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# Лазер TRIACTIVE PLUS



**MEDICINE AND AESTHETICS**

## TRIACTIVE +

Treatment of Cellulite  
Localised Fat Deposits  
Flabby Skin  
Anti-Aging  
Fluid Retention  
Heavy Leg Syndrome

**DEKA Body Shaping: the Harmony  
of the Body Becomes Science**

DEKA Intelligent Technologies:  
Experts From the Start

## TRIACTIVE+

### BALANCE LEADS TO WELL-BEING

Cellulite, localised fat deposits and flabbiness are frequent and widespread aesthetic problems. Every day, millions of people seek less invasive methods for harmonious body contours.

TriActive+, the results of a lengthy scientific research and design, combines the actions of six different handpieces in a single platform. With the aid of the Dermodynamic method, the treatment becomes an integral part of complete body care.

TriActive+ can restore the patient's original body contour: regaining harmony and beauty is now possible without traumas or invasive methods.

*"TriActive+ is a workstation designed to facilitate our work. Simple and intelligent technology that ensures the patients' well-being and it is extremely versatile in the medical clinic. TriActive+ is effective for treatments known as non-invasive body shaping: it has an in-depth action on imperfections deriving from dysfunctions of the micro-circulation and is decisive in improving skin trophism.*

*Physicians, physiotherapists, and specialised operators can now utilize a single workstation for harmonising body contours and eradicating the signs of time: a far simpler, more powerful and more effective device than ever before."*

# MEDICINE AND AESTHETICS

## TRIACTIVE+

### TRIACTIVE+ : A REGENERATING ACTION FOR TOTAL BEAUTY

The causes of imperfections are multiple: only with the combined action of two or three different handpieces it is possible to address all the components of a specific dysfunction. In fact, to permanently remove an imperfection, all the systems of the human body have to be restored to proper working order.

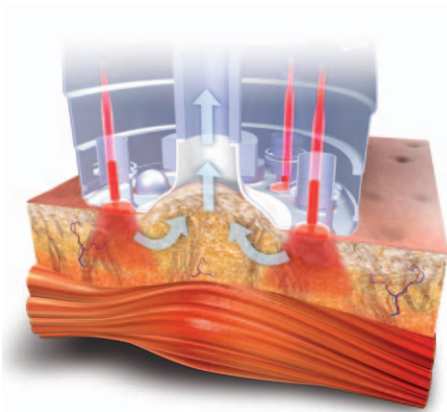
With its combined and complementary action, the TriActive+ platform employs laser, ultrasound and radiofrequency to combat imperfections such as cellulite, localised fat deposits and flabbiness.

Skin tightening and rejuvenation complete the excellence of the TriActive+ range of capabilities; a technology designed to restore the harmony of the body and eradicate the visible signs of aging.



<b>5</b>	Action principles: Laser, Ultrasound, Radiofrequency, Massage, Cooling.
<b>6</b>	Different handpieces for treating the face and body.
<b>7</b>	CW Diode lasers.
<b>2</b>	Different emission radiofrequencies.
<b>2</b>	Different ultrasound emission frequencies.
<b>14</b>	Treatment protocols saved in the system with the option of customising and upgrading the database.
<b>Over 1000</b>	Triactive systems sold in the world (data from January 2010).
<b>2001</b>	DEKA is the first in the world to introduce the Dermodynamic method for treating cellulite with a combined and synergic laser-massage-cooling action.
<b>100s</b>	Publications and editorials in journals worldwide.

## THE THREEFOLD ACTION OF THE LASER HANDPIECE



*The Laser Body handpiece combines in a single system three different actions that interact in synergy to restore the skin's normal homeostatic conditions.*

In 2001 DEKA designed an innovative laser handpiece with unique features. Equipped with three different technologies, the TriActive+ laser handpiece quickly restores the skin's normal homeostatic conditions with great benefits for the patient. The combined, synergic action of these three active principles stimulates the elimination of excess fluids and the toxic substances they contain. This is extremely beneficial in the presence of the first stages of cellulite, characterised by oedema and fluid retention. The laser action is especially important during these phases as it helps open the major lymphatic ganglia, favouring the expulsion of undesirable and harmful substances:

### **Action 1: Deep Laser Stimulation**

Triactive+ reactivates and boosts the arterial, venous and lymphatic micro-circulation, encouraging neoangiogenesis of the intradermal vessels. The laser light energy also has beneficial effects on fibroblast activity.

