

04

Synergy of technologies for the non-surgical treatment of skin blemishes.

BIOTECHNOLOGY
AND CERTIFICATE
COMPANY



biotec italia
Medical



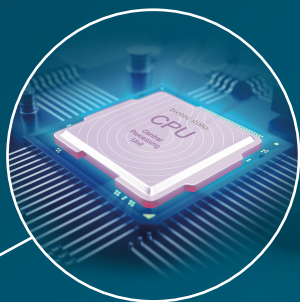
BIOSTIMULATION
AND BIORIVITALIZATION
OF THE SKIN

introject

biotec italia

intraject

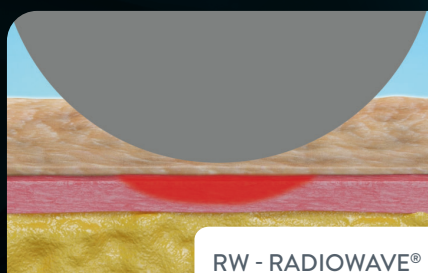
Innovative clinical applications.



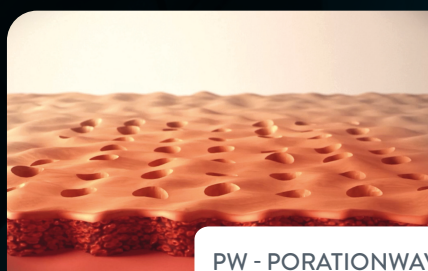
UNIQUE TECHNOLOGICAL INNOVATIONS

Biotec Italia platforms introduce a new concept based on the latest hardware and software design. Our research and development team develops next generation hardware solutions for the high-tech and high-performance medical industries, allowing constant system update to eliminate the problem of technology obsolescence.

Maximum power and performance, always guaranteed.



