

MADE IN ITALY

# BIOTECITALIA

MEDICAL EQUIPMENTS



RF MONOPOLAR • RF BIPOLAR • CAVITATION AND RF MONOPOLAR • VACUUM • LIPOSHOCK

# CoaxMED

MULTIPLE SKIN AND LIPO TECHNOLOGIES



## The most thrilling non invasive face and body shaping technique as it treats both the skin and the fat cells.

*A total body reshaping with extremely effective and non-invasive methods. Ideal procedure for those people who either don't want, or don't believe they are old enough to have a surgical procedure.*

**Dr. A. Mohamed Sameh** - Dubai



*Effective to remove localized adiposity that cannot be removed with diet or exercise. Ideal for non-surgical tightening of the early signs of loose or sagging skin both for facial and body treatments. The procedures do not require anesthesia and patients can go back to the normal routine immediately.*

**Dr. A. Karlsson** - Sweden



*Several technologies in a single, easy to use, device. Radiofrequency treats skin laxity by facial tightening, is gives excellent results especially on patients with mild to moderate sagging of facial tissues. Low frequency ultrasound models human figures in a safe, effective and ever-lasting way, as well as lipo-freezing technique. Patients are extremely satisfied since they can appreciate from the very first sessions inch loss and skin texture improvement.*

**Dr. N. Volkov** - Ukraine



*The device provides a flexible customization and simplified operation. Lipo-freeze is the perfect treatment to treat localized adiposity, you can say that it is liposuction without surgery. Facial radiofrequency is extremely effective on forehead, eyebrows, cheeks, mid-face, jaw line, and neck; patients are enthusiastic, they simply look younger.*

**Dr. A. Borriello** - Italy

### Scientific Publications

Steven A. Teitelbaum et al. Plastic and Reconstructive Surgery 2007, 779-789. | J. Moreno Moraga et al. Lasers in Surgery and Medicine 39:315-323 (2007). | Rinaldi et al. Journal of plastic dermatology 2006, p. 17-22 | Basil M. Hantash et al. Lasers in Surgery and Medicine 41:1-9 (2009) | Mohamed L. Elsaie et al. Dermatologic Surgery 2010;36:577-589 | Swenson C. et al. Sand J Med Sci Sports 1996: 6: 193-200 | French SD et al., Published by JohnWiley & Sons, Ltd. 2011 | A. Tülin Güleç, International Journal of Dermatology 2009, 48, 265-270. | W.I. Worret, JEADV 2004, 18, 527-530

**UPGRADEABLE AND EXPANDABLE SLIMMING PLATFORM** FROM 1 UP TO 5 HANDPIECES

# CoaxMED

## Clinically proven results for face and body

CoaxMed is the most advanced body **reshaping workstation**, combining several technologies into one safe and non-invasive system for body and face contouring. The synergic action of different techniques quickly leads to amazing aesthetic results.

CoaxMed is therefore a technological platform that guarantees absolute efficacy: a real generator of beauty and wellbeing with a unique and exclusive design. Exclusive protocols have been developed by Biotec Italia experts in order to treat each body area (face, stomach, buttocks, legs, arms) with the most effective combination of treatments.

The **multifunctional technology** of CoaxMed (radiofrequency + acoustic waves + rhythmic vacuum massage + fat freezing) surprisingly increases the quality of the aesthetic results with the following applications:

- Facial toning and modeling
- Fat dissolving
- Body shaping and skin tightening
- Facial and body lymphatic drainage

Thanks to constant research and ongoing improvements, the Body Reshaping Family offers a wide portfolio of products, to easily choose the one that best meets your needs.



