



LipoClaser XL[®]

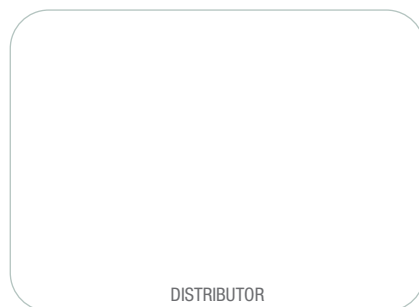
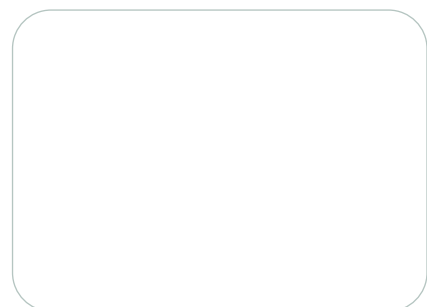
Acoustic Cavitation Technology - ACT



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THE BEST SOLUTION FOR NON-INVASIVE
LOCALIZED FAT REDUCTION



LipoClaser XL[®] powered by ACT

is a powerful ultrasonic generator producing micro vacuum bubbles inside fluid or fatty tissue followed by an implosive collapse of the bubbles. This physical phenomenon is called cavitation.

ACT causes the intercellular breakdown of adipocytes' links and as a permanent effect it also causes intercellular breakdown of adipocytes' membrane walls.

LipoClaser XL[®] powered by **ACT (Acoustic Cavitation Technology)** is a new generation of ultrasound technology. **ACT** dynamically generates frequencies around 38 KHz which increase the resonance effect on fat cells.

circumference
REDUCTION
right from the first treatment

The area of localized adiposity in the inferior part of feminine body can be noticed in: **flanks, gluteus, in the abdomen, on the external side of the thigh and of the knees**

LipoClaser XL[®]

causes a real reduction (adiposelisis) of the adipose areas and cellulites without surgical means.

allows the treatment of wide body areas fast and effectively with full safety and comfort.

LipoClaser XL[®] has been developed and designed to perform reduction treatment of adipose areas and cellulites. It has visible and durable results that can almost be compared to liposuction without the disadvantage of an invasive intervention.

The LipoClaser-XL uniqueness is based on the following three combined mechanisms of action:

1 Lipolisis

LipoClaser XL[®] initially act over the triglycerides (TGs) inside fat cells by breaking down the bond of TGs into free fatty acids and glycerol.

The free fatty acids, relatively insoluble in water, are bound to albumin and are slowly carried to the liver or to other tissues in need of these molecules as building blocks or energy. In other words, free fatty acids released from treated fat cell are being processed in normal pathways that nature has evolved for the transport of fat.

2 Lipoclasia

A second mechanism of action is by cavitation. **LipoClaser XL[®]** disrupts fat cells, breaking down the cell membranes causing the release of TGs from the cells. A large portion of TGs is probably broken down into the free fatty acids and glycerol that follow the pathway described before.

In case the released TGs is not broken down, it may bind to very low density lipoprotein particles (VLDL) found in the lymph system. VLDL is further processed to other lipoprotein classes (IDL, LDL) and ultimately transported to the liver for recycling back to free glycerol and free fatty acids.

3 Lipoinduccion

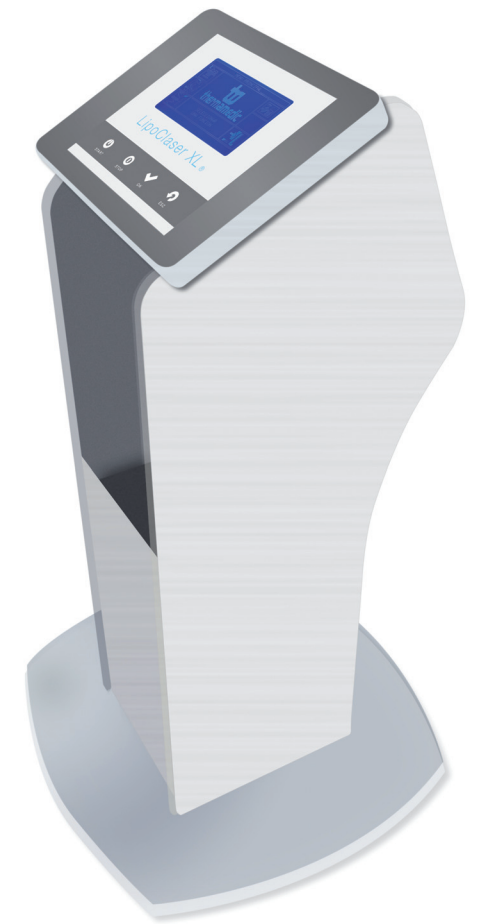
Finally, there is a third mechanism of action which is produced by the alteration in some membranes of fat cells by cavitation effect of the **LipoClaser XL[®]**; The membranes lose some of its properties during the process without reaching breakage, but neither is it capable of regenerating and it is detected by the immune system and marked in order, finally, to be absorbed by the macrophages (induced apoptosis).

In conclusion, the released TGs or its derivatives are processed by known metabolic pathways. No unnatural or new metabolic pathways are required for the body to process the released TGs or cells. In addition, TGs from adipocytes treated by **LipoClaser XL[®]** ultimately travels to the liver, where it is recycled to meet the continuing demands of the body.

These mechanisms stress the importance of the necessary drainage and evacuation process following each session with the **LipoClaser XL[®]**.

achieve
VOLUME REDUCTION

without
SURGICAL INTERVENTION



technical specifications

- Output power 100 W
- Ultrasonic frequency 38 KHz
- Modulation FM 38 KHz +/- 2KHz
- Max intensity 3W/cm²
- Max elastic pressure 3 Kpa
- Voltage/frequency current 110-220 V / 50-60 Hz
- Class 1 Type B
- Dimensions and weight 92x48x56 cm/20 kg
- Directives 89/336/CEE – 73/23/CEE – 93/68/CE

Marked **CE**