07

BIOTECHNOLOGY
AND **CERTIFICATE**
COMPANY

Non-surgical aesthetic procedure with remarkable clinical outcomes.



NEW GENERATION
OF INTENSITY FOCUSED ULTRASOUND
TO TREAT THE SKIN

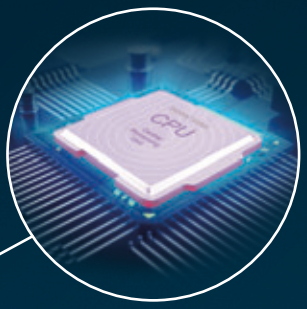
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biotec Italia
Medical

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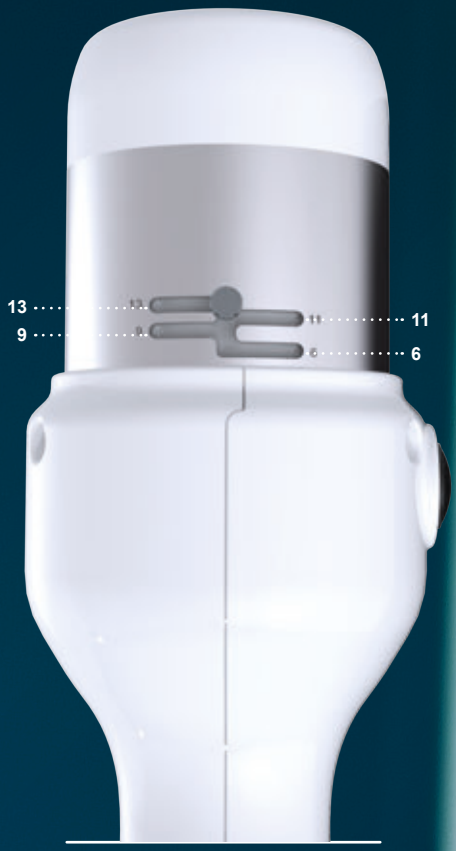
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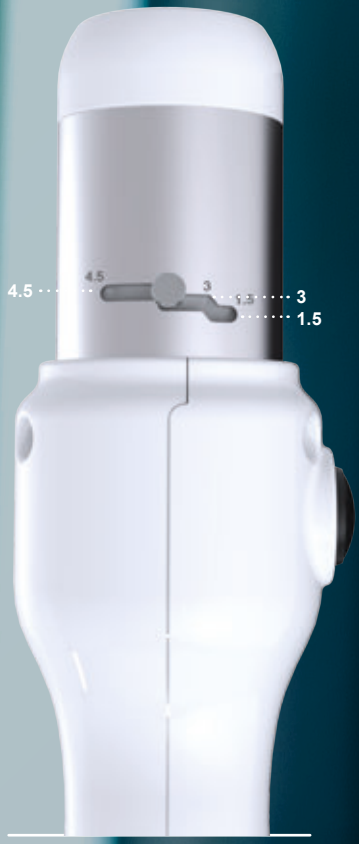
Design and technology that make the difference.

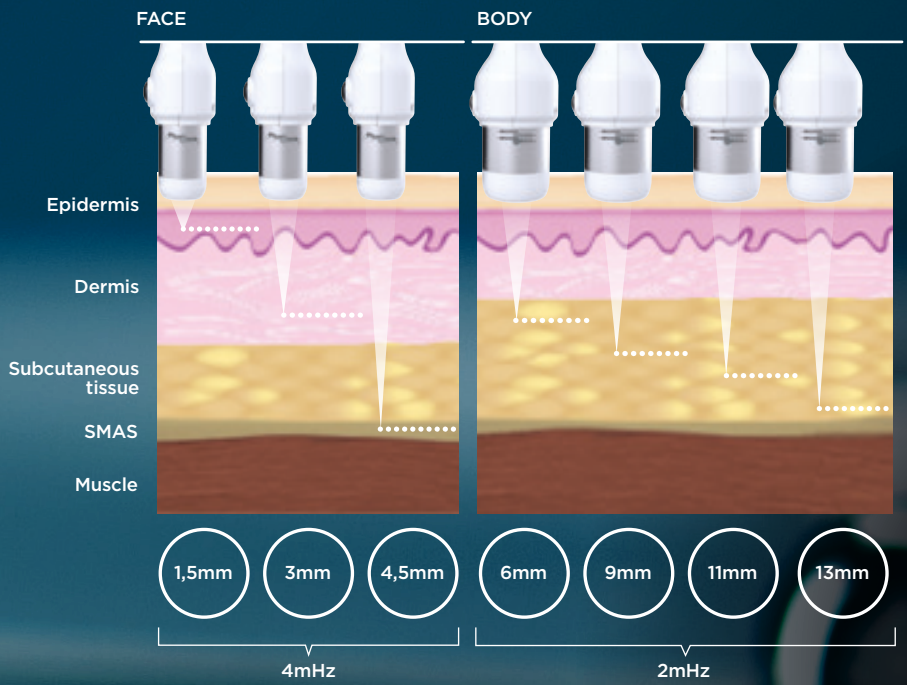


UNIQUE TECHNOLOGICAL INNOVATIONS

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.







