

LASEmaR 800

Main characteristics:

Selective, mini invasive surgery.

808 nm highly absorbed by hemoglobin, deoxyhemoglobin, melanin and exogenous chromophores: permits a wide range of aesthetic and medical treatments.

End users target:

Private practitioners, Hospital, Polispecialistic centers, doctors (also dentists) working in combination with aesthetists.

Area of applications:

1. dermatology
2. hair removal: photothermolytic and also photodynamic (PDT)
3. photorejuvenation
4. microlyposculpture Laser assisted
5. micro surgery
6. E.N.T.
7. phlebology, with the flebolaser® system
8. Endovascular surgery
9. Dentistry comprehensive of Laser whitening system
10. Traumatology (High Power Laser Therapy)

Advantages:

- Possibility to perform different treatment with only one device (15 different handpieces)
- Upgradeable
- Mini-invasive
- Selective surgery: thanks to the chromophore selectivity doesn't damage surrounding healthy tissues even in case of unintentional movements by the operators or unpredictable movements by the patients
- Avoiding any electric or tool contact.
- High haemostasis enabling optimal visualisation of the operating field (bloodless)
- Sterile treated area
- Hair removal of blond hair and dark skin
- Portable instrument (14 kg)
- No maintenance
- No consumption costs

Basic configurations:

Dermoaesthetic: LM8, Variable Focus Handpiece (**HP-FOC**), High Power Cable (**EFLM-PC-0,4-N**), Defocused Handpiece (**HP-DEF**)

Flebolaser: LM8, Variable Focus Handpiece (**HP-FOC**), High Power Cable (**EFLM-PC-0,4-N**), Defocused Handpiece (**HP-DEF**), Flebolaser Kit (**HP-FK**)

Configuration and accessories for the different treatments:

1. Dermatology:

a- (for contactless applications) → Variable Focus Handpiece with 3 focus (HP-FOC)

b- (for contact applications, to be used like a blade) → Surgical handpiece (with straight insert, curve insert and ENT cannula) (HP-SU) + optical fibre of 300 µm (sterilizable and reusable) (EFLM-DT-0,3-N)

c- (for treating keloids, scars and acne) → defocused handpiece (HP-DEF)

Optional accessories:

Fiberstripper: device for cutting the edge of sterilized fibers.

EasyMeter: device for measuring the exact output of sterilized optical fibers

Dermachiller: skin cooling device.

Eufoton vacuum: smoke evacuator.

2. Hair removal:

There are 2 different possible treatments:

a- photothermic hair removal (black hair, pale skins) → Variable Focus Handpiece with 3 focus (HP-FOC)

Optional accessories:

SCANNemaR (HP-SCA): to reduce operative time in photothermic hair removal.

Dermachiller: skin cooling device.

Eufoton vacuum: smoke evacuator.

b- (photodynamic hair removal) for all kind of skin and blond hair too → defocused handpiece (HP-DEF) + 1 portion of C.P.D.T. Chromophore (25 mg) (chromophore to be activated) (EU-ICG).

3. Photorejuvenation:

There are 2 kinds of antiageing treatments:

a- biomodulation: for superficial wrinkles → defocused handpiece (HP-DEF)

b- photorejuvenation: deeper wrinkles → SCANNemaR (HP-SCA)

Optional accessories:

Cooling beauty mask (EU-MA)

4. Microliposculpture (MLS):

MLS handpiece (HP-MLS) + 600 micron optical fibre for MLS sterilizable (EFLM-DT-0,6-N)

5. Microsurgery

6. E.N.T.

Surgical handpiece (with straight insert, curve insert and ENT cannula) (**HP-SU**) + optical fibre of 300 mn (sterilizable and reusable) (**EFLM-DT-0,3-N**)

Optional accessories:

Optical fiber of other diameters 200mn (**EFLM-DT-0,2-N**), 400 mn (**EFLM-DT-0,4-N**).

Fiberstripper: device for cutting the edge of sterilized fibers.

Easy Meter device for measuring the exact output of sterilized optical fibers.

Dermachiller: skin cooling device.

Eufoton vacuum: smoke evacuator.

