



MEDI LASER 15 ED

TO TREAT ACUTE AND CHRONIC PATHOLOGIES,
SUITABLE FOR ALL YOUR THERAPEUTIC NEEDS.



- MUSCLE AND JOINT ANALGESIC EFFECT
- ANTI-INFLAMMATORY EFFECT
- BIO-STIMULATING EFFECT

HUMAN HEALTH **MEDISPORT** FOR REHABILITATION AND SPORT MEDICINE

Human Health is a **Medisport** line dedicated to rehabilitation and sports medicine.

This stems from decades of experience offering a wide range of medical equipment and products specific for rapid recovery from several diseases, injuries and accidents exploiting completely safe and non-invasive technologies, supported by scientific reports.

The continuous update and collaboration among their team, research centers, sports staff and universities has allowed to reach prestigious results.

MEDI **LASER 15 ED** “**E**NERGETIC **D**IFFUSION”

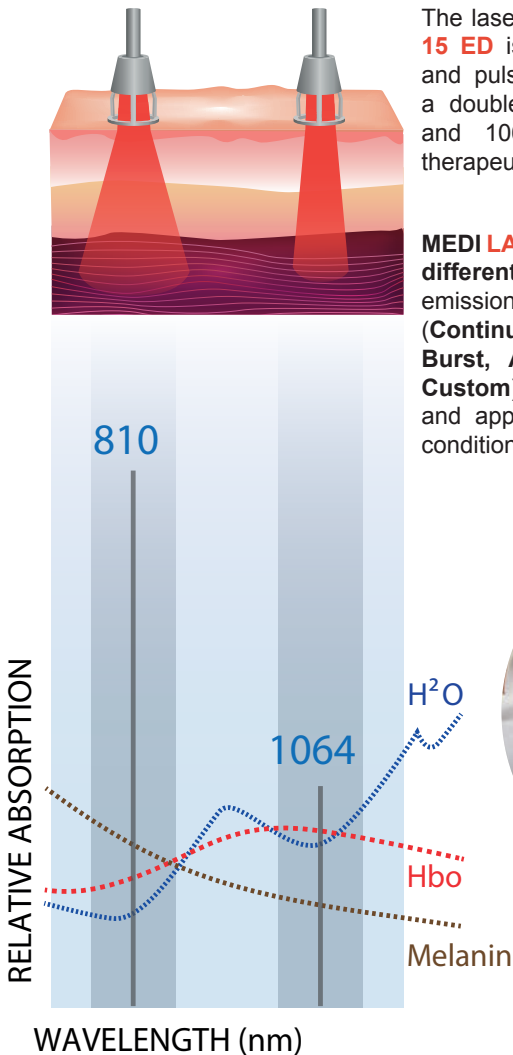
THROUGH THE USE OF **TWO DIFFERENT WAVELENGTHS**, 810 NM (25%) AND 1064 NM (75%),
MEDI LASER 15 ED OFFERS AN INNOVATIVE THERAPEUTIC OPTION THAT ALLOWS A
WIDER AND DEEPER **E**NERGETIC **D**IFFUSION.



MEDI LASER 15 ED TO TREAT ACUTE AND CHRONIC PATHOLOGIES

MEDI LASER 15 ED is a new accurate high power laser therapy device able to treat acute and chronic pathologies, suitable for all your therapeutic needs.

In fact **MEDI LASER 15 ED** has the most modern and **advanced semiconductor technology** that besides allowing incredible performance, provides a clear advantage in size and cost.



The laser emission of the **MEDI LASER 15 ED** is wider than other continuous and pulsed laser, because acting with a double wavelength, 810 Nm (25%) and 1064 Nm (75%) provides greater therapeutic efficacy.

MEDI LASER 15 ED in fact, acts with **two different wave length** in one unique laser emission and different emission modes (**Continuous, Single Impulse, Pulsed, Burst, Anti-inflammatory, Stochastic, Custom**), making treatment more flexible and appropriate to the patient's clinical condition.



MEDI LASER 15 ED

CHARACTERISTICS AND OPERATIONS

MEDI LASER 15 ED provides 7 emission modes, each one different for benefits and laser impulse characteristics, for the best treatment of patient pathologies both in acute and chronic phase.