## ■ Radiofrequency

**Function** Bipolar/Monopolar

**Frequency** from 300KHz up to 1MHz

**Power** 130 W (max)

**Cryo** from 0° up to 28°C

## ■ Ultrasound

**Frequency** 28 KHz

**Power** 70W

## ■ Vacuum

**Suction** 66.6KPa (Max)

**Mode** Continuous/pulsed

## ■ General Features

**Treatment ignition** Footswitch

**Voltage** 100÷240 Vac 50/60 Hz

**Power** 450 W (max)

**Class** IB

**Dimensions** 740 x 560 x 1360mm

## Results

- Elimination of cellulite symptoms
- Reduction of localized adiposity
- Reduction of wrinkles and fine lines
- Improvement of acne and enlarged pores
- Skin tightening
- Long-term new collagen synthesis
- No patient recovery time
- Outpatient treatment

**CoaxMed** is a revolutionary equipment that combines the actions of five different technologies in a single platform, to achieve a powerful synergy able to produce dramatic improvement in several skin conditions. Physicians, physiotherapists and specialized operators can now use a single workstation to reshape body contours and eradicate the signs of ageing: the most powerful and effective device available on the market.

**CoaxMed** features the revolutionary combination of Monopolar and Bipolar Radiofrequency (RF), Cavitation Ultrasound, Vacuum Massage and Localized Fat Freezing.

**CoaxMed** consists of a 350-watt Radiofrequency generator that operates in a frequency ranging from 300 KHz up to 1 MHz and a 28 KHz Ultrasound generator. **CoaxMed** system, compared to other Radiofrequency or Cavitation devices is extremely versatile, due to a very sophisticated software. By modifying the RF frequency it is possible to selectively develop heat at different tissue depth. At the same time the RF pulse can be modified, through the RF modulation (RFM), to boost patient's tolerance to the treatment by pausing the RF emission (from 1Hz to 20Hz).

Through the use of simultaneous Monopolar Radiofrequency and stable Cavitation Ultrasound, deep and superficial uniform heating can be achieved to tighten the skin while removing fat cells. Pulsed Vacuum and specially designed suction cups for mechanical massage smooth out the skin to facilitate safe and efficient heat energy delivery, while a thermo-electric coupling tip cooler protects the epidermis. Furthermore a cup-like applicator can be placed directly on the desired area to cool down the fat tissue to near-freezing temperatures. This results in fat layer reduction; the treated fat cells will be then flushed out of the body naturally.





## Device Overview

### **Face/body RF Monopolar Procedure**

Monopolar procedure is primarily used to treat skin laxity by triggering tightening and is best suited to patients with mild to moderate sagging of facial or body tissues, usually those in their mid thirties to sixties, with any skin color. It works by producing heat when the tissue electrical resistance converts the electric current to thermal energy deeper within the dermis. The generated RF current flows through the body. The initial collagen structural change, which is created within these thermally modified deep tissues, causes immediate tissue contraction and subsequent formation of new collagen, thus leading to a lifting effect.

### **Face and Body Bipolar procedure**

With bipolar mode, the electric current flows only through the tissue area which is between the two electrodes on the handpiece's tip, generating a superficial arch of radiofrequency energy. Hence, bipolar delivery is used for best results in areas where the skin is finer (like forehead and crow's feet area).

### **CRF, Combined Cavitational and RF Monopolar Body Handpiece**

Body CRF procedure alleviates cellulite symptoms and shrinks fat by means of several mechanisms: adipocytes and fibrosis

disruption due to ultrasonic cavitation; dermal tightening due to thermal injury and heat delivery to blood vessels, which triggers a cascade of inflammatory events, including fibroblasts proliferation and up-regulation of collagen formation; enhancement of local blood circulation (vasodilatation and hyperemia) and drainage of fatty deposits to the lymphatic system.

### **Sub-dermal Massage using Vacuum (Face/Body RF Monopolar Handpieces)**

Vacuum and specially designed suction cups for Sub-dermal Massage, smooth out the skin to facilitate safe and efficient RF heat energy delivery, while draining fat and toxins to the lymphatic system and increasing blood circulation for more efficient results.

