



iLux Light

SMART

LIGHT FOR HEALTH

WHAT IS iLUX LIGHT SMART?

THE PERFECT COMPROMISE BETWEEN PERFORMANCE AND FUNCTIONALITY

iLUX LIGHT SMART is an advanced and compact laser therapy device and it is the result of over 35 years of experience in the design of medical laser system.

iLUX LIGHT SMART is **light, compact** and **easy to use**: these peculiarities, combined with its **performance** make it the perfect companion for every therapist that needs an **intuitive and solid device** by its side during everyday's work.

iLUX LIGHT SMART is safe, non-invasive, painless and effective and it allows to customize the therapy in order to treat different musculoskeletal disorders.



COMPACT AND LIGHT
FOR TRANSPORT



EASY AND INTUITIVE
TO USE



FULL CONTROL VIA
TOUCH SCREEN



DIFFERENT APPLICATORS
FOR A BETTER TREATMENT



EMISSIONS IN A
SINGLE LASER



PROTOCOLS BY EFFECTS
AND BY PATHOLOGY

LIGHT AND COMPACT



Mectronic with **SMART line** has created a new range of products that is **more compact, portable** and **easier to use**, able to offer an effective therapy for every need.

The SMART line is the **perfect solution** for the therapist looking for a device of reduced dimension, without however renouncing to the **excellent performance** and ease of use that characterize the Mectronic devices.

CONTROL AT YOUR FINGERTIPS



SIMPLE AND INTUITIVE

SMART is the **keyword** of this line of Mectronic's products: every device of this line is designed to be easy to use and have an intuitive user interface.

iLux Light SMART is "plug and play", after turning on the device it's already possible to operate and treat with only a couple of touches. Anyway, if there's the need for more specific treatment, iLux Light SMART offers a wide number of customization options, allowing the operator to optimize the therapy for every occasion.

Thanks to its 7" touchscreen, the MecOS OMNIA system guides the operator through the management of the therapy in a simple and intuitive way - guaranteeing practical results from the very first use.

The user interface is designed to be clear to use and navigate, allowing the operator to set up the therapy with few quick steps.

The technology used in the iLux Light SMART guarantees its power and accuracy, and effective treatment for all your therapeutic needs.



VERSATILITY AND EFFICIENCY

iLux Light SMART's handpiece is designed to be comfortable and solid, without sacrificing the versatility that is necessary for an effective therapy.



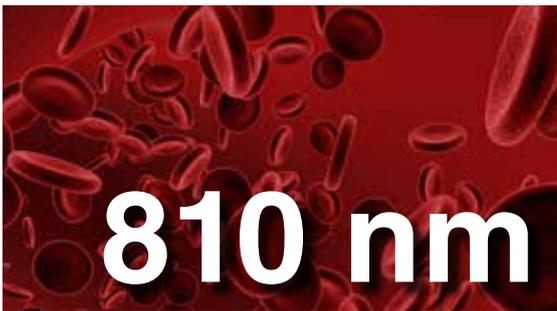
MAGNETIC ATTACHMENT

For this reason, Mectronic has redesigned ergonomics and redesigned the handpiece functionality for even simpler and more effective therapy.

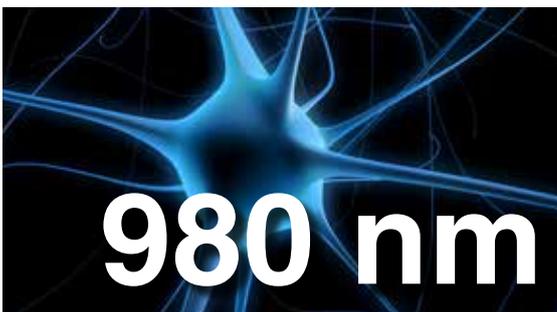
The innovative ultra-compact and ergonomic Smart Blade handpiece is born.

3 AVAILABLE WAVELENGTHS

The **three available wavelengths, 810 nm, 980 nm and 1064 nm**, have different characteristics, above all in their specific interaction with chromophores:



The 810nm wavelength allows rapid activation of the process of haemoglobin oxygenation: transferring the correct energetic supply to muscles and tendons, facilitating regeneration.



