



**WORLDGATE**  
Medical & Lab. Supplies



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LASEMAR<sup>®</sup>1500

1500

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LASEMAR<sup>®</sup>1500



1500

THE MOST VERSATILE  
1470 NM LASER

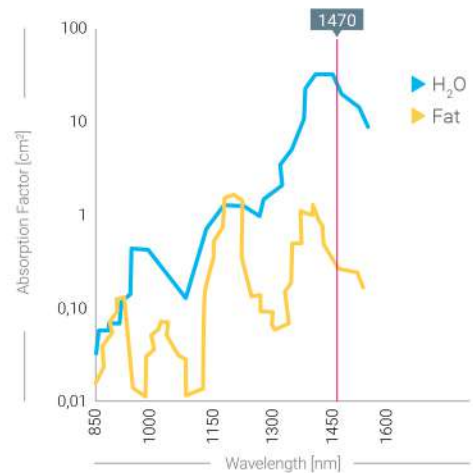
LASER ASSISTED LIPOLYSIS | ENDOLIFT  
FRACTIONAL NON-ABLATIVE SKIN REJUVENATION | VASCULAR SURGERY  
GENERAL SURGERY | GYNECOLOGY | PROCTOLOGY | THERAPY

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LASEmaR<sup>®</sup> 1500 for fractional rejuvenation, laser assisted lipolysis and vascular surgery.

LASEmar® 1500 is the ideal laser for aesthetic medicine, plastic surgery and endovenous phlebological surgery. In plastic/aesthetic surgery the phenomenon, caused by its specific wavelength, is a simple and quick emulsion of fat for the laser assisted lipolysis. The use of a lower level of energy applied in Endolift adds up the clear benefits of skin tightening.

LASEmar® 1500 is applied for fractional rejuvenation and the treatment of acne scars, thanks to the LIGHTSCAN. In phlebological surgery LASEmar® 1500 at 1470nm is known as the present gold standard for the EVLA (Endovenous Laser Ablation) in the outpatient elimination of saphenous reflux.



### ADVANTAGES

- ▶ **Multifunctionality** - changing its handpieces and preset protocols, the laser is immediately usable for all the different treatments.
- ▶ **EPC - Effective Pulse Control**, maximization of the concept of selective photocoagulation for water and fat.
- ▶ **Absolute portability** thanks to the smart trolley.
- ▶ **Software** - all the treatments are preset and adjustable thanks to the easy and intuitive software.
- ▶ **Security** - the software permits to set the target parameters, warning the operator of its achievement with different voiced feedbacks, without the necessity of diverting the attention from the patient.
- ▶ **Self diagnosis** - principal circuits are continuously supervised from a security system, which informs the operator of the eventual anomalies and whenever it is necessary, it stops automatically the emission.
- ▶ **Ordinary maintenance** is not necessary and there is no need of consumption materials.
- ▶ **Working capacity** of different hours per day without any problem of overheating.

## LASEmar® 1500 - APPLICAZIONI AND ACCESSORIES

### GYNECOLOGY

The protocol LADYLIFT™ is a safe treatment with no side effects for vaginal atrophy, stress urinary continence and tone of the vaginal walls. A new and innovative technique combines the action of the infrared laser and the LADYLIFT™ handpiece in order to accelerate the production and the remodeling of mucosa's collagen.

**Applications:** vaginal rejuvenation\*, urinary incontinence, vaginal atrophy, vaginal relaxation, diseases associated to postpartum alteration, HPV, cysts, dryness, itch.



LADYLIFT™ ENDOVAGINAL HANDPIECE  
Internal vaginal treatment.



MINITHERAPY LADYLIFT™ HANDPIECE  
External vaginal treatment.



SURGICAL HANDPIECE CONTACT  
Surgical treatment of:  
- Neoplasms  
- Gynaecological surgery/labioplasty.