RW - RADIOWAVE®
Tissue Diathermy



PW - PORATIONWAVE®
Virtual Electropores

DUO MODALITY

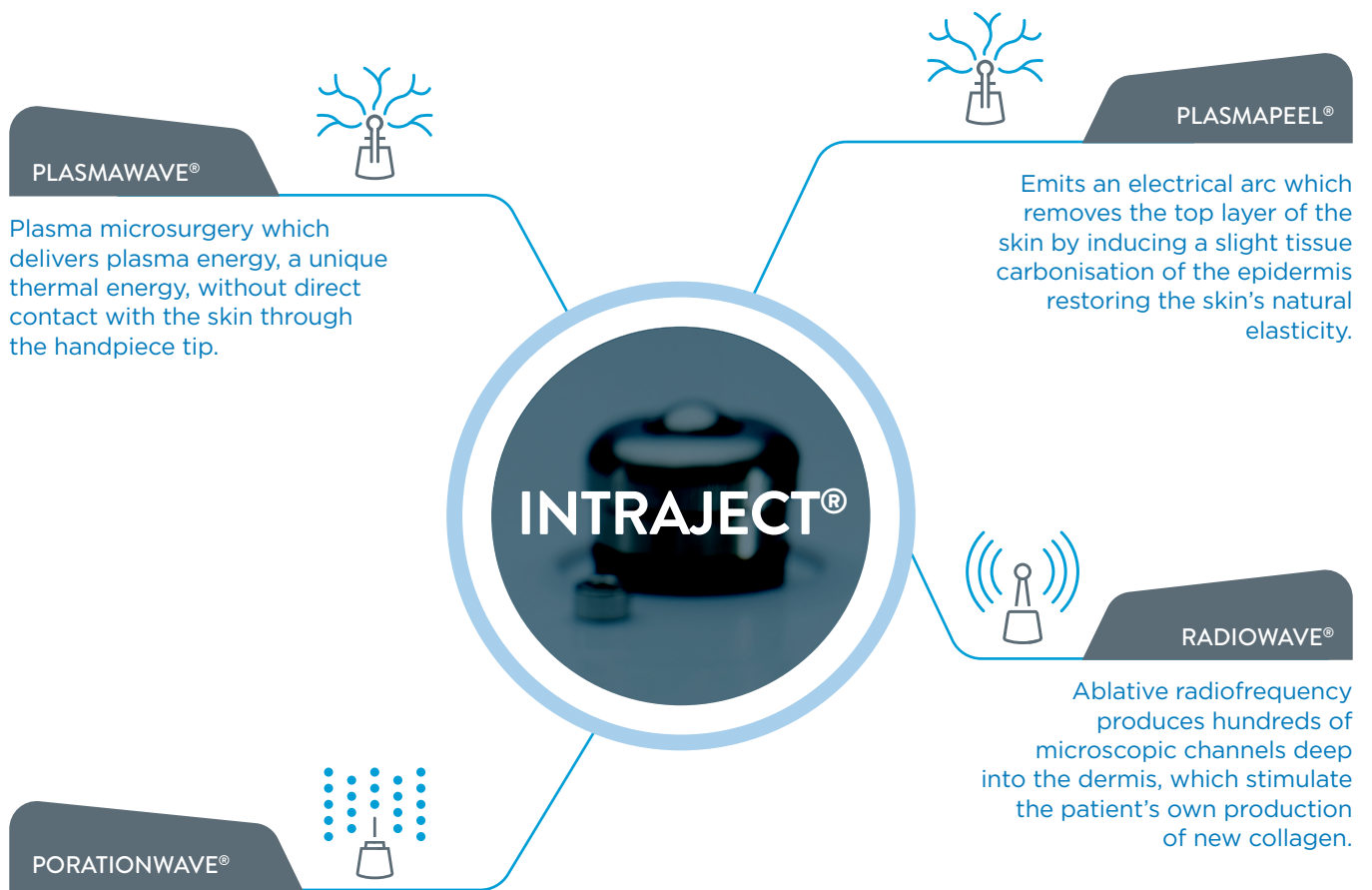
RW - RADIOWAVE

Fractional radiofrequency features radiofrequency to treat skin laxity. Ablative radiofrequency produces hundreds of microscopic channels deep into the dermis, which stimulate the patient's own production of new collagen.

PW - PORATIONWAVE

The Mesowave procedure differs from the commonly used electroporation modality, by using a roller electrode to create a deep and uniform electric field in the skin, causing an enhanced transport efficiency even at a low voltage, facilitating delivery of topical ingredients beyond the epidermis where most scar tissue and other challenging skin imperfections form.

Plasma energy, radio frequency and electroporation.



PLASMAWAVE®

The virtual Plasma scalpel.

Plasma Microablation uses plasma skin regeneration technology energy delivered from plasma rather than light or radiofrequency. Plasma is the fourth state of matter in which electrons are stripped from atoms to form an ionized gas.

The **thermal energy** is uniformly absorbed by the skin, creating the right conditions and natural growth factors for new collagen and continuing skin regeneration for a natural, more youthful appearance. PlasmaWave generates minimal thermal effect to underlying tissue regardless of the length of application.

The **procedure induces** a formation of a dry membrane on skin surface, which peels off few days after the treatment. There are different treatment combinations to choose from according to the severity of the problem being treated and the recovery time available.

Recovery time is significantly shorter when compared with other procedures and post-treatment care is easier. Even with the most intense treatment, it usually takes just over a week for full skin restoration.



Plasmatip creates a voltaic arc or plasma (modality No-contact).

MESOWAVE® Molecular vehiculation.



MESODISPENSER

It gradually and uniformly allows to distribute the formulation which can be released from a 20cc syringe placed in the applicator.



MESOROLL

It delivers plasma energy in tiny electrical spark. When the tiny handpiece tip comes in contact with the skin, the ions become highly energized and form a "plasma" field.



Treatment indications.

MEDICAL

- Acne.
- Post-acne scars.
- Scars and keloids.
- Blepharoplasty.

NO MEDICAL

- Face and neck lifting.
- Enlarged pores.
- Superficial and deep wrinkles.
- Lifting of excess skin of arms and abdomen.
- Onfalolifting (lifting of the umbilical region).
- Stretch marks.
- Skin discoloration (age spots, solar lentigo).
- Hair loss.



