disposable FTF kit (Fiber to Fiber).
- SKIN COOLING SYSTEM**
For a highest patient's comfort during assisted laser treatment. Contact and non contact air cooled systems.
- OPERATOR PROTECTION GOGGLES**
For operator's safety. Suitable also for prescription lenses.
- PATIENT PROTECTION GOGGLES**
For the patient's safety during treatments.
- TROLLEY**
Resistant trolley for easy and safe transport.

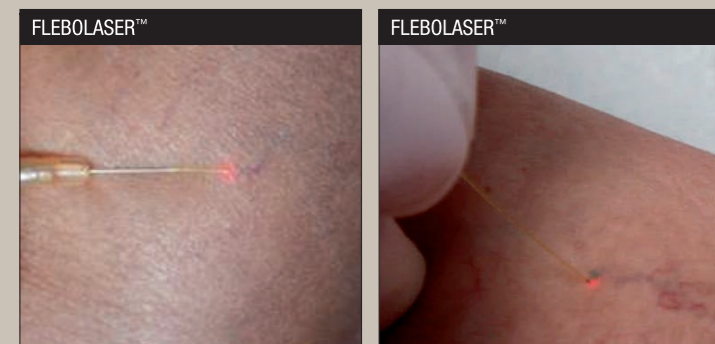
VASCULAR APPLICATIONS

Optical fibers with different diameters (100-1000 micron) permit the photocoagulation of all kinds of varicose veins (saphenous, collateral, perforator and telangiectatic lower limb varicosities), while the use of **SCANNEmAR™** allows for a quick and painless treatment of ulcers and wounds.



FLEBOLASER™ Technique allows to treat:

- Saphenous vein disease in day surgery.
- Truncular, reticular varices and telangiectasias in the medical office.



Ref.: O. Marangoni M.D. and L. Longo M.D., 2006.
Lasers in phlebology, Trieste, Edizioni Goliardiche. www.lasersinphlebology.com

PHLEBOLOGY ACCESSORIES



SINGLE USE FIBERS
Sterilizable bare and radial fibers.
Diameters from 100 to 1000 micron.



FTF (FIBER TO FIBER)
FTF (Fiber to Fiber): low cost fibers to perform subcutaneous laser treatments.



ENDOVENOUS THERAPY KIT
With various lengths (needle introduction, guide wire insertion, placement catheter with calibration marking through cannula equipped with hemostasis valve, laser fiber lock).



TRANSILLUMINATOR OF VARIOUS SIZES
For mapping varicose veins prior to treatment.




POLARIZED LIGHT HELMET
To see approximately 1mm under skin surface.

OTHER ACCESSORIES FOR PHLEBOLOGY

TRANSDERMAL HANDPIECE ZOOM For spider veins.
FIBER STRIPPER and **CERAMIC SCISSOR** For optical fiber.
MULTI-THERAPY HANDPIECE For ulcer photobiomodulation.

TECHNICAL FEATURES

Wavelength (nm)	808 nm
Laser	High Power Diode (GaAs)
Power	15 - 30 - 60 Watt
Preselected programmes	Advanced software with experienced protocols to be manually customized by operator
Pulse duration (Ton - Toff)	Adjustable from 1 to 9000 msec - steps 1 ms
Number of pulses per sequence (single and pulsed mode)	Adjustable from 1 to 100 - steps one
Interval between pulse sequence (pulsed mode)	Adjustable 10 m ÷ 10 sec
Operation mode	Single pulse mode Pulsed mode Continuous mode
Cooling system	Air cooling system combined with Peltier's Cells
Aiming beam	Red - 635 nm - 5 mw (MAX)
Electrical power	125-220 VAC 50/60 Hz
Absorbed power	300 VA peak (adapted to domestic electric standard)
In compliance with	ISO 9001 ISO 13485 93/42/CEE CEI EN 60601-1 CEI EN 60601-2-22 CEI EN 60601-1-4 CEI EN 60825-1 CEI EN 60601-1-2 
Weight and dimensions	13 kg - 35 x 34 x 13 cm



EUFOTON
MEDICAL LASERS

8000

LASE^MAR 800™

THE PORTABLE LASER FOR MANY NEEDS.



LASE^MAR 800™ is a laser platform for a wide-ranging use in dermosurgery, vascular surgery, cosmetology, medical therapy, plastic and general surgery, representing the best solution for many different applications.

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ACNE
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MICROLIPOSCULTURE
LASER THERAPY
BLEACHING
VASCULAR TREATMENTS
ILT ON DERMAL FILLERS
COMPLICATIONS

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MEDICAL LASERS

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ISO 9001
QUALITY ASSURANCE

ISO 13485
QUALITY ASSURANCE

Our facilities has been Registered to the International organization for Standardization ISO 9000 Series Standards for Quality.

Before and after photographs used in this brochure are courtesy of P.A. Bacci MD, L. Corcos MD, A. Crippa MD, A. Ferrara MD, O. Marangoni MD, A. Serraglio MD, G. Vasilescu MD, R. Brancati MD, D. Cassuto MD, I.H. Ballon MD, A. Ponti MD.

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