The focused ultrasounds penetrate the area to be treated exclusively at the chosen focal distance

CFU: The technological innovation, able to act in depth, previously only achievable with surgery.



CENTERLESS: SELECTIVE THERMAL EFFECT

The ultrasonic wave emitted by the centerless transducer flows precisely into the point of focus, where it reaches a temperature above 65°C, necessary to promote the contraction of collagen fibres without damaging the skin on the surface.

CFU EASYZOOM

Easy focalization system that concentrates the ultrasonic energy precisely in the skin layer to be treated, at the desired depth, generating a regenerative thermal energy.

EXCLUSIVE DESIGN

The unique ergonomic design of the cartridge makes work easier, allowing wide visibility and accurate precision on the emission zone.
The different application modes simplify operation.

EASYFLOW RAPIDITY OF EMISSION

The EASYFLOW technology emits a succession of focused energy points at high speed and at different frequencies, allowing to speed up the procedure considerably.

AESTHETIC FACIAL AND BODY TREATMENT

Focused ultrasound, in the aesthetic treatment of facial skin, can be customized according to the needs of each individual, through the setting of the energy and depth of action of the ultrasound emitted. The ultrasound used for the face area emits at a frequency of 4MHz and a focal depth of 1.5, 3.0 and 4.5mm. The depth of action can reach the facial SMAS, the fan-shaped structure that covers the facial muscles and connects the facial muscles with the overlying dermis.
In the aesthetic treatment of adipose tissue to reduce its volume ultrasound emits at a frequency of 2MHz and at different depths, from 6 to 13mm, allowing an excellent remodeling of adipose tissue.

MEDICAL TREATMENT OF HYPERHIDROSIS

The medical procedure with high intensity focused ultrasound has proven to be effective and safe for the treatment of hyperhidrosis and osmohidrosis. Focused ultrasound can be used to treat both the eccrine glands, responsible for excessive sweating, and the apocrine glands, responsible for bad smell.
The treatment is carried out quickly and painlessly, without the use of toxins, without side effects, achieving immediate improvement with lasting results.

ACE: Patented* proprietary technology that preserves the efficiency and durability of the transducer, guaranteeing treatment safety.

*Patent pending PCT/IT2019/000004

DYNAMIC COOLING

ACE allows the active circulation of the cooling fluid on the transducer and guarantees its stability and efficiency, safeguarding operation over time.

ZERO HEAT ON THE SURFACE

ACE Technology eliminates the heat effect on the surface by reducing the heat developed by the transducer, increasing the safety of the procedure.

FREQUENCY STABILITY

The frequency variations of the transducer are limited by ACE technology, which protects it from overheating which, otherwise, could generate thermal energy dispersion phenomena, decreasing its efficiency.

LONG TRANSDUCER LIFESPAN

ACE Technology increases the life of the transducer inside the handpiece, up to 10,000,000 pulses. In addition, it keeps the emission frequency unchanged, guaranteeing its efficiency.



ZERO ATTENUATIONS

ACE Technology eliminates the sound wave attenuation phenomenon typical of transducers emitting in a stagnant fluid chamber. The heterogeneity of emission is guaranteed by the absence of air voids and diffused porosities in the emission chamber.

Treatment indications.

MEDICAL

- Treatment of hyperhidrosis.

NO MEDICAL

- Firming and skin rejuvenation.
- Non-invasive lifting effect of the face and of the neck.
- Inelastic skin of the neck and cleavage.
- Reduction of periocular, maxillary and nasolabial wrinkles.
- Treatment of build-ups of localized fat.
- Treatment of acne scars.



Before



after/1 session



Before

90 days after/1 session



Before 60 days after/1 session



Before

60 days after/1 session



Before 60 days after/2 sessions



Before

After/1 session



Before 30 days after/2 sessions

The clinical cases are a courtesy of Dott.ssa Ferrari and Dott.ssa Capponi (Studio Associato Medica).

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EASYFLOW:
Full coverage focus ultrasound.

- CFU® **EASYZOOM** Technology
- **ACE®** Dynamic cooling
- **CENTERLESS TECHNOLOGY:** Selective thermal effect
- Improved visibility of the treatment area
- Reduced costs of consumables
- Countless medical and aesthetic applications



VIDEO TUTORIAL

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

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MAGGIPINTO BT.MED. CFUELIFE REL 1. 2023

TECHNICAL DATA

VOLTAGE SUPPLY	230Vac - 50/60Hz
MAX POWER	200VA
CLASS AND TYPE	I - BF
FUSES	2 x F4A 250V
DIMENSIONS	700 x 500 x 1300mm
WEIGHT	45 kg
PULSE DURATION	from 50ms to 200ms
PULSE EMISSION STEP	from 1Hz to 10Hz

FACE

FOCAL DEPTH	1,5 / 3 / 4,5mm
MAX POWER	10W
APERTURE DIAMETER	15mm
FREQUENCY	4MHz

BODY

FOCAL DEPTH	6 / 9 / 11 / 13mm
MAX POWER	20W
APERTURE DIAMETER	25mm
FREQUENCY	2MHz

APPLICATORS



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.

biotec Italia
Medical

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BIOTEC ITALIA MEDICAL È UNA DIVISIONE DI biotec Italia