



*cryotherapy +  
ultrasound*

*For  
wellbeing  
of the body*





*Crystalize and eliminate  
any excess fat!*



*for a body  
that is*

- lighter,
- less swollen and gradually
- slimmer ...



## Cryoultrasound™ Aesthetic

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**Cryoultrasound Aesthetic** is an innovative medical aesthetic device, perfect for the non-invasive treatment of localized fat deposits, in particular for the treatment of "edematous fibrosclerotic panniculopathy" (E.F.S.P), commonly known as cellulite.

**Cryoultrasound Aesthetic** owes its effectiveness to the synergy of two therapeutic techniques combined together: cryotherapy and ultrasound therapy.

The combined action of these two technologies has a profound mechanical, antiedematogenic and circulatory effect, which is very **effective in fighting cellulite**.

This condition is characterised by subcutaneous edematous thickening and originates from circulatory deficiency.

## WHY ULTRASOUND AND CRYOTHERAPY?

Thanks to the *simultaneous use* of *cold* and *heat*, treatments with *Cryoultrasound Aesthetic* allow you to reduce localised fat deposits in an efficient and non-invasive way, *by crystalizing any excess fat*.

The combined use of ultrasound and cryotherapy produces mechanical, thermal and biological effects.

CRYOTHERAPY +  
ULTRASOUND =



## ...Further information

### CRYOTHERAPY

*Cryotherapy*, that is to say cold therapy:

- *tones skin tissue*;
- *increases circulatory activity*, which lies at the origin of cellulite, thanks to the difference in temperature between the derma and the underlying muscle;
- has an effect known as "*vascular gymnastics*", alternating phases of induced vasoconstriction with phases of reflex vasodilatation: in fact, through Cryotherapy, the fat cells (adipocytes) crystallize, triggering the cryolipolysis process indicated by the formation of a lighter-coloured area; a marked redness will be visible after the treatment, caused by the compensating vasodilatation process.

Treatment with *Cryoultrasound Aesthetic* can easily be combined with other technologies: the use of complementary treatments can strengthen the beneficial effects of *Cryoultrasound Aesthetic* making it possible to obtain even better results.

