



## LipoLife 3G

Liposuction, Skin Tightening  
& Fat Grafting

Innovative, integrated technologies for  
optimal clinical results

Reduced treatment time - with simultaneous  
lasing and suction

High fat vitality for successful grafting

Compact, portable, all-in-one system

Enhanced skin tightening

High ROI, out-patient solution

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# Maximum Performance, Maximum Possibilities- LipoLife 3G

LipoLife 3G is the third generation of Alma Laser's liposuction solution offering maximum safety and proven clinical success. It has become an essential clinical offering provided by doctors and clinics around the world.

LipoLife 3G streamlines the surgical process by offering a complete, all-in-one solution covering all stages of liposuction, skin tightening and fat grafting procedures. It is the first integrated solution of its kind combining multiple modalities in a compact, portable and neatly organized system.

**Simultaneous lasing and suctioning** with optional **vibrational capabilities** simplifies the procedure and significantly reduces treatment time, **thermal energy** and a unique **radial emission fiber** allows for effective, homogenous skin tightening. The collection of **high vitality fat** permits successful, immediate fat grafting.

LipoLife's quiet operation and minimum floor-space design gives you the flexibility to perform liposuction procedures in outpatient clinics under local anesthesia, affording increased procedure safety and greater patient appeal. Its compact design also reduces clutter in hospital Operating Room (OR) settings for a more conducive working environment.



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## *The Complete Solution for Liposuction, Skin Tightening & Fat Grafting*

## State-of-the-art Technologies

LipoLife 3G, powered by the 1470nm diode device and recent innovations by Alma Lasers, brings the cutting-edge in tumescent liposuction including targeted fat removal with minimal bleeding and bruising, less physician exertion and shorter patient recovery time.

The system combines a 1470nm wavelength which specifically targets fat-water absorption, combined infiltration and suction, an integrated cannula and fiber interface for simultaneous lasing and suction, the LipoVibe™ vibrational device for more efficient fat emulsification and removal; the unique Angel™ radial emitting fiber for wider and even heat emission and distribution, and temperature control capabilities. The results are improved skin tightening, reduced procedure time, high fat viability for successful grafting and superior clinical results.

*"The next generation LipoLife system by Alma has been a breakthrough for my clinic's liposuction routine. Simultaneous lasing and suction significantly cuts treatment time and makes performing procedures far less physically demanding. The system is compact while offering all of equipment and accessories we need, saving us space without sacrificing convenience."*

*Dr. Alex Levenberg, Plastic Surgeon  
Tel-Aviv Sourasky Medical Center*



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## Infiltration And Suction

The ultra-quiet, powerful aspiration system features three pumps for high powered operation: a peristaltic pump for infiltration of tumescent anesthetic mixtures and two aspiration pumps for fat suctioning.

## Simultaneous Lasing And Suction

LipoLife 3G features an integrated cannula and fiber interface which allows for simultaneous lasing and suction. This unique interface allows physicians to pass through the tissue more easily and remove fat cells more quickly and efficiently.

As laser energy is delivered to the tissue, the laser cauterizes blood vessels, minimizing bleeding, swelling and body trauma such as hematomas, edema and bruising as well as minimizing post-operative pain.

Simultaneous lasing and suction creates a **one-step process** which significantly reduces the amount of physical effort required to perform liposuction procedures, especially in areas with fibrous tissue such as Gynecomastia. The mechanism simplifies the procedure, reduces total treatment time, prevents operator fatigue and achieves optimal clinical results with reduced patient downtime.



## OPTIMAL WAVELENGTH

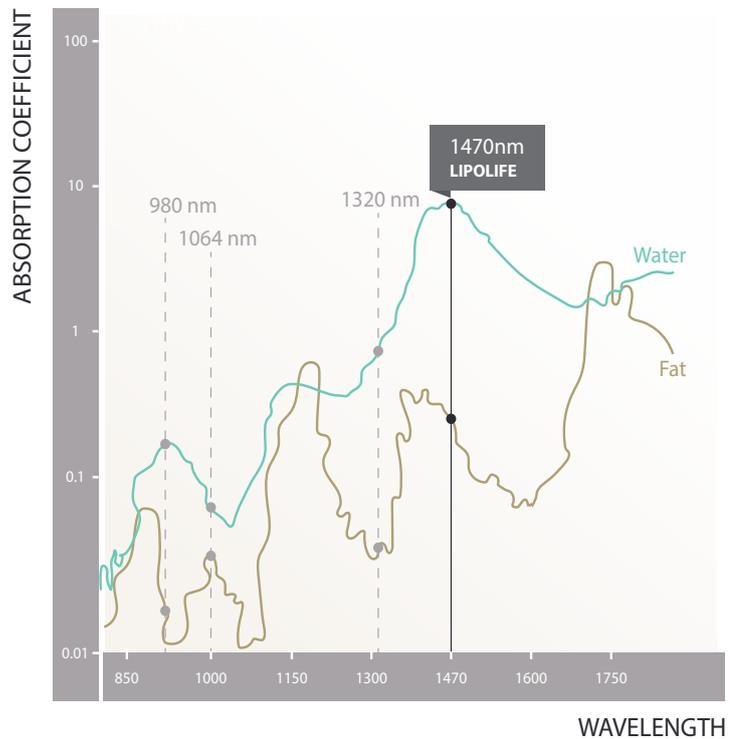
LipoLife 3G uses the 1470 nm wavelength which specifically targets water in soft tissue and features a higher absorption rate in water and fat than all other competing devices. This allows for optimal fat removal with minimal tissue damage. Laser energy is delivered at a low power density for maximum safety, minimizing the risk of burns.

