



REFINE • RESHAPE • REVIVE

non-invasive  
**Body Forming Technology**

**LIPOLASER**  
LAPEX2000

# OUR TECHNOLOGY

LipoLaser is a safe, painless and completely non-invasive treatment for spot fat reduction and aesthetic body contouring. Meridian Co., Ltd., the LipoLaser manufacturer, has developed the first non-invasive low level laser designed to stimulate lipolysis in subcutaneous adipose tissue. Solid-state, semiconductor-powered, multiple beam AlGaInP laser diodes irradiate adipose cells causing them to release their stored triglycerides.



## System Specifications

### SYSTEM

Power Supply: 100-240Vac, 50/60Hz  
Power Consumption: Max. 50W  
Dimensions: 9.75" (W) x 9.5" (H) x 13.5" (D)  
Weight: 13.6 lbs  
LCD Display: Safety Class 320 x 200 Graphic LCD, Class 1, Type BF

### MULTI PROBE

Source: Laser Diode AlGaInP  
Type: Continuous & Modulated  
Wavelength: 635nm  
Output Power: 150mW  $\pm$  20%  
Modulation Frequency: 0 ~ 10kHz

### ENHANCEMENT PROBE

Source: Laser Diode AlGaInP  
Type: Continuous & Modulated Continuous  
Wavelength: 635nm  
Power: 30mW  $\pm$  20%  
Modulation Frequency: 0 ~ 10Hz



# INSTANT RESULTS

Lapex 2000 LipoLaser is a safe, painless and completely non-invasive treatment for spot fat reduction and aesthetic body contouring.

Clients have found hard to reduce trouble spots, such as love handles, tummy bulge and saddlebags are significantly reduced with just a few treatments. Laser paddles target adipose tissue externally through the skin for 10 minutes per treatment area.

Results are seen in both circumference measurement and degree of body contour in the area. Patients can optimize their results through multiple LipoLaser treatments combined with cardio type activity post treatment.\*

Studies have found that the clients who eat a healthy diet and exercise regularly will experience the best LipoLaser results; however, even clients with sluggish metabolisms remark that they experience a unique and invigorating "body wake up".

\* It is recommended that a cardio type activity or whole body vibration equipment be used for 10 minutes immediately following the LipoLaser session.



"The Lapex 2000 LipoLaser holds the potential to revolutionize the aesthetic market for inch loss and body contouring, and will offer clients a fantastic new non-invasive alternative to help them meet their goals."

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# HOW IT WORKS

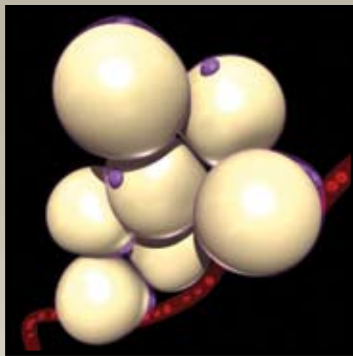
Lapex 2000 LipoLaser paddles containing laser diodes that emit specific wavelengths of light designed to target fat cells (635 nm) are placed on the patient's skin for 10 minutes per treatment area. Laser energy safely and painlessly penetrates several millimeters into the subcutaneous adipose tissue.

The adipose cell walls are made permeable for a temporary period allowing cell contents to spill out into the interstitial space. The fat (in the form of triglycerides) is converted to free fatty acids (FFA's), water and glycerol.

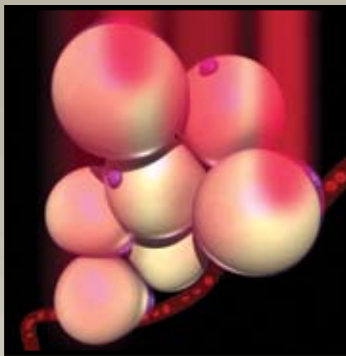
The FFA's are utilized in the body as energy or are reabsorbed by other cells, while water is utilized or excreted and glycerol is processed through natural metabolic functions. Fat cells are significantly reduced in size resulting in substantial body contour improvements and inch loss.

During a standard treatment cycle, the body can easily process the amount of mobilized fat that is released. Cell debris is cleared by natural metabolic pathways while structures such as blood vessels and peripheral nerves remain intact.

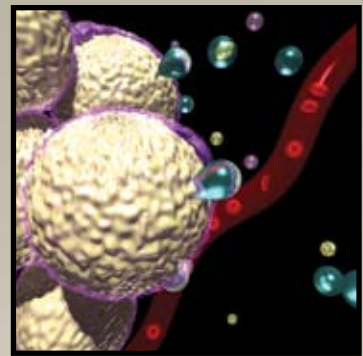
Adipocytes at rest



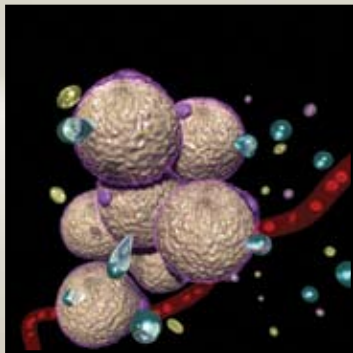
Laser energy from LipoLaser irradiates adipocytes



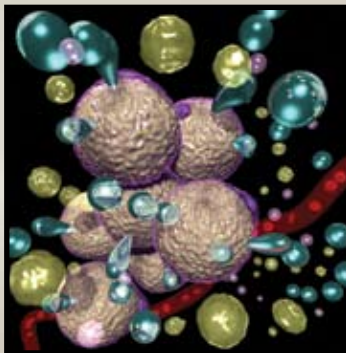
Pores have formed on the adipocytes allowing contents to spill out



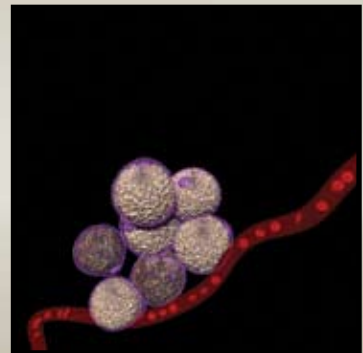
Water, Glycerol and Free Fatty Acids move out into interstitial space



More Water (blue), Free Fatty Acids (green) and Glycerol (purple) spill out



Adipocytes significantly reduced in size while the blood vessel stays unaffected.



# SAFETY

Low levels have been used successfully in private practice for over 30 years and in numerous studies worldwide. To date, there are no known reports of anyone being harmed by a low level laser, which is extremely safe when used correctly.

Clinical testing completed in the United States and overseas has shown the LipoLaser maintained an excellent margin of safety throughout multiple treatments on a wide range of patients.