### **Action 2: Localised Cooling**

The localised cooling system boosts the volume-reducing effect, optimising reabsorption of the oedema by stimulating vascular gymnastics.

### **Action 3: Dermal Massage**

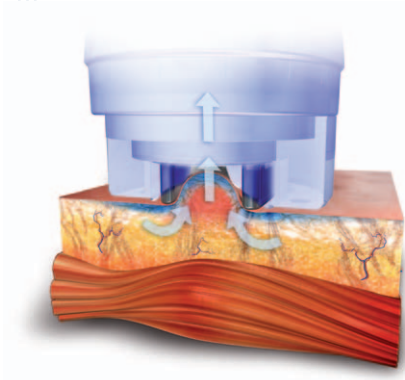
The rhythmic aspiration massage stimulates the lympho-drainage and tissue stimulation processes, enhancing restoration of the skin's normal collagen-elastic tension.



*With the Radiofrequency and Ultrasound handpieces, the TriActive+ action is even more powerful, effective and aggressive.*

*All the TriActive+ handpieces are ergonomically designed to ensure a comfortable grip for both right and left-handed operators and to allow for treating all parts of the body easily and effortlessly.*





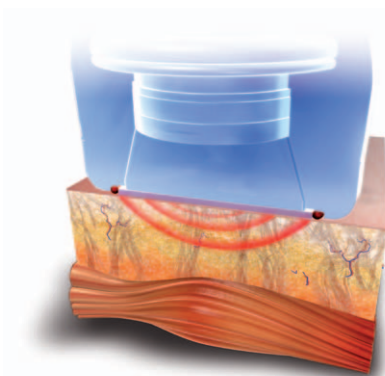
*The Body Radiofrequency handpiece employs bipolar technology with aspiration for selective heating of the skin fold only, with a deep and localised action on the dermis and hypodermis and restricted current dispersion.*

## THE RADIOFREQUENCY REVOLUTION: POWERFUL AND EFFECTIVE AGAINST ALL IMPERFECTIONS

The TriActive+ radiofrequency handpieces assist the laser light to eliminate cellulite and enhance skin trophism. Through the tissue gymnastics, activated by the operator using the handpiece, the radiofrequency stimulates contraction of collagen fibres, activating normalisation of the skin tone and reactivating micro-circulation and the drainage of excess fluids.

**The Facial Handpiece:** the multipolar technology of this handpiece reduces side effects and makes treatments easier to tolerate.

**The Body Handpiece:** the bipolar technology activates selective heating of the skin fold with a deep and localised action on the derma and hypodermis. The continuous cooling also makes it possible to preserve the more superficial layers.



*The Ultrasound technology has been completely renewed through the development of two body handpieces with different frequencies to ensure treatments tailored to individual requirements.*

## ULTRASOUND ELIMINATES CELLULITE AND RESHAPES TISSUE TEXTURE

The waves produced by the handpieces induce vibrations in the adipocytes: the deep mechanical massage acts effectively to reduce the fibroses, especially with advanced-stage panniculopathies. The new TriActive+ ultrasound technology stimulates vascular circulation and fluid drainage by means of special tissue gymnastics.

**The Deep Body Handpiece - LF:** the low frequency handpiece (36-39 kHz) is designed for the treatment of large body areas.

**The Shallow Body Handpiece - HF:** with the high frequency handpiece flexible treatments can be performed on more superficial and delicate areas.

*TriActive+ thus acquires an even deeper action for skin firming treatments, and is also excellent in new fields of application such as skin tightening.*

## DERMODYNAMIC: A SIMPLE METHOD FOR COMPLEX PROBLEMS

Skin imperfections often have several interrelated causes. To solve the problem permanently the whole body has to be treated. The aesthetic treatments become an integral part of a global approach.

When applied correctly, DEKA's Dermodynamic makes it possible to achieve outstanding aesthetic results and offer patients remarkable psychophysical well-being:

After collecting information about the patient's symptoms, motivations and goals, the professional identifies the protocols to use to address any type of body shaping and rejuvenation problem. Once the goal has been identified, the operator can select the correct sequence for use of the handpieces, depending on the specific technical specifications of each source.