## SKIN TIGHTENING BENEFITS

In addition to achieving effective lipolysis, the thermal energy generated by the 1470 nm diode laser contracts existing collagen and elastin fibers and stimulates the formation of new collagen for firmer, tighter-looking skin.

This is particularly important for delicate areas such as the face and neck as well as for areas of cellulite.

In effect, LipoLife 3G targets cellulite precisely at its source within the underlying structural tissue. Laser energy is directed beneath the skin, separating the skin from adipose tissue, effectively breaking up pockets of cellulite and restructuring the skin for a smoother appearance.



## SKIN-SAFE UNIQUE ANGEL™ EMITTING FIBER

LipoLife 3G features the unique Angel™ radial emission fiber integrated into a Mercedes perforated-tip cannula which emits energy in a 360° pattern.

Radial emission lasing is a low-power density approach with multiple benefits including minimizing the risk of burns, distributing energy evenly throughout the treatment area, removing fat cells more quickly and covering greater tissue area, allowing for faster treatment speed.

The fiber's radial emission pattern allows for safe, homogenous and more efficient skin tightening during the procedure.

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## LIPOSENSE™ TEMPERATURE CONTROL

LipoLife 3G features a closed loop, temperature-sensing cannula, called LipoSense, that continuously monitors subdermal temperatures during laser-assisted lipolysis, body contouring and small area procedures. Laser energy is delivered to the tissue until the target temperature is reached, achieving precise, uniform treatment.

Intuitive software allows you to define a maximum temperature limit for the procedure. If subdermal temperature exceeds the limit, the system will automatically stop, preventing thermal tissue damage.

LipoSense™ temperature control enables you to perform precise body contouring with greater efficiency and safer results.

## LIPOVIBE™ VIBRATING DEVICE

The LipoVibe™ device provides vibrational assistance during the liposuction procedure for even further ease and efficiency. LipoVibe™ uses controlled vibrations to facilitate the movement of the cannula, helping break up fatty tissue so that it can be easily suctioned and removed from the body. Small, precise oscillations allow physicians to target specific areas safely without damaging surrounding tissue. This technique is especially useful for treating areas with dense and fibrous adipose tissue.



LipoVibe™, combined with simultaneous lasing and suction, allows physicians to remove fat more quickly and easily with much less manual force, resulting in less bruising and shorter patient recovery time and a more comfortable experience for both physician and patient.

## FACE TIGHTENING LIPOTIGHT CANNULA

In addition to the skin tightening benefits of LipoLife's laser-assisted liposuction procedure, LipoLife 3G also offers a dedicated tightening cannula with a flat multi-use laser fiber, designed exclusively for skin tightening of the face and neck. Laser energy is delivered directly underneath the skin above the hypodermis to treat areas of skin laxity such as nasolabial folds, jowls and neck. The LipoTight cannula may also be used for post-facelift touchups including addressing any asymmetry or loose skin.



# On-The-Spot Fat Grafting-With High Fat Viability

Autologous fat transfer for soft tissue contouring has become increasingly popular in recent years. The immediate availability of the patient's own fat, its natural integration into host tissues and its permanent correction potential makes it a highly instrumental application.

LipoLife 3G achieves a fat vitality rate of greater than 95%<sup>1</sup>. The procedure is quick and convenient with a fully equipped kit allowing you to easily restore patient tissue volume.

With LipoLife's unique lasing technology, fat cells gently undergo lysis to a semi-liquid state, generating two distinct phases: a significant adipose phase with highly viable, small uniform fat cells and a negligible blood phase, with no oil phase present as with mechanical liposuction. The preservation of fat cells with high vitality combined with a filtering mesh allows for quality fat grafting and successful autologous fat injection, with longer-term results.

The effects of fat injection can last up to two years or more, and in some cases, indefinitely. Autologous fat transfer may be particularly beneficial for patients who are allergic or sensitive to fillers such as collagen or Hylaform.