MEDI LASER 15 ED

7 EMISSION

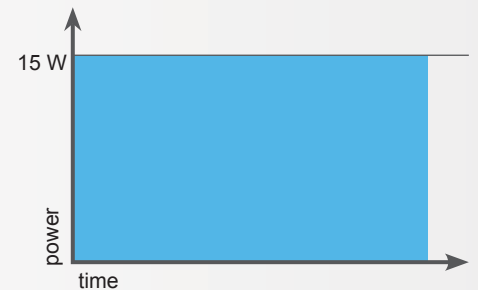
MODES

- **CONTINUOUS MODE (CW)** • **SINGLE PULSE MODE**
- **PULSED MODE** • **BURST MODE (Train of impulses)**
- **ANTI-INFLAMMATORY MODE** • **STOCHASTIC MODE**
- **CUSTOM MODE (Duty – Frequency regulation)**

CONTINUOUS WAVE EMISSION

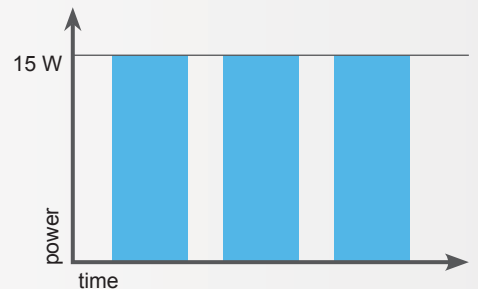
Mode that triggers the processes of cell biostimulation, increases the production of ATP, activates a tissue regeneration process and consequently accelerates the movement recovery. Scientific studies on the effects of laser therapy demonstrate that a laser pulse must have a duration of at least 100 ms to activate cellular bio-stimulation.

The cell, stimulated by the laser beam thus tends to “recharge” itself of energy, returning to the primary physiological function. The mode of continuous emission is suggested in those diseases where the **lesion is deep**.



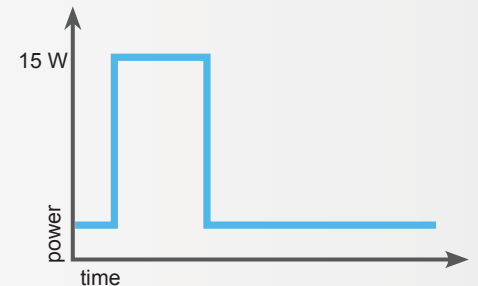
SINGLE PULSE

The laser emission occurs with a single high-energy pulse, whose dosage is accurate and effective. The wideness of the single pulse is defined by the operator, this ensures a targeted action.



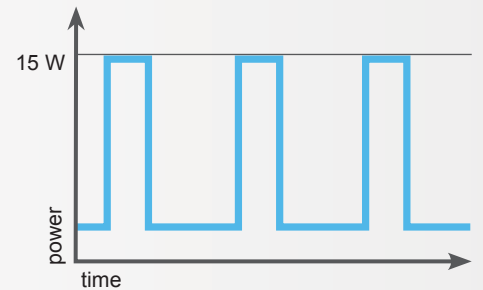
PULSE MODE

This mode is suggested in **Acute Phase**, since optimizes the pro and anti inflammatory action, increases the bio-stimulation with lower thermal impact. This mode allows also to adjust the laser emission according to the phototype.



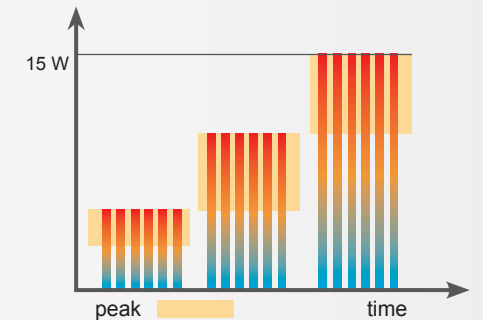
BURST MODE

This mode is characterized by a train of high intensity pulses particularly suitable in Chronic Phase. The train of pulses allow a rapid inter-articular angiogenesis action and the restore of cellular homeostasis.



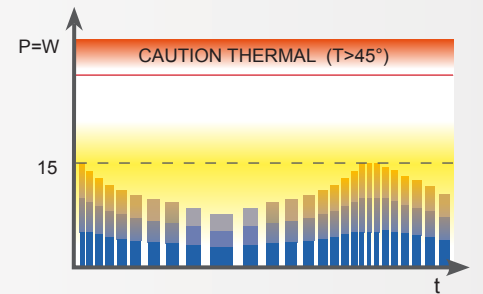
ANTI- INFLAMMATORY MODE

Pulsed mode with specific setting for anti-inflammatory action. Through a local vasodilatation, the process of neo-angiogenesis ensures the reactivation of the lymphatic and blood circle with the elimination of catabolites and inflammation products.



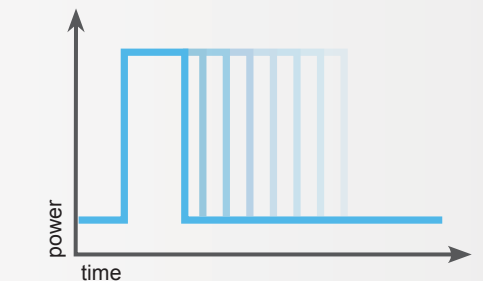
STOCHASTIC MODE

this mode generates laser impulses with variable power that correctly interacts with the peripheral nervous system. This laser emission, with its comfort heat and the thermo mechanical action on peripheral receptors, creates an analgesic action.