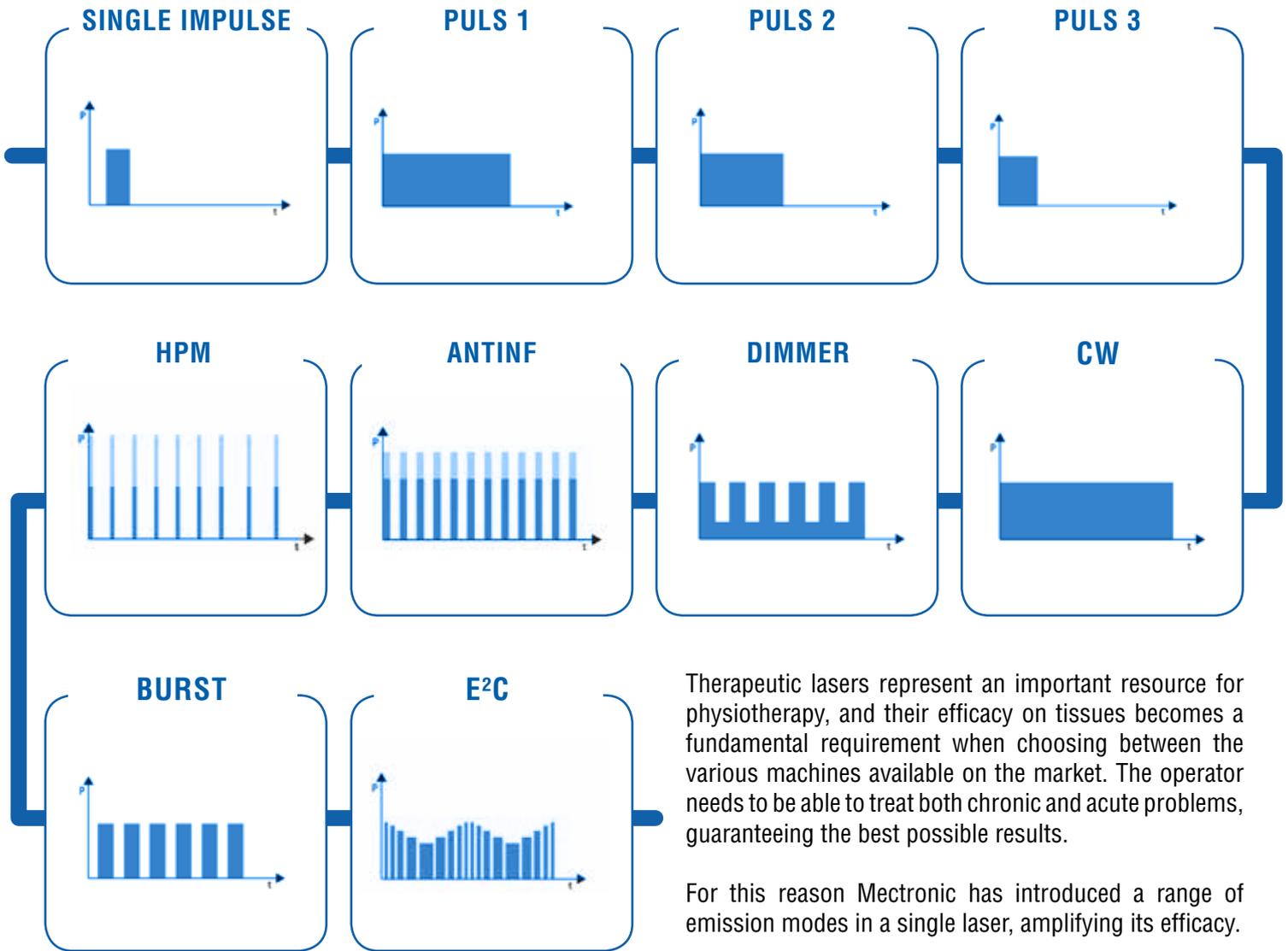
The 980nm wavelength optimizes the action on thermo and mechanical receptors. When associated with the E²C mode it ensures correct interaction with the peripheral nervous system, activating the Gate Control mechanism for a rapid analgesic effect.



The wavelength with the least dispersion within biological tissues. Its high level of directionality allows the correct dose of energy to be aimed directly at the noxa.

The result is a perfect synergy which harmonises the rapid analgesic effect with the control of inflammatory processes and the deep activation of metabolic processes vital for all cellular activities.

10 EMISSIONS IN A SINGLE LASER



Therapeutic lasers represent an important resource for physiotherapy, and their efficacy on tissues becomes a fundamental requirement when choosing between the various machines available on the market. The operator needs to be able to treat both chronic and acute problems, guaranteeing the best possible results.

For this reason Mectronic has introduced a range of emission modes in a single laser, amplifying its efficacy.