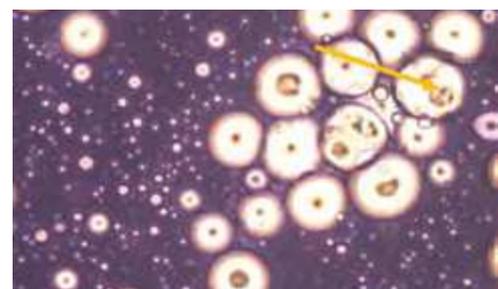
With LipoLife 3G, autologous fat transfer is simple, safe, inexpensive and effective.

*"LipoLife 3G allows us to obtain high quality, viable fat cells quickly and easily for immediate grafting. Its seamless integration with liposuction procedures makes it a convenient and highly effective solution for successful total body contouring."*

*Dr. Gerhard Sattler, Dermatologist  
Rosenpark Klinik, Darmstadt, Germany*

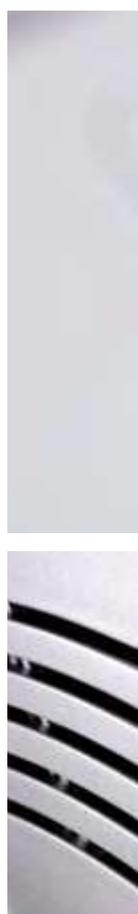


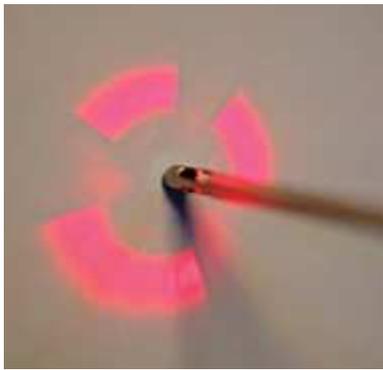
Laser Liposuction  
Lipid Droplets diameter size: 10-30 um. (Magnification x100)



Mechanical Liposuction  
Lipid Droplets diameter size: 20-100 um. (Magnification x100)

<sup>1</sup> Source: Levenberg, A., Scheinowitz, M., Sharabani-Yosef, O. (2016) "Higher cell viability and enhanced sample quality following laser-assisted liposuction versus mechanical liposuction". Tel Aviv Sourasky Medical Center and Department of Biomedical Engineering, Tel Aviv University. Published in Journal of Cosmetics, Dermatological Sciences and Applications, 2015, 5.





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## Areas of Treatment

All areas of the body can be effectively treated with LipoLife 3G. These include areas that are not easily accessible using conventional liposuction such as the chin, face and neck as well as larger areas with extensive fat deposits. In addition, LipoLife 3G simplifies specialized treatments such as fibrous Gynecomastia.

*"The integration of Alma's laser fiber into the liposuction procedure has opened a new range of treatment possibilities for my practice. The unique 360 degree design gives me greater control and precision as well as a greater field of interaction with the tissue, allowing for maximal fat removal as well as simultaneous skin contraction."*

*Dr. Shapira, Plastic Surgeon  
Assaf Harofeh Medical Center*

## A Complete, All-in-One Solution

LipoLife 3G's compact, multi-modal system delivers the flexibility and responsiveness physicians need for liposuction, skin tightening and fat grafting procedures of any scope, for use in both private clinics as well as hospital settings. All of the required tools and equipment as well as a complete set of accessories are conveniently organized in a **quiet, portable plug-and-play unit**.

**Infiltration and Suctioning Modality:** peristaltic pump for infiltration, aspiration pump for suctioning and infiltration and suction cannulas for face and body. Also provides all required accessories including a re-usable canister for waste

fluid collection and a full kit including all required sterile tubing and disposable waste bags.

**Simultaneous Lasing and Suction:** 1470 nm diode device, Angel™ radial emission lasing fibers in various diameters, autoclavable LipoVibe™ vibrating device and cable, LipoSense temperature control cannula and LipoTight fiber with a multi use laser fiber, including stripping and cleaving set.

**Sterile Fat Grafting Kit:** micro-cannulas, precision needles in various diameters, anaerobic transfer, sterile canister for viable fat collection, and multiple syringe stand.

## Why LipoLife?



Complete, all-in-one solution



Short treatment time and reduced operator fatigue



Suitable for both hospital settings and private outpatient clinics



Maximum patient safety- with low power density lasing and local anesthesia



Compact, portable, neatly-organized unit



Fully-equipped liposuction and fat grafting kits



Ultra-quiet operation



High ROI - multiple treatment options, outpatient procedures, no need for fillers and short treatment times, for maximum returns



## LipoLife<sup>3G</sup>

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& Fat Grafting

Alma Surgical is the new standard in pioneering, smart laser solutions, and the bridge to highly specialized outpatient medical care. From gynecology, urology and phlebology to plastic surgery and dermatology, the company's minimally invasive laser solutions provide superior results and reduced treatment time for safer and more efficient practice and patient care. Alma Surgical is a division of Alma Lasers, a global innovator of laser, light-based, radiofrequency and ultrasound solutions for the medical aesthetic and surgical markets.

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