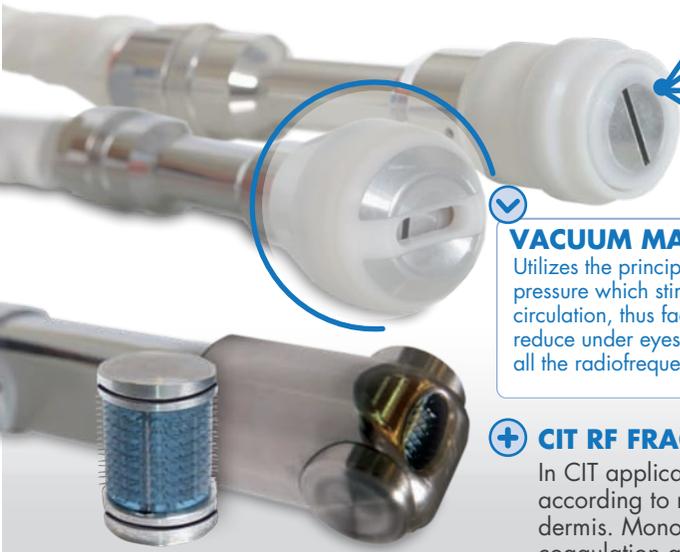
### **LipoShock Procedure**

The cells in our body react to heat or cold at different temperature levels. During the "LipoShock" procedure, the sophisticated device's applicator is pressed against the area to be treated thanks to the contemporary action of vacuum aspiration and support of an elastic band. A sequential process of intense heat (60°) and intense cold (-10°) is able to target and treat only the fat cells in that area. The procedure triggers on adipocytes a process called "apoptosis", which brings them to a natural physiological death. The body reacts with an inflammatory response that causes the natural dispose of the damaged fat cells. The procedure allows a significant reduction of the fat layer on the treated area.

# MONOPOLAR/BIPOLAR FACE PROCEDURE

## INDICATIONS

- ⊕ Sagging skin
- ⊕ Skin laxity
- ⊕ Superficial and deep wrinkles
- ⊕ Scars (acne scars included)
- ⊕ Acne and enlarged pores
- ⊕ Eyebrow lifting
- ⊕ Double chin reduction
- ⊕ Stretch marks
- ⊕ Hair loss

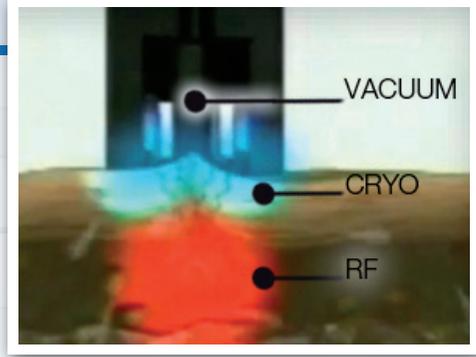


### VACUUM MASSAGE THERAPY

Utilizes the principles of changing air pressure which stimulates the blood circulation, thus facilitating drainage, to reduce under eyes puffiness and improve all the radiofrequency effects.

### ⊕ CIT RF FRACTIONAL NEEDLING

In CIT application, microneedles penetrate into the skin (penetration depth is adjustable according to needle's length). Microfractional holes are created on epidermis and dermis. Monopolar radiofrequency is emitted in deep dermis inducing dermal coagulation and deep penetration of meso-cocktails.

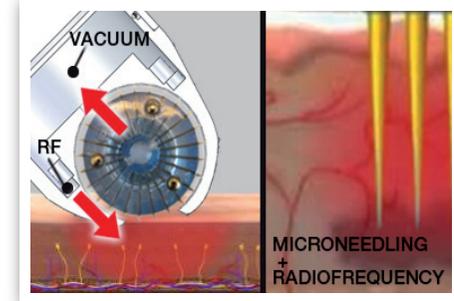


Monopolar or unipolar facial radiofrequency, refers to the RF being delivered by one pole or electrode on the applicator. Heating affects the superficial and deep tissue.

In the monopolar application, a grounding or "return pad" is used, placed on the patient's lower back. Bipolar refers to two poles or electrodes on the applicator.