Before (MesoWave)



30 days after/4 sessions



Before (MesoWave)



15 days after/4 sessions



Before (PlasmaWave)



30 days after/1 session



Before (PlasmaPeel)



60 days after/4 sessions

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Multiple action
skin technology.

- PLASMAWAVE
- MESOWAVE
- PORATIONWAVE
- RADIOWAVE



VIDEO
TUTORIAL



The design of the machine may slightly differ from the image,
while keeping the described functions unchanged.

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TECHNICAL DATA

VOLTAGE SUPPLY	100±230 Vac 50/60 Hz
POWER	160W (OPERATIVE MODE)
DIMENSIONS	400 x 400 x 220 mm
CATEGORY	USES RADIOFREQUENCY AND ELECTROPORATION
WEIGHT	16 Kg
FUSES	2 x 2AF 250V
CLASS AND TYPE	IBF

MESOWAVE

TYPE	RADIOFREQUENCY AND ELECTROPORATION SKIN TREATMENT DEVICE
HANDPIECE FUNCTIONS	RF MONOPOLAR (RW), ELETTROPORATION (PW), COMBINED RF MONOPOLAR AND ELETTROPORATION (DUO)
HANDPIECE ACCESSORIES	ROLL-ON DISPENSER, SYRINGE
RW FREQUENCY	500 kHz
WAVEFORM TYPE	SINUSOIDAL MODULATED IN AMPLITUDE VPP = 340V MAX WITH LOAD 200ohm
RW MAX POWER	50 W
RW FUNCTION MODE	CONTINUOUS
PW FREQUENCY	1 kHz
WAVEFORM TYPE	MODULATED IN WIDTH WITH CONTINUOUS COMPONENT (VPP=20V MAX WITH LOAD 1Kohm - VDC= 10V MAX WITH LOAD 1kohm)
PW MAX POWER	10 W
PW FUNCTION MODE	PULSED (3S ON - 0.3S OFF)

PLASMAWAVE - PLASMAPEEL

TYPE	PLASMA GENERATION THROUGH IONIZATION OF ATMOSPHERIC GASES (VIRTUAL ELECTRODE)
FREQUENCY	300 kHz
WAVEFORM TYPE	SINUSOID MODULATED IN AMPLITUDE VPP = 1800V MAX WITH OPEN CIRCUIT
MAX POWER	60 W
FUNCTION MODE	CONTINUOUS (PEDAL PRESSED)

APPLICATORS



PLASMAWAVE



PLASMAPEEL



PW (PORATIONWAVE)



RW (RADIOWAVE)

A SOLID COMPANY

With over 25 years of experience, Biotec Italia is a well-recognized developer and manufacturer of lasers, electronic, mechanical and pneumatic based technologies for the medical and aesthetic industry. Located in Vicenza, northern Italy, and with a branch in London, the United Kingdom. Biotec Italia exports in over 50 countries worldwide and offers customers an international services and sales network.

100% MADE IN ITALY

The entire production process is completely Italian, from design to assembly and quality testing. Biotec Italia guarantees the technological excellence of its devices and has highly trained specialists and collaborates with Opinion Leaders in the aesthetic and scientific field to be always aligned with the expectations and evolution of the market. Biotec Italia combines expertise, punctuality and reliability in the services made available, and offers individual support for the maximum satisfaction of its clients, in order to achieve the best desired result.

FROM THE IDEA TO THE FINISHED PRODUCT

With a dedicated R&D department, several registered patents and combining Italian competence and creativity in the design and assembly processes, Biotec Italia pushes the ongoing change that generates progress. The intellectual assets of the company are the key for innovative technologies and advanced production methods for a wide variety of medical and aesthetic applications.

CERTIFICATIONS AND QUALITY STANDARDS

To ensure the excellence of its manufacturing processes, Biotec Italia has a quality system certified by the Notified Body Bureau Veritas in accordance with ISO 9001 and ISO 13485. Biotec Italia guarantees that its devices meet applicable safety requirements and quality standards. Biotec Italia has the "CE mark" in its medical devices issued by Bureau Veritas. Customers can be assured that they are purchasing a device that is safe and complies with applicable regulations.



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Medical

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