


TECHNICAL FEATURES

Wavelength (nm)	1470
Laser	High Power Diode (GaAs)
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 ms ÷ 10 sec
Operation mode	Single pulse mode Pulsed mode Continuous mode
Numerical Aperture	0,22
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



1500

LASE^{ma}R 1500™

**THE LASER DELICATE
ON THE SURFACE
AND FAST IN DEEP.
GENTLE & POWERFUL
AS THE WATER.**

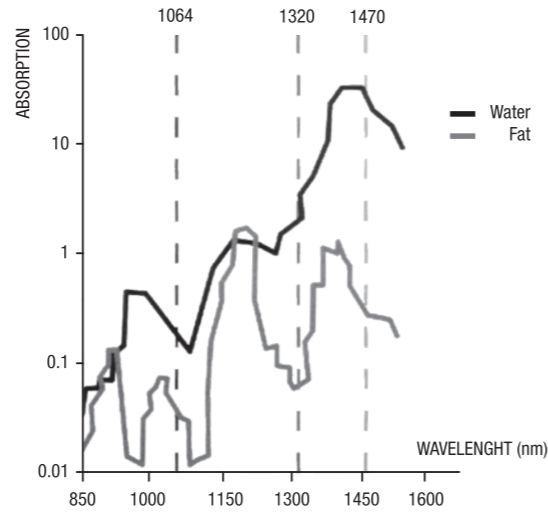


LASE^{ma}R 1500™ is a unique laser system to perform fractional non-ablative rejuvenation, laser assisted lipolysis and vascular surgery.

LASEmaR 1500™ is the ideal laser for minimally invasive surgery thanks to the possibility to incorporate optical fiber of different core diameter (between 100 and 1000 μm) and for skin rejuvenation and acne thanks to the **LIGHTSCAN™**, the fractional non ablative scanner.

Its wavelength (1470 nm) has a high absorption for water and fat. This means a much faster fat emulsification using low power with a very limited thermal damage on peripheral tissues. Others wavelengths like 1064 or 1320 nm need instead higher power to amplify fat emulsification but the weak point is that this also amplifies the possibility for thermal side effects. **LASEmaR 1500™** is indicated also for all surgical applications requiring the vaporization, incision, excision, ablation, cutting, haemostasis and coagulation of soft tissue, including endovascular procedures.

LASEmaR 1500™ is portable, easy to use, does not need any maintenance and is free from consumption costs.



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.

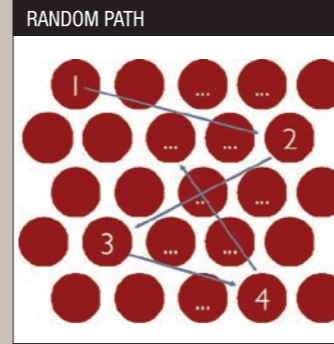
APPLICATIONS

LASER ASSISTED LIPOLYSIS

LASEmaR 1500™ is a portable solution for an higher level of safety, speed and efficiency in fat emulsification and body contouring. The specific wavelength, thanks to the water and fat absorption, permits a better and quicker skin retraction and prevent skin laxity. It's indicated for lots of body areas including face, chin, abdomen, inner thighs, flanks, buttocks, knees and arms and all fibrotic / altered skin after classic liposuction treatment.

Advantages

- One session.
- Shorter procedure.
- Reduced bruising.
- Local anaesthesia only.
- Small incisions, smaller scars.
- Can be performed in a simple sterile room.
- Well tolerated by patients.



LIGHTSCAN™

- Changeable pixel dimension and density.
- Linear or random scanning mode
- No overlapping.
- Pixel time variable with possibility of pulse repetition (sticking).

LIGHTSCAN™ - FRACTIONAL NON ABLATIVE REJUVENATION

LASEmaR 1500™ is a non-ablative skin resurfacing system that uses **LIGHTSCAN™** fractional technology. The aim is to create hundreds of micro columns of coagulation eliciting a rapid healing response. The end point is a fresher, tightened and cleaner skin appearance with little or no downtime. **LASEmaR 1500™** is indicated for facial wrinkles, scars, acne scars, pigmented and senile lesions and for all skin firming and tightening procedures.

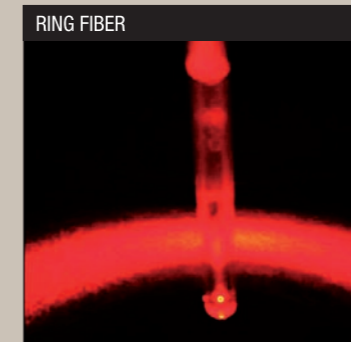
Advantages

- No anaesthesia.
- Gentler procedures 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.



VASCULAR SURGERY

Endosaphenous laser: because of his higher absorption on water **LASEmaR 1500™** permits a better collapse of the vessel wall. Indications: dilated GSV laser treatment using low energy emissions.



ACCESSORIES

	LIGHTSCAN™ Computerized fractional scanner. Energy, dots quantity and filling density are variable for customized settings.
	LASER ASSISTED LIPOLYSIS KIT integrated laser and suction handpiece.
	HANDPIECE FOR LASER ASSISTED LIPOLYSIS Different handpieces are available with or without suction insert. The cannulas are variable by calibres and length.
	SURGICAL HANDPIECE For contact skin ablation and general surgery.
	OPTICAL FIBERS Calibre vary from 100 to 1000 micron.
	RING FIBER specially designed fiber delivering energy 360° degrees radially from the tip. Disposable.
	INTRODUCTION KIT Vein introduction kit complete of needle, dilatator, j-tip guide wire, sterile. Disposable.
	TROLLEY For easy transportation.

OTHER ACCESSORIES

- INFILTRATION PUMP** For local tumescent anaesthesia.
- FIBER STRIPPER.**
- PATIENT EYE SHIELDS.**
- DIFFERENT SKIN** Cooling systems.
- CUSTOMIZED** on demand variable length/diameter **CANNULAS.**
- GOGGLES** Suitable also for prescription lenses.

Advantages

- Easier access with rounded tip.
- Marking on the fiber and dedicated software for more uniform laser delivery.
- Specially designed Introduction kit.
- Less ematoma and post op. pain.
- Possibility to perform the operation outpatient.

GENERAL SURGERY

Minimally invasive general surgery.