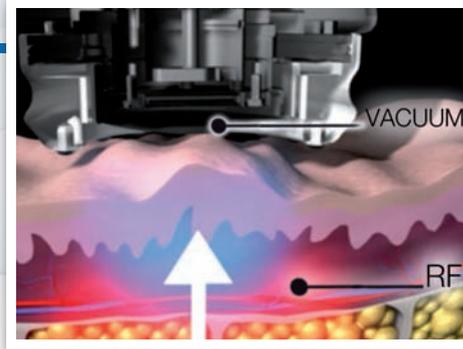
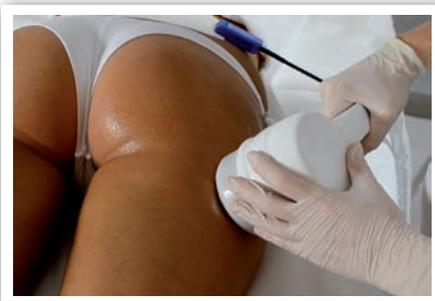
With bipolar delivery, the current flows only through the tissue which is between the two electrodes on the applicator. Heating affects the superficial tissue only.

The heating action delivered by the radiofrequency causes immediate collagen tightening.



# RF MONOPOLAR

## BODY PROCEDURE



Combines monopolar radiofrequency technology and vacuum therapy to initiate three different processes: deep tissue heating, mechanical stretch and mechanical massage.

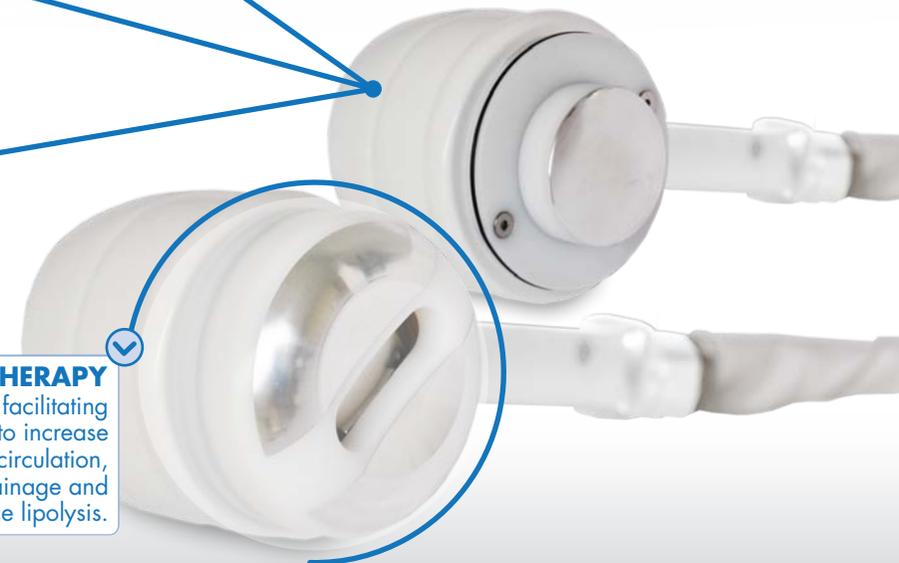
Monopolar radiofrequency technology delivers heat creating a stronger, more accurately distributed thermal response throughout all skin layers.

The result is a minimized appearance of lumpy skin, tissue tightening, fat shrinkage, improved skin texture and a visible reduction in circumference.

**THE VACUUM THERAPY** intensifies the treatment by facilitating deeper tissue penetration to increase local blood circulation, promote lymphatic drainage and induce lipolysis.

### INDICATIONS

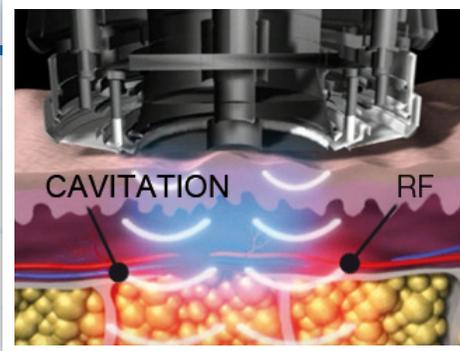
- Skin laxity ⊕
- Cellulite (all 4 cellulite stages) ⊕
- Swollen legs ⊕
- Oedema of fat tissue ⊕
- Buttocks lifting ⊕
- Arm and thigh lifting ⊕