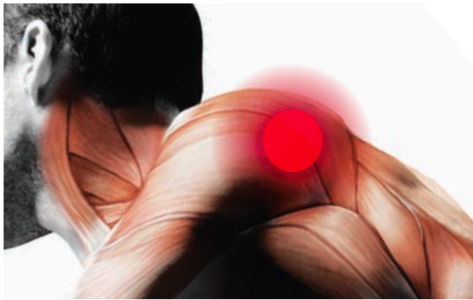
CUSTOM MODE

It is possible to customize the output by adjusting the settings of duty cycle and frequency parameters, allowing you to "draw" the pulsed and super-pulsed mode according to the characteristics of the pathologies.



MEDI LASER 15 ED

PROVIDES OPTIMAL THERAPEUTIC EFFECTS



MUSCLE AND JOINT ANALGESIC EFFECT

thanks to the energetic modulation, helps reduce pain without side effects.

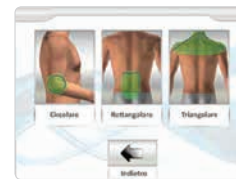
ANTI-INFLAMMATORY EFFECT

thanks to deep biological stimulation of tissues, facilitates vasodilation, increasing the oxygen supply and activating the main metabolic activities.

BIO-STIMULATING EFFECT

thanks to the stimulation of cellular energy processes, increases the tissue re-modelling through stimulation of collagen production.

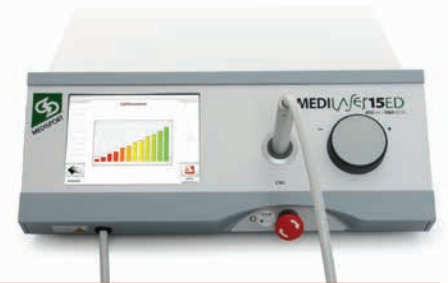
MEDI LASER 15 ED contains a Pathological library with related interactive protocols for each pathology divided by acute and chronic phase. The software also provides the security of an immediate graphical feedback, displaying power, time and effective delivery of the device. The software shows also the image of the intervention mode on the patient.



MEDI LASER 15 ED has a safety system for the **control of temperature** on the laser head so that you can always check that the device is working properly.



TEMPERATURE CONTROL



In the NEW **MEDI LASER 15 ED** the emission can be regulated by setting **timer and Joule** parameters. The operator can set the time of treatment and, in Joule mode, can also set the energy quantity of the therapy. In this way the Trigger Point can be better treated, once the desired therapeutic quantity has been delivered a beep warns the operator, allowing to treat another Trigger Point.



TIMER JOULE



MEDI LASER 15 ED

TECHNICAL FEATURES

Technology	Real-Time operating System
Wavelength	810 nm (25%) + 1064 nm (75%)
Guide Light	650 nm - 3 mW
Laser power	15 W
Maximum Power density	3W/cm ²
Maximum Energy fluence	3J/ cm ²
Emission	Continuous (CW), Pulsed, Super-pulsed, and Stochastic
Operation mode	Manual, Single Pulse, Burst and Custom mode
Special modes	Joule mode, Timer mode, Trigger Point mode
Effect Mode	5 specific emission modes to maximise the 5 main effects of laser therapy: Bio-stimulant, Analgesic, Anti-inflammatory, Anti-edema, and Tension Relief.
Pathologies	Over 60 pathologies with interactive illustrations and protocols sub-divided by phase
Calibration	Graphic and acoustic control system for laser emission at handpiece exit in accordance with CEI EN 60825-1 regulation
Display	"Colour TFT 5.7" Touch - screen
Supply	100÷240V 50+60Hz
Absorption	160 VA
Dimensions	345 x 350 x 130 mm
Weight	4.8 kg
Laser Class	IV
Conformity	IEC/EC 60601-1 60601-1-2
Certification	CE0068
Directive 93/42	Classification IIb



MEDI LASER 15 ED has two practical and functional patented spacers with magnetic graft.

MEDI LASER 15 ED it is supplied with trolley suitcase.



Want to learn more about Medi Laser 15 ED?

CONTACT our sales office
our operator will respond your issues.

REQUEST free no obligation quote

Writing an e-mail to:

info@medisport.it

REQUEST from abroad

Write an e-mail to:

export@medisport.it

THE EXPERT will reply to queries

Write at:

expert@medisport.it

READ our scientific references on our website

www.medisport.it

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