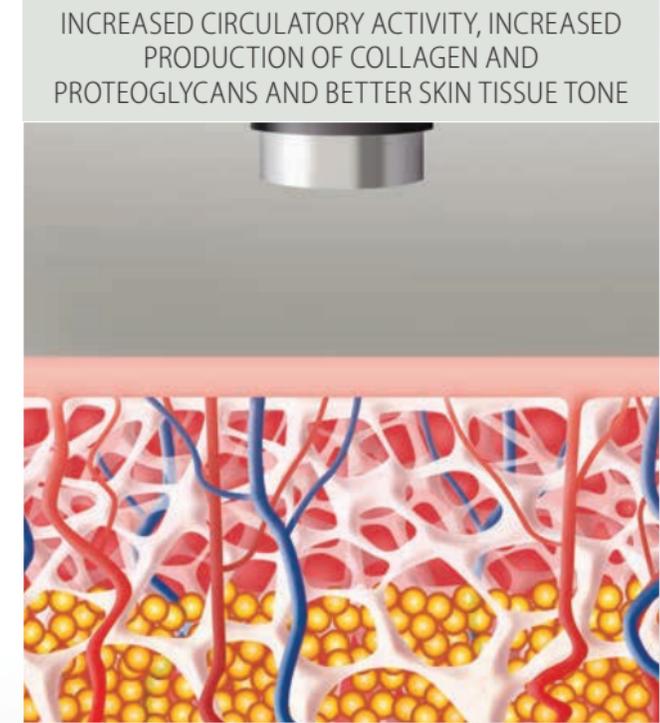
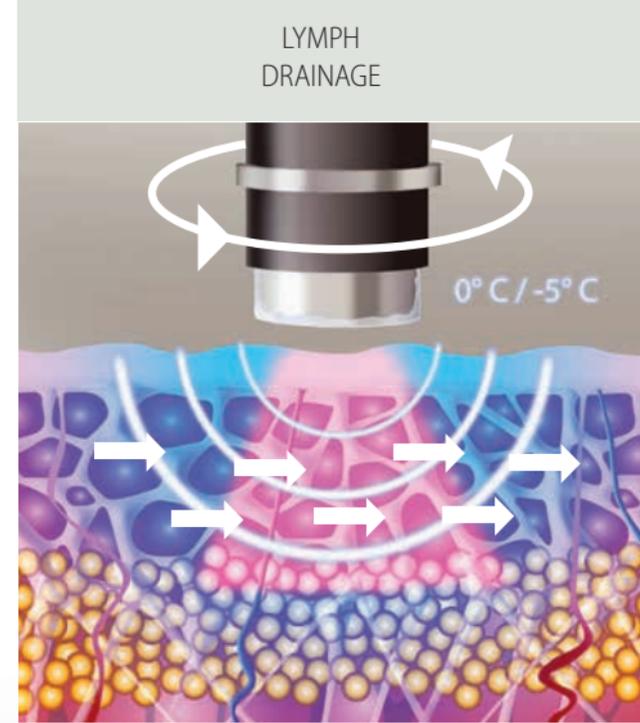
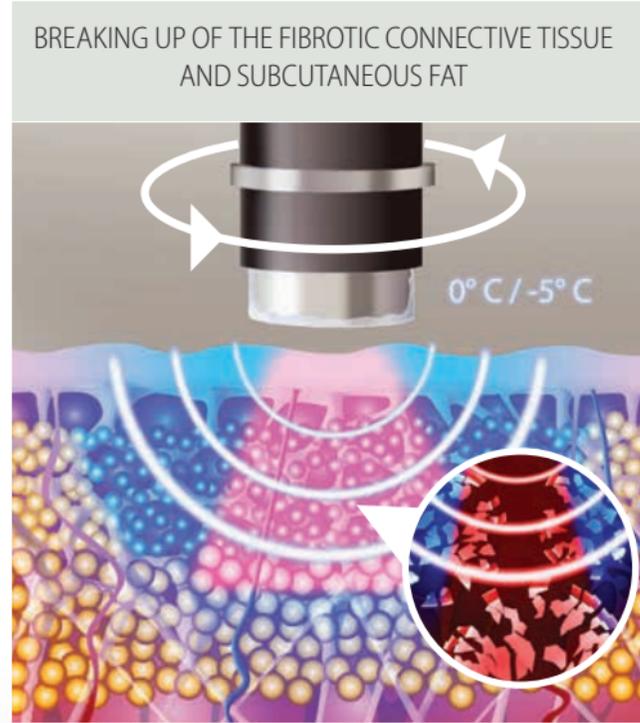
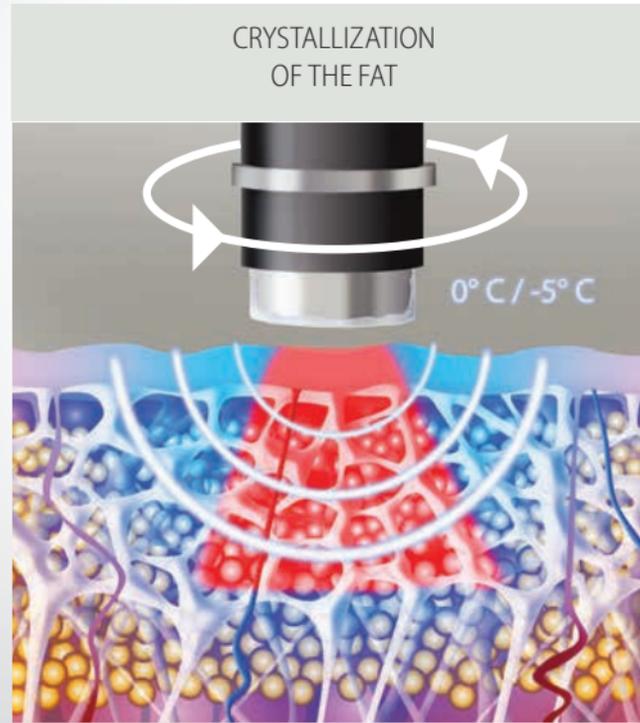
### ULTRASOUND

*Ultrasound* consists of high-frequency sound waves that have the following therapeutic effects:

- they generate mechanical action, effective up to a depth of about 3 cm, which consists of a *micromassage that promotes an antiedematogenic action* and gradual breaking up of the fibrotic connective tissue and subcutaneous fat;
- *they increase the amount of collagen and proteoglycans* produced by connective and muscle tissue cells as a result of mechanical stress;
- *they improve circulation* and intercellular renewal because they increase cell wall permeability, thereby acting at cellulite's point of origin;
- they cause *vasodilatation*, increased blood flow and increased cell metabolism thanks to heating of the deep structures: vibrations generated by the impact and friction of cell and intercellular structures hit by the ultrasound waves have a *thermal effect*;
- finally, upward movements of the handpiece facilitate *lymph drainage*.

