

Imperium

A unique feature of Imperium Med 400 is its ability to select on each handpiece a needed vibropercussion mode. This helps to amplify and activate microcirculation with an endothermic massage and a uniform deep heat production without a heat peak effect in the tissues (as demonstrated by laboratory tests, and capable of amplifying the biological therapeutic effects). Great versatility and expandability was achieved by the system of a single cable with a pressure connector (plug & treat).



This equipment (like other models), is equipped with the TSL (Thermal Saturation Level) a means of thermal saturation, practically each handpiece of each actuator that is sensitive to detecting changes in temperature increases until it reaches the target temperature limit programmed. This device is useful so one knows exactly that the same amount of electromagnetic energy was applied as intended by the pre-selected program.



If required you can connect the handpieces for ultrasound energy supplies at a frequency range from 40KHz to 1MHz for targeted therapies.

ACTUATORS **diatermologie**



CAPACITIVE ELECTRODE CONVEX



RESISTIVE ELECTRODE CONVEX



RESISTIVE CAPACITIVE Multiaction ELECTRODE



RF THERMO-BOX-GYM ACTUATOR



RF-ACTUATOR T-POINT



RF-SELECTIVE SPOT



ELECTROPORATION HANDPIECE



ULTRASOUND LOW FREQUENCY (cavitation) HANDPIECE



0.6-1MHz ULTRASOUND HANDPIECE



SONOBLADE

prof:www.brera.com

Imperium[®]future ACCOUNT

CONTACT US NOW
0974 19.36.516

WE THOUGHT OF THE
FUTURE OF YOUR CENTER

Imperium

diatermologie



MED
400

SPECIFICHE TECNICHE

- Capacitive Power 400 W max
- Resistive Power 360 W max
- Frequency from 300 KHz to 1 MHz
- Dimensions: 48x43x22cm
- Weight (excluding accessories): 14 Kg
- Color display 5.7 inch TFT with 320x240 pixel resolution
- Foot pedal
- Options and power level can be selected using keyboard membrane and control knob from the equipment
- Protection from static shock
- Protection against accidental short circuits between the neutral plate and electrode
- Equipment Classification IIa
- Classification for electrical safety classification I, type BF

brera
medical technologies

CE MADE IN ITALY
COMPANY WITH CERTIFIED QUALITY MANAGEMENT SYSTEM
UNI EN ISO 13485:2004 - UNI EN ISO 9001:2008
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www.breramedical.com

DIATERMOCONTRACTION
AND VIBRATION *
*International patent

ACTING IN DEPTH
MAXIMUM EFFICACY

IDEAL FOR POST-SURGICAL
TREATMENTS



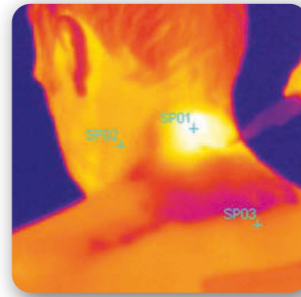
diatermologie®

Diatermologie (Trademark Brera medical technologies) is the new frontier that studies and exploits the curative effect of the heat, unlike other forms of thermotherapy acts in depth because the heat is generated directly within the biological tissues.

Not only the heat produces therapeutic effects but also the bioelectricity of this form of energy. In fact, even in athermal, has the ability to reactivate cellular metabolism and eliminate toxins, accelerating the healing process.

Diatermologie is widely applied in physiatric medicine, sports - and orthopedic medicine, rheumatology and rehabilitative medical aesthetics.

Due to its physical principles, the **Diatermologie** demonstrates the capabilities of electromagnetism transforming into radio frequency that is penetrating biological tissues irradiates from the surface down to deeper and deeper layers, as well as any form of physical therapy, exercising its effectiveness in different parts of the body such as muscles (muscular diatermocontraction), adipose tissue (lipolisi), connective tissue (collagen regeneration), skin and bone (eutrophic and repairing), the vascular tissue (vasodilation and capillarization) through its action on the pain, on the tissue tropism, on the inflammation, on vasodilatation, on the muscle strength.



IMPERIUM MED 400 ADVANCED BIOMEDICAL TECHNOLOGY



This technological marvel represents the latest invention born at Brera Medical Technologies. It belongs to the Imperium line, a family of highly technological devices for physiotherapy treatments in medicine. The Imperium Med 400 works through the emission of energy flows (radiofrequency) of high intensity (400 watts) that develop endogenous heat.