## AESTHETICS AND DERMATOLOGY:

### FRACTIONAL NON ABLATIVE REJUVENATION

LASEmaR® 1500 permits the non-ablative skin rejuvenation through the fractional technology LIGHTSCAN. The treatment is made through a creation of microcolumns (MTZ Micro Thermal Zone) separated by healthy tissue, in order to have a little downtime, avoiding periods of convalescence.

LASEmaR® 1500 is particularly indicated for:

- ▶ facial wrinkles\*
- ▶ scars
- ▶ pigmented and senile lesions
- ▶ acne scars
- ▶ skin firming and tightening procedures\*
- ▶ shrinking and pores\*

### ADVANTAGES

- ▶ No anaesthesia.
- ▶ Suitable for those who desire little or no downtime.
- ▶ Reproducible, stable and satisfactory results in 3 to 5 sessions.
- ▶ Possibility to treat different zones: face, neck, hands, abdomen and chest.

### FRACTIONAL REMODELLING : Before - After



### ACNE SCARS: Before - After



### PIGMENTATION - MELASMA : Before - After



### LIGHTSCAN 1500



**Computerized fractional scanner.**

**Energy, dots quantity and filling density are variable for customized settings.**

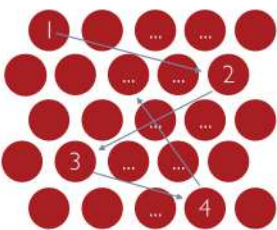
### LIGHTSCAN 1500

Dimensions and density of the spot are adjustable by the operator. Linear or random scanning mode. Absence of overlapping of the pixels. Time variable with possibility of pulse repetition.

### ADVANTAGES

- ▶ Dimensions and density of the spot are adjustable by the user.
- ▶ Linear or random scanning mode.
- ▶ Setting of impulses/fluency variable and possibility to repeat the impulse (stucking).
- ▶ Absence of overlapping of the pixels.
- ▶ Time variable with possibility of pulse repetition.
- ▶ EPC - Effective Pulse Control, maximization of the concept of fractional non ablative photothermolysis.

### RANDOM PATH



## ENDOLIFT™

ENDOLIFT™\* is a new procedure of laser interstitial lifting, which takes advantage of small fibers inserted without incisions in

order to obtain a lifting and immediately visible skin tightening, which are long-lasting.

### CLOSED LOWER BLEPHAROPLASTY: Before - After

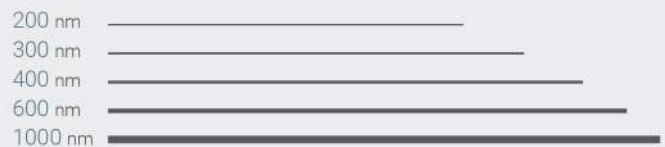


### NECK: Before - After



#### OPTICAL FIBERS

Different calibres (from 100 to 1000 micron) and radial fibers are available as well. For single and multiple use.



## LASER ASSISTED LIPOLYSIS

LASEmaR® 1500 is a fast and efficient laser for fat emulsion, skin tightening and contouring. It can be operated on face, neck, cheeks, abdomen, inner thighs, hips, gluteus, knees, arms and in all the fibrotic skins altered by ageing or by a previous operation of classic liposculpture. The results are already evident from the first treatment, but the optimal outcome will be reached after some months. It is possible a quick reabsorption of potential edemas, contusions and post intervention hematomas using the Multi Therapy handpiece, thanks to its antalgic and photobiomodulating action.

## ADVANTAGES

- ▶ Local anaesthesia only.
- ▶ Absence of incisions thanks to the micro cannulas.
- ▶ The speed of the treatment is due to the immediate fat emulsion.
- ▶ Limited thermal damage of neighboring tissues.
- ▶ Different sterile kits for body areas.
- ▶ Rapid recovery of social and working activities.
- ▶ Visible results after one session.
- ▶ The device can be used both with frontal and radial fibers. Moreover, the radial emission permits a wider and even heat emission and distribution, which is a positive outcome for temperature control capabilities.