# CRF: CAVITATION and MONOPOLAR RF

## INDICATIONS

- ⊕ Localized adiposity
- ⊕ Cellulite (all 4 cellulite stages)
- ⊕ Orange peel skin
- ⊕ Love handles
- ⊕ Culotte de cheval and knee fat
- ⊕ Waist reduction



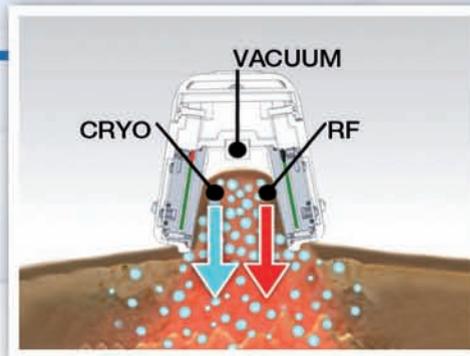
Unique simultaneous emission of high-power radiofrequency and high-power cavitation ultrasound.

Low frequency ultrasound destroys fat cell membranes thanks to the so called cavitation effect.

Monopolar radiofrequency: electrical currents within a frequency range of 300KHz to 1MHz intensively heat the dermis and the hypodermis to shrink the existing collagen fiber network.

Both ultrasound and radiofrequency currents enhance the absorption of active ingredients through the skin.





The area to be treated is sucked inside the handpiece and undergoes cycles of heating and freezing procedures.

During a period of 3 months, the treated fat cells undergo programmed cell death (apoptosis).

The body then excretes these fat cells as waste.

Non-invasive form of fat reduction with no down time.

The procedure results in a strong reduction of the fat layer on the treated area.

Possible areas to be treated: arms, abdomen, thighs, buttocks.

The treatment is not designed to lose large volumes of fat or for weight loss.

# LIPOSHOCK

## STANDARD and LARGE APPLICATOR

### INDICATIONS

Localized adiposity ⊕

Love handles ⊕

Coulotte de cheval ⊕

Knee fat ⊕

Lower stomach fat ⊕

Total abdomen reduction ⊕



## About Biotec Italia

Biotec Italia is a diversified Aesthetic and Well-being company, focused on improving people's lives through aesthetic innovations. Headquartered in Italy with a staff of about 50 employees, Biotec Italia operates in more than 50 countries worldwide. The company has continued to grow every year and is a market leader in clinically-proven aesthetic technology and skin health products.

Over the years, the company has developed primarily for the aesthetics, dermatology, plastic surgery and the related beauty and health markets. Through combining strong know-how and clinical expertise, Biotec Italia aims to create advanced aesthetic solutions for common and visible skin conditions in adult skin, including premature ageing, photodamage, hyperpigmentation, acne, sun damage, rosacea and soft tissue deficits, such as fine lines and wrinkles.

Our broad portfolio of innovative products includes a variety of aesthetic solutions: laser and light systems, radiofrequency, low and high frequency ultrasounds, skin peeling technology, needle free meso-therapy, bio-stimulating currents and advanced skin care formulations.

## Our Values

Biotec Italia strives to achieve unsurpassed excellence and reliability in manufacturing and supplying high quality industrial products and services to its customers, clients and partners. To reach this goal and assure "total customer satisfaction", all Biotec Italia employees are challenged to achieve the highest quality level in their daily tasks.

Our company is never satisfied with existing quality standards. The concepts of nonstop improvement, accountability and clear measurability are constantly implemented to assure ongoing quality enhancement. In addition, we require all our partners and vendors to fully participate with us in supporting this Quality Mission.

All aspects of our business, from initial product development until the final delivery of goods and customer service, will be examined to assure compliance with our Quality Mission and Medical ISO 13485 standards. Being in a competitive marketplace involves the responsibility to pursue vigorously this Quality Mission and to achieve continuous improvement, in order to deliver unsurpassed value to our customers, profit for our shareholders, a stable and pleasant work environment for our employees.



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