



OUR DEVICES

40 YEARS OF EXPERIENCE

10 PATENTS

67 COUNTRIES

23000 SOLD DEVICES

1982

MECTRONIC BIRTH

The engineer Gian Carlo Aloisini founded Mectronic together with other partners.

1984

THE FIRST LASER

The first superpulsed semiconductor laser system is designed and manufactured.

1985

THE FIRST SCAN LASER

The Mectronic Medicale team designs and builds the first Laser Scanner available in four different configurations: He-Ne, GaAs, CO2 and Nd:Yag.

1986

THE FIRST ND:YAG LASER THERAPY IN THE WORLD

Mectronic designs the world's first continuous emission Nd:Yag laser for physical therapy. Power laser therapy is born.

1997

FP3 SYSTEM

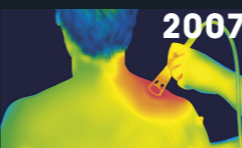
Mectronic designs, manufactures and patents the world's 1st semiconductor laser with 3 wavelengths (FP3 System).

1998

DOUBLE WAVELENGTH LASER

Mectronic starts production of the first double wavelength lasers (810nm + 980nm), with semiconductor technology without liquid cooling.

2007



THERMAL CONTROL

Mectronic patents the 1st system to measure, process and monitor skin temperature during treatments.

2012

DOCTOR TECAR

Mectronic presents Doctor Tecar, tecar's new state-of-the-art therapy device, equipped with innovative Switching Real Time technology.

iLux

Mectronic launches on the market iLux, the lightweight, powerful and compact HEL Polymodal Laser therapy device.

2020

NEW PRODUCTS

Mectronic presents the new range of products for laser therapy, tecar therapy, shockwaves and Chelt Therapy.



2005

OVER 3000 LASER SOLD ALL OVER THE WORLD

2006

PHARON DIATHERMY

Mectronic Medicale designs the first Tecar multifrequency therapy with manual, automatic and automatic sequential application.

2009

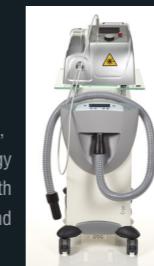
E²C: STOCHASTIC PATENTED EMISSION MODE

Mectronic creates and patents the innovative low thermal impact stochastic emission mode that generates laser pulses that vary in duration and intensity.

2010

CHELT THERAPY

Chelt Therapy is born, the innovative synergy between 3-wavelength power lasertherapy and -35° dry cryotherapy.



2017

THEAL THERAPY

Mectronic patents and presents the innovative THEAL THERAPY, the unique, targeted and personalized therapeutic method, which expands the application possibilities of phototherapy and laser therapy.

CHELT THERAPY



(Cryo High Energy Laser Therapy) is the innovative synergy between cryotherapy with dry cold air with thermal control and THEAL laser therapy, which maximizes therapeutic results in both the acute and chronic phases.

THERMAL SHOCK

thanks to the synergy between cryotherapy with dry cold air at -30 ° C and THEAL laser therapy and thanks to the patented system of thermoregulation of the tissues, it generates a highly performing thermal stress

THEAL THERAPY

with optional automatic mode **ScanX**

A COMPLETE RANGE OF WAVELENGTHS

possibility of combining the best therapeutic mix of wavelengths in a single device.

INNOVATIVE SYSTEM FOR THERMAL CONTROL

Automatic adjustment of the laser emission based on the temperature detected on the patient's tissue.

AUTOMATIC MODE SCANX (optional)

Operator-independent application via arm, application bell and thermal control.



16W
Power and Wavelengths
650 nm - 2W
810 nm - 7W
1064 nm - 7W

30W
Power and Wavelengths
650 nm - 2W
810 nm - 8W
980 nm - 10W
1064 nm - 10W

Size
516 x 516 x 1017 mm

IXYON XP

50W

Power and Wavelengths
650 nm - 2W
780 nm - 10 W
810 nm - 8W
905 nm - 10 W
980 nm - 10 W
1064 nm - 10W

Size
516 x 516 x 1017 mm



LASER THERAPY

ADVANCED SCANNING MODES

different modes for the emission of laser scanning treatment: vertical, horizontal and circular.

WIDE AND COMPLETE PATHOLOGICAL LIBRARY

therapeutic protocols specially designed and divided according to the anatomical area to be treated.

PRESET PROTOCOLS FOR THE 5 MAIN EFFECTS

>biostimulating >anti edema
>anti-inflammatory >analgesic
>decontracting



OPTON 8000

Power and Wavelengths
980 nm - 0,5 W
1064 nm - 4 W
1064 nm - 10 W
10600 nm - 20 W
10600 nm + 1064 nm - 22 W
1210 nm + 810nm + 1064nm - 22W

Size
950x1680x560 mm

iLux PLUS

Maximum powers and Wavelengths
650 nm - 2 W
1064 nm - 10, 15, 20, 30 W
810 nm + 980 nm - 10, 15, 20, 30 W
810 nm + 1064 nm - 10, 15, 20, 30 W

Size
516 x 516 x 1017 mm



TECAR THERAPY

with optional automatic mode **AVx**

ADVANCED TECHNOLOGY BIOTRANSFER

effective tool for measuring the amount of energy transferred to tissues

APPLICATION MODES

allow you to customize the therapy by selecting one of the different working modes available: Resistive, Capacitive, Custom and **Swing**

AUTOMATIC MODE AVx (optional)

optimization of working times thanks to this operator-independent mode



DOCTOR TECAR XP

Power
300 VA
(900 Wpp)
Frequencies
from 200 kHz to 3 MHz
Size
300 x 450 x 1070 mm

DOCTOR TECAR PLUS

Power
200 VA
(600 Wpp)
Frequencies
300 kHz - 448 kHz - 500 kHz
750 kHz - 1 MHz - 1.2 MHz - 1.5 MHz
Size
516 x 516 x 1017 mm



SHOCKWAVE

TISSUE TARGET SYSTEM

allows you to set a more focused therapy according to the tissue, the desired effect and the patient's characteristics

MAGPULSE TECHNOLOGY

the innovative and advanced electromagnetic generator with which it is possible to generate less painful impulses, called Ultra Soft Pulse

SWING MODE

it allows to modulate the frequencies used during therapy according to the specific pathology and the specific patient.



PULSWAVE PLUS

Power Level
Da 50 mJ (< 1 bar)
a 200 mJ (> 5 bar)
con step di 10 mJ

Frequencies
da 1Hz a 25 Hz

Size
516 x 516 x 1017 mm

SMART LINE

LIGHT AND COMPACT

The SMART line devices have small dimensions and weight to be easily transportable and always ready for use.

SIMPLE AND INTUITIVE

The innovative software and intuitive graphical interfaces allow you to easily use the devices of the SMART line right from the first use.

iLux SMART

with optional automatic modes **ScanX**



Size
290 x 265 x 150 mm
(senza carrello)

Wavelengths and Maximum Power
650 nm - 0.5 W
650 nm - 1 W
810 nm - 7 W
810 nm - 10 W
1064 nm - 10 W
1064 nm - 15 W

DOCTOR TECAR SMART

with automatic mode **AVx**





Frequencies
448 kHz
750 kHz
Power
70 VA effettivi
(210 Wpp)
Size
90 x 265 x 150 mm
(senza carrello)


OUR SPORT PARTNERS



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