

## CRYOSOUND

### Criotherapy and ultrasound

Thanks to the combination of ultrasound and cryotherapy, CryoSound is particularly effective for the **treatment of painful and inflammatory states**, including acute, subacute e chronic. The heat administration and subtraction active several biological effects with considerable **advantage** for rehabilitation activity, allowing recovery faster and more functional the thermal shock, in very short times it obtains important draining effects on hematomas and edema, stimulating the benefits of microcirculation and deep hypertonia.



THERMAL SHOCK



ULTRASOUND



CRYOULTRASOUND

### THERAPEUTIC EFFECTS:

- ✓ ANTI-INFLAMMATORY ACTION
- ✓ MUSCLE RELAX ACTION
- ✓ FIBRINOLYTIC ACTION
- ✓ TROPIC EFFECT
- ✓ ANALGESIC EFFECT



#### EASY USE

Preset protocols and 7 touch screen



#### THERMAL SHOCK

Draining effects on hematomas and edema



#### QUALITY / PRICE

One device, three methodicals



#### VERSATILE

Even non-operator dependent



#### TRANSPORTABLE

## THE CRYOULTRASOUND THERAPY

It exploits the combined action of two different physical-therapeutic modalities: **cryotherapy** and **ultrasound**. Cryotherapy is generally considered a fundamental component of most popular strategies about muscle unjuri and has shown its effectiveness reducing edema and pain in short time. Ultrasounds consist of high-frequency sinusoidal sound waves that can induce tissue effects, in line with the temperature variations, such as: increased blood flow, action on collagen fibers and reduction of muscle contracture associated with a pro-inflammatory response that stimulates reparative processes. Other effects are attributable to the stimulation of fibroblast activity, the increase in protein synthesis, tissue regeneration, and the stimulation of bone turnover.

**It is a new technology that integrates and increases the benefits of ultrasound with those of cryotherapy**, without possible complications of the thermal effect and improving the therapeutic and biological action.

## THE THERMAL SHOCK

**Modulated combination of vasodilation and tissue vasoconstriction that allows to exploit the effects of the thermal variations induced in the various districts.**

Thermal shock is effective in the early stages of rehabilitation with action suitable for reducing pain perception, reducing edema, improving joint ROM. Temperature variations stimulate microcirculation, tissue factors and inflammation remodeling the connective tissue of tendons, capsules and periarticular soft tissues.

## BENEFITS OF TREATMENT

The combined use of cryotherapy and ultrasound determines mechanical and biological effects:

- Reduction pain and inflammation;
- Blood Flow and microcirculation stimulation;
- Increase of metabolism and cell turnover;
- Increase of local drainage.

## TECHNICAL SPECIFICATIONS

**Emission:** continuous and pulsed

**Power:** max 3W/cm<sup>2</sup>

**Frequency:** 1Mhz / 3Mhz

**Temperature:** from -4° to +45°

**Schermo touch:** 7 inches

**Medical Class:** II b (93/42 CEE)

**Safety Class:** I BF (CEI EN60601-1)





## APPLICAZIONI



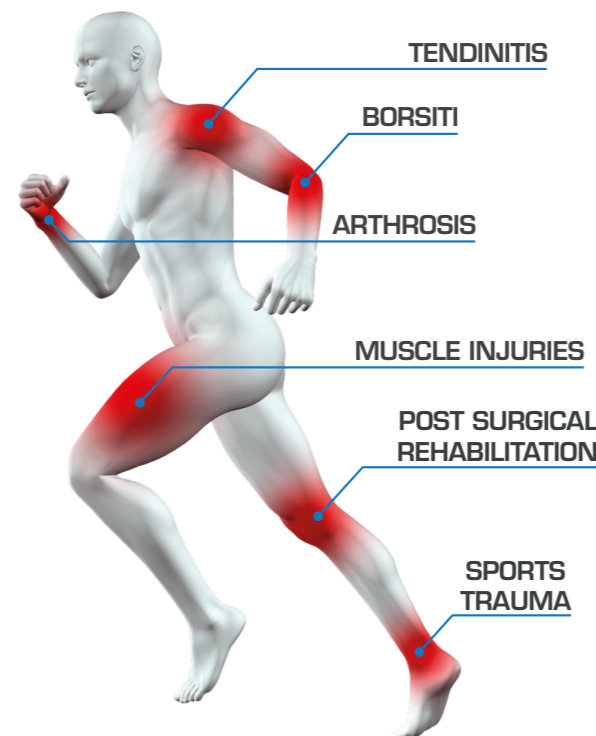
The anti-inflammatory action of ultrasounds is combined with the analgesic, anti-edema action, pain reliever and anti-inflammatory of cryotherapy.