By assessing the special features of each source, a generic treatment approach can be defined.

- **Ultrasound Technology**  
Mobilisation of the tissues reduces hyperplasia and hypertrophy of the reticular fibres.
- **Laser Technology**  
Draining of the oedema reduces venous-lymphatic stasis and fluid retention.
- **Radiofrequency Sources**  
Radiofrequency tones slack tissues and stimulates fibroblast activity.

*The combined TriActive+ laser, cooling, massage, ultrasound and radiofrequency actions reshape the tissues and enhance skin tone and elasticity.*



*Ergonomics and design come together in the TriActive+ system to create a perfect synthesis of technology and practicality.*

### **The Database: an Invaluable Tool From the Problem to the Solution**

TriActive+ is equipped with a database of complete treatment protocols, validated by researchers and physicians, conceived to guide operators in setting parameters correctly, and selecting the most efficient technology.



### Easy to Use Software with Simple, Direct and Intuitive Controls

The TriActive+ software is designed with a user-friendly touch screen interface. Guided by the **Dermodynamic** method, the software makes it easy for the operator to perform complete treatments, solving even the most complex problems.

## PRE AND POST TREATMENTS BODYSHAPING



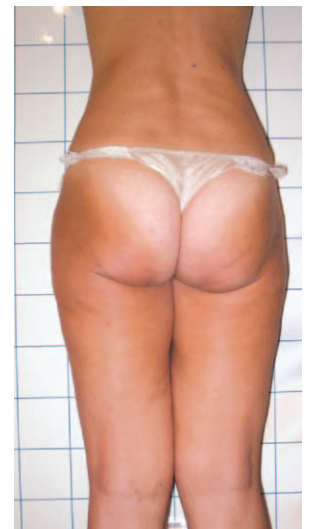
Courtesy of: P. Gilardino, MD and A. Pelosi, physiotherapist Milan, Italy.



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## TECHNICAL DATA

### Laser Face Handpiece

Laser Type	Diode - CW
Wavelength	808 nm
Power	1 W
Tuneable Massage:	
Repetition Rate	From 0.1 to 5 Hz
Duty Cycle	From 5 to 80%
Type	Monophasic / Biphasic / OFF

### Laser Body Handpiece

Laser Type	Diode - CW
Wavelength	808 nm
Power	1 x 6 W
Localized Cooling System	Adjustable From 18 to 28 °C
Tuneable Massage:	
Repetition Rate	From 0.1 to 5 Hz
Duty Cycle	From 5 to 80%
Type	Monophasic / Biphasic / OFF

### HF Ultrasound Handpiece

US Type	High Frequency (HF)
US Frequency	3 MHz
Power Density	< 3 W/cm <sup>2</sup>
Transducer Diameter	25 mm
Mode	CW-PW
Pulse Repetition Rate	From 2 to 10 Hz
Pulse Duration	From 10 to 200 ms

### LF Ultrasound Handpiece

US Type	Low Frequency (LF)
US Frequency	36 - 39 kHz (Sweep Mode)
Power Density	< 3 W/cm <sup>2</sup>
Transducer Diameter	70 mm
Mode	CW-PW
Pulse Repetition Rate	From 2 to 10 Hz
Pulse Duration	From 10 to 200 ms
Sweep Time (Sweep Mode)	From 1 to 99 s

### Radiofrequency Face Handpiece

RF Type	Multipolar
Frequency	1 MHz
Power	20 W (max.)

### Radiofrequency Body Handpiece

RF Type	Bipolar
Frequency	500 kHz
Power	50 W (max.)
Localized Cooling System	Adjustable from 18 to 28 °C
Tuneable Massage:	
Repetition Rate	From 0.1 to 5 Hz
Duty Cycle	From 5 to 80%
Type	Monophasic / Biphasic / OFF

### General System Specifications

Treatment Start Control	Footswitch or fingerswitch
Electrical Requirements	230 Vac / 2.6 A (max.) / 50-60 Hz
Dimensions and Weight	120 (H) x 48 (W) x 60 (D), 60 Kg



TREATMENT OF CELLULITE - LOCALISED FAT DEPOSITS  
FLABBY SKIN - ANTI-AGING - FLUID RETENTION  
HEAVY LEG SYNDROME

**TRI-ACTIVE+**

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