7. Phlebology- Angiology

a- for transdermic treatment of leg and face teleangectasias → Variable Focus Handpiece with 3 focus (**HP-FOC**)

b- for endodermic treatment of teleangectasias → Flebolaser Kit (**HP-FK**)

c- for ulcers and wounds debridement (reduce by the half the time of healing compared with traditional curettage)
→ SCANNemaR (**HP-SCA**)

Optional accessories:

Eufoton vacuum: smoke evacuator.

Dermachiller: skin cooling device.

8. Endovascular treatment:

Optical fibers of different diameters according to the vein diameter, from 100 to 1000 mn sterilizable or monouse.

a- superficial teleangectasias → 200 micron optical fiber sterilizable (**EFLM-DT-0,2-N**)

b- reticular veins → 400 micron optical fiber sterilizable (**EFLM-DT-0,4-N**)

c- collaterals, perforators → 600 micron optical fiber surgical sterilizable (**EFLM-ME-0,6-N**)

d- saphenous vein → 1000 micron optical fiber surgical sterilizable (**EFLM-ME-1,0-N**)

Optional accessories:

Catheters - Introducer/Vessel dilatator for endovasc. Treatments (**IN/VE**)

Single use optical fiber sterile (5 units) (**EFLM-ME-0,6-S**)

Fiber stripper from 300 to 1000 micron (**EU-SF**)

9. Dentistry:

- a- **for soft and hard tissue procedures** → 200 micron optical fiber sterilizable (**EFLM-DT-0,2-N**) or 300 micron optical fiber sterilizable (**EFLM-DT-0,3-N**) + Surgical handpiece (with straight insert, curve insert and ENT cannula) (**HP-SU**)
- b- **for Bleaching** → Ring for Dental Bleaching (**HP-DTM**) + WHITEGEN Bleaching System (**EU-WG**)

Optional accessories:

WHITEGEN fluor gel (**EU-FG**)- desensibilizer

11. Traumatology (High Power Laser Therapy)

to reduce post traumatic pain and phlogosis. (haematomas, distorsions, epycondilytis, tendonitis) → defocused handpiece (**HP-DEF**)

Product Pictures



LASEmaR 800 LM8

Handpieces

Handpiece with varying-focus lens (HP-FOC)

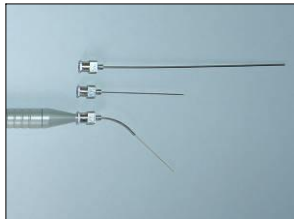
Contactless applications

- treatment of dermatological lesions
- transcutaneous treatment of vascular lesions



Surgical Handpiece complete of straight insert, curve insert and ENT cannula (HP-SU)

- General Surgery applications (contact)
- Dermatological Surgery
- Gynaecology Surgery
- ENT Surgery



Defocused Handpiece (HP-DEF)

Spot area 4 cm

- laser therapy (biostimulation, traumatology, osteoarthicular pathologies, cheloids, hypertrophic scars)
- Photodynamic hair removal
- Photodynamic treatment of acne



Flebolaser® Kit (HP-FK)

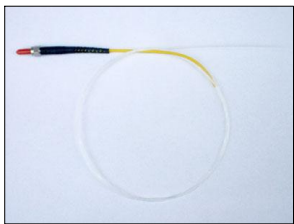
- Handpiece with 25G needle and 200 mn optical sterilizable and reusable optical fiber.
- Endovascular treatment of superficial reticular veins and teleangectasias





SCANNEmaR (HP-SCA)

- photodynamic debridment of ulcers and wounds
- non-ablative photorejuvenation
- hair removal
- photo aging



Optical fibers: sterilizable or single use (EFLM)

Available diameters: 100/200/300/400/600/800/1000 micron

- Endovascular treatments (varix, saphenous, collaterals, perforators, reticulars and teleangectasias)
- Endocavitary contact applications (general, dental and ENT surgery)
- Mini-invasive Surgery



Bleaching Handpiece (HP-DTM)

Treatment of the most common discromic teeth problems alternative to the night bleaching.

It must be performed in combination with photosensitizers solutions or gel like the **WHITEGEN®**, Eufoton's bleaching system. This bleaching handpiece can treat 2 teeth simultaneously.