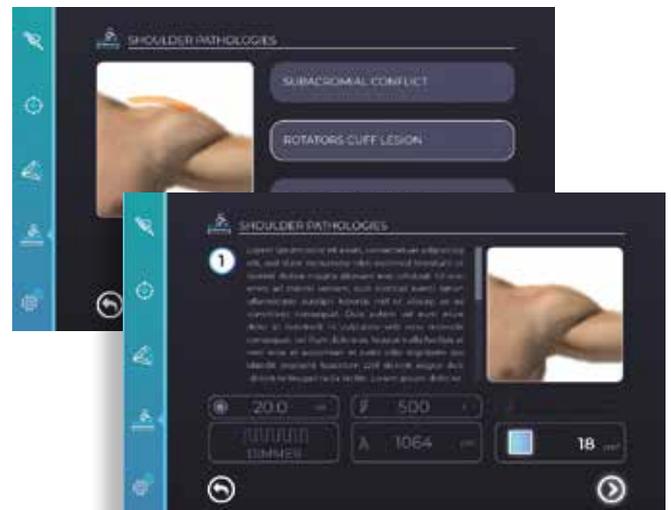
TREATMENT MANAGEMENT

PATHOLOGY LIBRARY

The library includes over 30 pathologies with relative interactive protocols. The software also gives immediate graphical feedback, which shows power, time, and effective energy supplied by the system.

TREATMENT GUIDE

The pathology library includes a dedicated protocol for each pathology, both acute and chronic. The user interface clearly explains how to treat the patient thanks to detailed guides.



A PROTOCOL FOR EVERY NEED

In order to personalize even more your therapy, iLux Light SMART is equipped with different types of protocols that allow every therapist to find the right solution for his need.



TIME MODE

The Time Mode allows the therapist to set a determined period of time during which the therapy is carried out.



JOULE MODE

The Joule Mode allows the therapist to set the determined amount of energy that is needed for the treatment.



PATHOLOGIC PROTOCOLS

iLux Light SMART features a complete pathology library with over 30 therapeutic protocols, to treat the most common problems. The software also offers the safety of immediate visual feedback which shows power, energy emission mode, therapy time and the area of treatment.



EFFECTS PROTOCOLS

iLux Light SMART allows the operator to work in order to achieve specific effects: **Biostimulant, Analgesic, Anti-Inflammatory, Anti-Edema and Decontracting.**

SCANX MODE



TIME OPTIMIZATION

Thanks to a patented magnetic system, **iLux Light SMART can be used easily as an operator-independent laser.** With one simple command it is possible to change mode.

The essential, innovative and practical safety button allows the patient to stop the therapy at any point during treatment.

Flexibility, practicality, and high therapeutic performance: **iLux Light SMART is the ideal partner for your daily working routine!**



TECHNICAL SPECIFICATIONS

SOFTWARE

Real-Time **proprietary MecOS OMNIA**

WAVE LENGTHS

810nm - 980nm - 1064nm

GUIDE LIGHT

650 nm - 3 mW

POWER

Up to 10W

EMISSION MODES

Continuous (CW), Single Impulse, Puls 1, Puls 2, Puls 3, Dimmer, Antinf, Burst, E°C and HPM

WORKING MODES

Joule and Time mode

EFFECT MODES

5 specific emission modes to maximize the 5 main effects:
Biostimulant, Analgesic, Anti-Inflammatory, Anti-Edema and Decontracting

PATHOLOGIES

Over 30 pathologies with interactive illustrations

CALIBRATION

Calibration Graphic and acoustic control system for laser emission at handpiece exit in accordance with norm. CEI EN 60825-1

DISPLAY

Capacitive colour touch-screen TFT 7"

POWER SUPPLY

100 ÷ 240V 50 ÷ 60Hz

ABSORPTION

160 VA

DIMENSIONS

320 x 245 x 130 mm

WEIGHT

Device: 3 Kg

LASER CLASS

IV

CONFORMITY

IEC/EC 60601-1-60601-1-2

CERTIFICATION

CE0051

DIRECTIVE 93/42

Classification IIb



ACCESSORIES



BIG APPLICATOR
Ø 35 mm
Magnetic attachment



SMALL APPLICATOR
Ø 25 mm
Magnetic attachment



SPHERICAL APPLICATOR
Magnetic attachment



SCANX BIG CONICAL APPLICATOR
Ø 120 mm



SCANX SMALL CONICAL APPLICATOR
Ø 70 mm



SCANX ARM

OUR SPORT PARTNERS



ATALANTA B.C. 2018/19

FORNITORE UFFICIALE



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