RESTRUCTURING  
STAGES

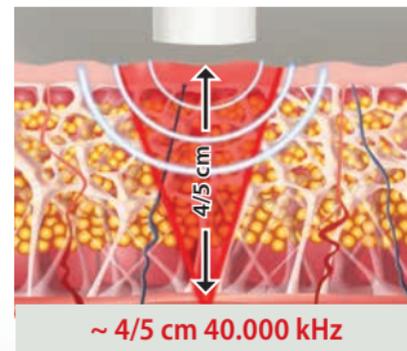
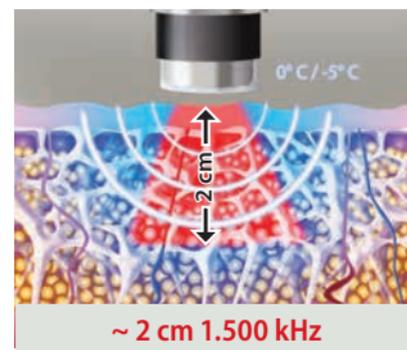
*...the benefits of Cryoultrasound Aesthetic!*



## HOW DOES IT WORK?

Apply the appropriate gel to the area to be treated and apply the handpiece:

- Proceed, ***treating the area with small, slow and concentric movements***, focusing on areas where localized fat deposits are located.
- ***Upward movements*** are recommended for treatment of the legs to ***encourage lymph drainage***.
- ***The treatment is painless and lasts on average about 20 minutes***, depending on the thickness of the panniculus adiposus and the area to be treated.
- The ***temporary discomfort*** caused by the low temperatures is very brief thanks to the anaesthetizing effect of the cold. The hyperaemia and heat experienced after the treatment only last for a few hours.
- Patients can continue with normal activities after the treatment.
- To accelerate the ***elimination of toxins***, it can be helpful to administrate fluids during the 24-hour period after the treatment.





## Technical features:

**MAX ULTRASOUND OUTPUT POWER:** 1,5 Watt /cm<sup>2</sup>

**OPERATING FREQUENCY:** 1 MHz +/- 5%

**SAFETY CLASS:** 1 type BF

**CRYOTHERAPY:** adjustable up to -10 C°

**WEIGHT:** 30 kg

**DIMENSIONS:** 66x37,5x93 cm

**POWER:** 650 Watts

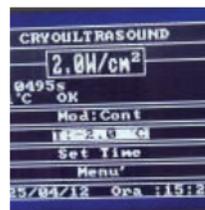
**TRANSDUCER:** piezoelectric ceramic

**DISPLAY:** digital display



### FAST COOLING

Thanks to the new volumetric expansion system that amplifies the performance of the device, the head can be cooled down very quickly and the temperature can be controlled in an optimum manner.



### INTUITIVE MULTILINGUAL DISPLAY

Effective and reliable, Cryoultrasound is equipped with a convenient, multilingual, digital display from which a vast range of preset therapeutic protocols can be selected.



### EASY TO MOVE AROUND IN YOUR STUDIO

Occupies a small amount of space and is very convenient to use and functional thanks to practical wheels that facilitate its movement.



## Medisport recommends



### Hydrogel

Non-greasy, water-soluble gel containing 20% Dead Sea salts.

#### notes:

Recommended for massages.  
Non-greasy and easily absorbed.

#### method of use:

Apply directly onto the area to be treated. Any excess product remaining at the end of the treatment can be removed with a gauze or similar.



### Diatherm conductive cream

Moisturising cream especially rich in minerals that aid its electroconductive properties.

#### notes:

Ideal for energy transfer treatments (capacitive and resistive) administered with a suitable electromedical appliance, but recommended for CRYOULTRASOUND treatments as it does not freeze on contact with the head, and will maintain its energy transfer properties.

#### method of use:

Apply to the area to be treated forming a thickness of about 1 mm, adding more cream during the treatment if needed to maintain smooth movements.

*To make your applications with Cryoultrasound Aesthetic more effective!*

PURCHASE ONLINE AT [www.medisport-store.it](http://www.medisport-store.it) - Call centre info: +39 0773 636100

# Would you like to know more about Cryoultrasound™?



**CONTACT** our sales office

They will be happy to answer your questions.

**REQUEST** a free, no obligation quote

by writing to:

**info@medisport.it**

**SEE** our scientific references on our website

**www.medisport.it**

**ASK THE EXPERT:**

send your queries to:

**expert@medisport.it**

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