This makes the CRYOSOUND treatment particularly effective for muscle injuries and tendinopathies, in the acute subacute and chronic phase.

Also taking advantage by the effect of Peltier cells, the device is able to generate a controlled thermal shock in a short time.

Realizable with the simple movement of the hand, this heat administration and subtraction proves particularly effective on edema and hematomas; useful for anti-inflammatory after exercise, it can be also used for scar treatment.

The treatment is painless and it's long 15 minutes, in line with the kind of treatment.

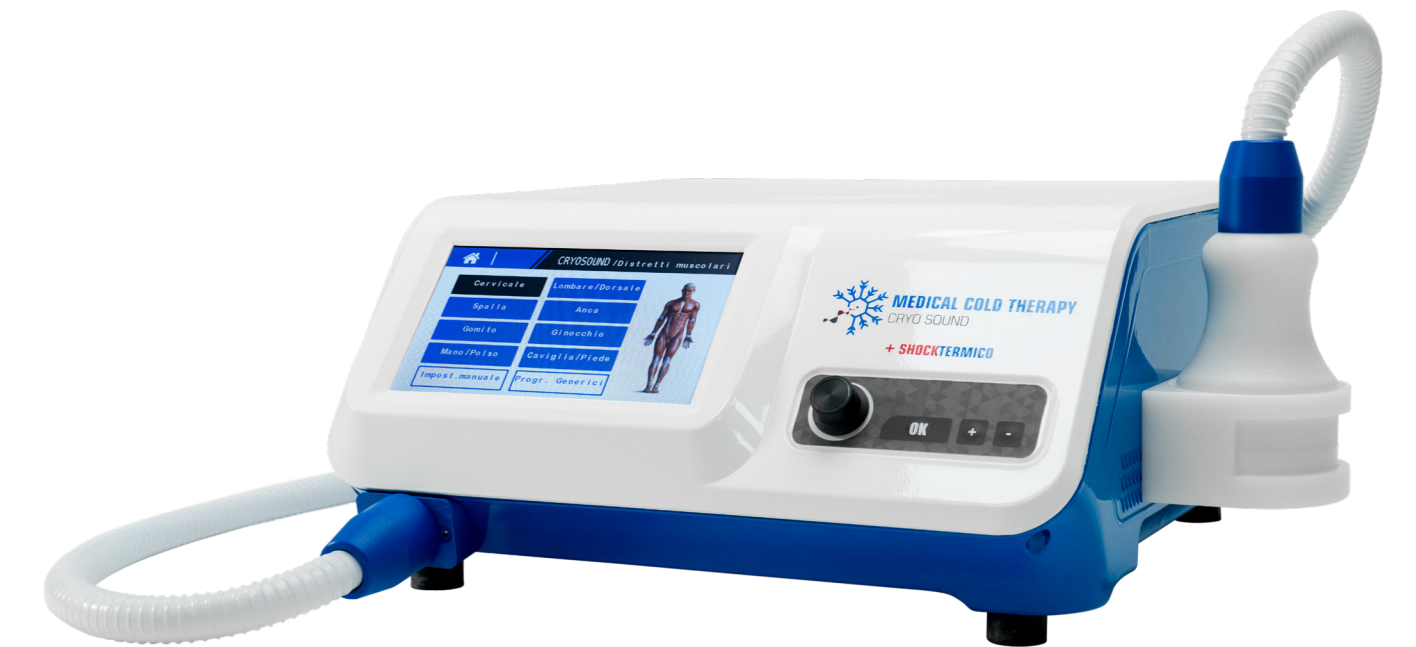


# MEDICAL COLD THERAPY CRYO SOUND



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**CRYOSOUND** + **SHOCK TERMICO**



*One device, three methodicals*

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