It is characterized by a technology uncommon in its kind, protected by patents, which synthesizes, thanks to its high power output and the modulation possibilities of its electromagnetic flow both in intensity and frequency, its exclusivity of application broadening the fields and methods of it.

This equipment comes from a choice of intelligent energy able to give a definite therapeutic effect, having been designed to activate, accelerate and amplify the effects of intra-and extracellular human tissue freeing them from dysfunctional and pathological conditions.

The characteristic of this device is its wide range of application, thanks also to its large number of accessories that complement it, encouraging the application of diathermy energy to painful, dysfunctional and dystrophic conditions interesting each type of biological tissue, with or without vibratory stimulus of medium frequency and combined or not with the effects of maximized muscle contractions:

- **Endogenous Thermotherapy (diathermy)**, by energy transfer inside the tissue in capacitive and/or resistive mode.
- **Striated and smooth muscle contraction in a superficial and deep way**, combined or not with the action of thermotherapy.
- **Mechanical vibration in addition (infrasound)**

Imperium®



OPERATIVE MODE

Imperium Med has different ways of working that identify different modes of therapeutic applications able to enhance the effectiveness of the therapy session itself and can give selective indication of the pathology.

Diathermy* in: athermal, hypothermia, hyperthermia

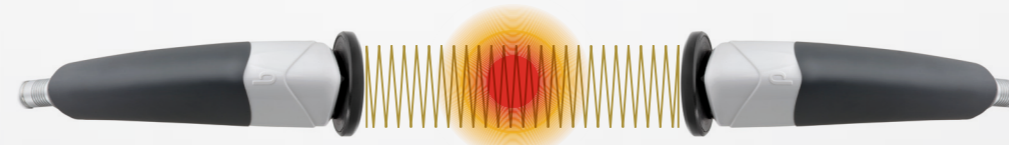
Diathermy and Vibration*

Diathermy, Vibration and Contraction*

Diathermy and Contraction*

Contraction in different application methods: sport, fitness, beauty, vascular, rehab, relax, personalized

* Patented system

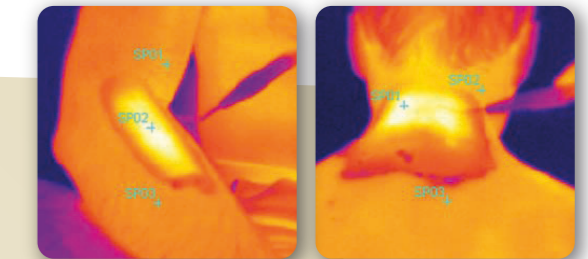


MED
400

IMPERIUM MED 400: ACTION AND EFFECTS OF DIATHERMY

Pain Releasing Action

Analgesic effect and desensitization with reduction of the sensitivity of trigger points, deactivation of nociceptors, increased production and release of endorphins and increase of the pain threshold.

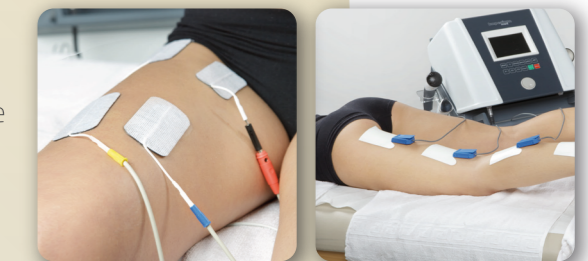


Neurotrophic Action

Regenerating and repairing effect on all types of tissues with increased permeability and cellular osmolarity, metabolic activation and removal of catabolites, resulting in anti-edema and anti-inflammatory response.

Neuromuscular Action

Muscle relaxant and excitation-contraction effect proportional to the amount of energy delivered and the consequent muscle trophic response, relaxant, muscle contracting and de-contracting. Also of extreme muscle contraction both superficial and deep, of smooth and striated type of muscles.



Neuro-Vascular Action

The effect of hyperthermia is proportional to the amount of energy delivered and thereby increasing the circumferential bloodstream, lymphatic drainage, increased oxygenation of tissues and cell metabolism.

FIELDS OF APPLICATION diatermologie®

Physical medicine and rehabilitation

- Orthopedics and Traumatology
- Sports Medicine
- Rheumatology
- Neurology
- Vascular Surgery
- Dermatology
- Ophthalmology

Esthetic rehabilitation Plastic Reconstructive Surgery

- Skin tissue
- Muscle tissue
- vascular tissue
- Adipose tissue
- Connective tissue

Cosmetics Applications

- Facial Aesthetics
- Body Treatments
- Fluid retention
- Acne
- Muscle aesthetics
- Hypotonia