### BODY: Before - After



### ABDOMEN: Before - After



### GLUTEUS: Before - After

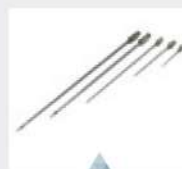


### GYNECOMASTIA : Before - After



#### LIPOKIT WITHOUT SUCTION

Available different handpieces without suction insert. Cannulas differ for their length and calibre.



#### CANNULAS

Of different dimensions and calibres available upon request.

## PHLEBOLOGICAL SURGERY

### EVLA - Endovenous Laser Ablation.

Thanks to the high water absorption LASEmaR® 1500 permits a better endovenous occlusion applying lower energetic levels LEED (Linear Endovenous Energy Density).

Phlebological indications:

- ▶ Treatment of the reflux of the great and small saphena
- ▶ Treatment of the periulcerosa varices
- ▶ Treatment of fractional debridement of venous ulcers.
- ▶ Photobiomodulation of venous ulcers.

### SAPHENOUS VEIN: Before - After



#### HF RING FIBER

High Focused Ring Fiber with 360° emission, single use.



#### INTRODUCTION KIT

Vein introduction kit complete of needle, dilatator, j-tip guide wire, sterile. Disposable.

## GENERAL AND PROCTOLOGICAL SURGERY

### Minimally invasive general and proctological surgery.

#### HEMORROIDECTOMY

Hemofiber is a specially designed probes that shoots frontally and radially for minimal invasive of hemorrhoids of grade 3 and 4 with retractable or fixed prolapse, achieving obliteration and shrinkage of tissue with limited complications preserving the musculus sphincter ani internus and the mucosa.

#### ANAL FISTULAS

HF Ring fibers allows the closure of the fistula preserving the sphincter, without the need for medication and with a rapid return to daily routine.

#### HIGH LEVEL LASER THERAPY AND VULNOLOGY

With the Multi -Therapy Handpiece, LASEmaR® 1500 is applicable for photobiomodulation of wounds and ulcers, while trough the fractional scanner LIGHTSCAN it can be used for surgical debridement.

#### HYPERHIDROSIS

Laser sweat ablation is a procedure to stop sweating from the armpits.



#### HEMOFIBER

Frontal and annular emission for hemorrhoidectomy, single use. Autoclavable handpiece for insertion.



#### MULTI-THERAPY HANDPIECE

For photobiomodulation, High Level Laser Therapy, inhibition of keloids. Quasi contact mode. Spot 40 mm.

## OTHER ACCESSORIES

SMART TROLLEY - For an easy and safe transportation.

INFILTRATION PUMP - For local tumescent anaesthesia.

KIT FIBER MAINTENANCE - Equipped with fiber stripper and dedicated scissors.

COOLING SYSTEMS Fixed, portable, low cost.

PATIENT EYE SHIELDS Also intraocular and single use.

GOGGLES FOR OPERATOR AND PATIENT





**LASEmaR® 1500**  
is available in  
**SILVER, BLACK and GOLD.**



## LASEmaR® 1500 - TECHNICAL FEATURES

Wavelength (nm)	1470 nm
Laser	High Power Diode (GaAs)
Preselected programmes	Advanced software with experienced protocols to be manually customized
Pulse duration (Ton-TOFF)	Adjustable from 1 to 9000 msec - step 1 ms
Number of pulses per sequence (single and pulsed mode)	From 1 to 100 - step one
Interval between pulse sequence (pulsed mode)	Adjustable 1 ms + 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
Electrical power	110 - 230 V 50/60 Hz
Absorbed power	300 VA peak (adapted to domestic electric standard)
In compliance with	93/42/CEE IEC 60601-1 IEC 60601-1-2 IEC 60601-2-22 IEC 60825-1
Weight and dimensions	8,5 kg - 30,5 x 35 x 15,5 cm
Production	Made in Italy



For more information about applications and accessories of **LASEmaR® 1500**, scan the QR - code with your tablet or smartphone.



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