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: phototermolytic and also photodynamic (PDT)
3. photorejuvenation
4. microlyposculture 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:
Dermoestetic: 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 mn (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 - Angiography

a- for transdermic treatment of leg and face telangectasias  \(\rightarrow\) Variable Focus Handpiece with 3 focus (HP-FOC)

b- for endodermic treatment of telangectasias  \(\rightarrow\) Flebolaser Kit (HP-FK)

c- for ulcers and wounds debridement (reduce by the half the time of healing compared with traditional curettage)  \(\rightarrow\) 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 telangectasias  \(\rightarrow\) 200 micron optical fiber sterilizable (EFLM-DT-0,2-N)
b- reticular veins  \(\rightarrow\) 400 micron optical fiber sterilizable (EFLM-DT-0,4-N)
c- collaterals, perforators  \(\rightarrow\) 600 micron optical fiber surgical sterilizable (EFLM-ME-0,6-N)
d- saphenous vein  \(\rightarrow\) 1000 micron optical fiber surgical sterilizable (EFLM-ME-1,0-N)

Optional accessories:

Catheters - Introducer/Vessel dilator 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, distortions, epycondylytis, 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, hypertrofic 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.