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BIOTECHNOLOGY
AND CERTIFICATE
COMPANY

Microwaves and
pure oxygen.
The patented
technology for
body contouring.

PATENT N.10202000013984

NON-INVASIVE
AND PAINLESS
TECHNOLOGY



LYSIWAVE

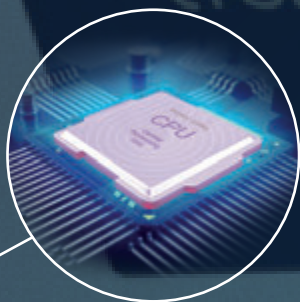


biotec italia
Medical

biotec italia

lysiwave

Results, effectiveness and safety.



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 synergy of microwaves and of pure oxygen represents a breakthrough of the body contouring procedure.

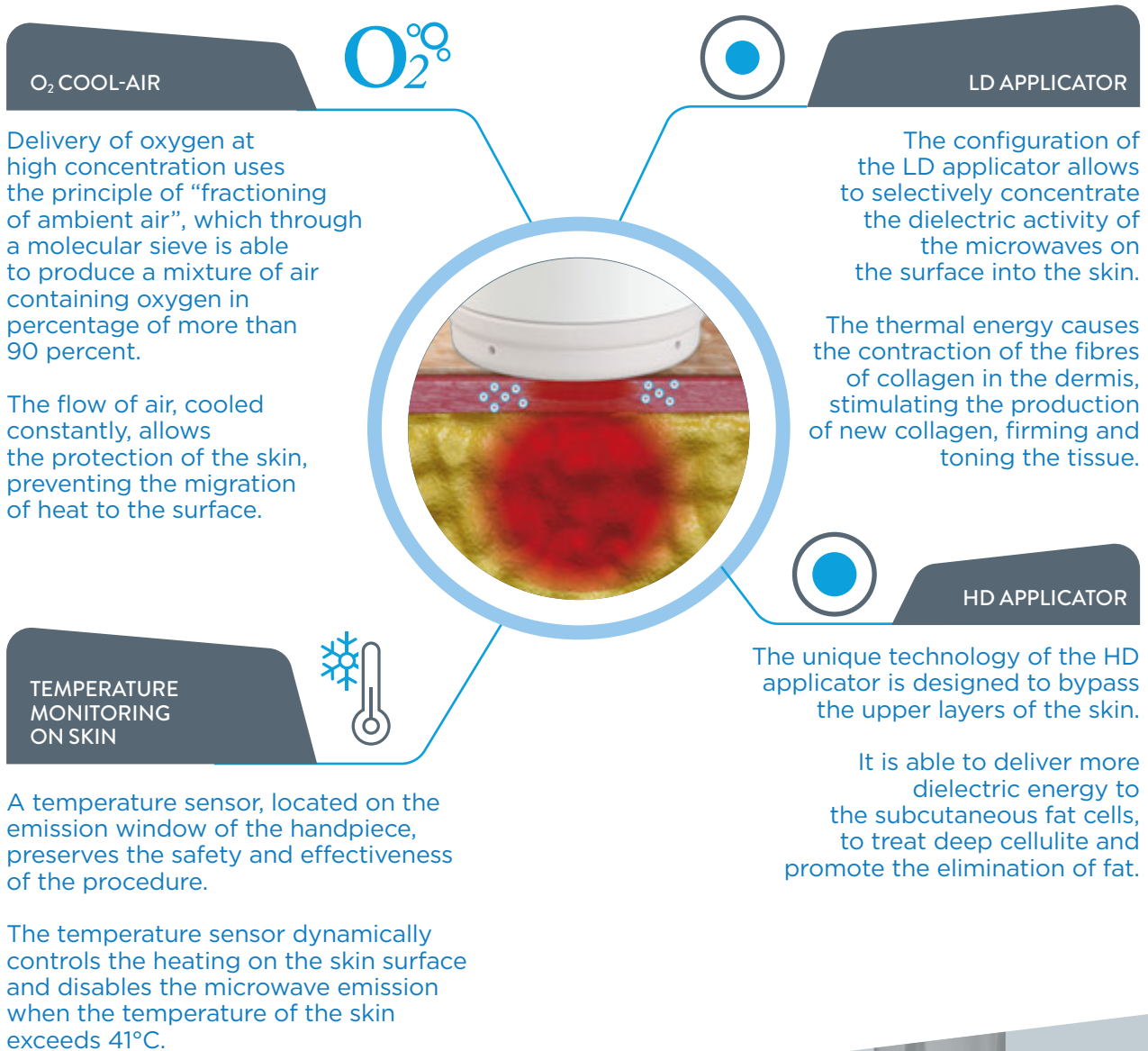
While eliminating fat cells, it also stimulates cellular metabolic processes and collagen production, reshaping the silhouette.

It penetrates deeply, affecting the cell membranes of subcutaneous fat cells to dissolve localised fat deposits. The lysate is eliminated by natural cell metabolism (lipolysis).

It stimulates the connective tissue surrounding the adipose lobules of cellulite, decreasing the "orange peel" effect.

It causes the contraction of collagen fibres in the dermis, stimulating the production of new collagen, firming and toning the tissue.

LISYWAVE is a state-of-the-art device that combines the action of electromagnetic waves, microwaves at 2.45 GHz with the simultaneous delivery of a flow of cooled air with a high concentration of oxygen, directly onto the area exposed to treatment.



Technology, Innovation, Reliability.

CONTROL OF THE EMISSION

The emission duration of the microwaves is controlled by the device according to the detected temperature.

MICROWAVE INTENSITY

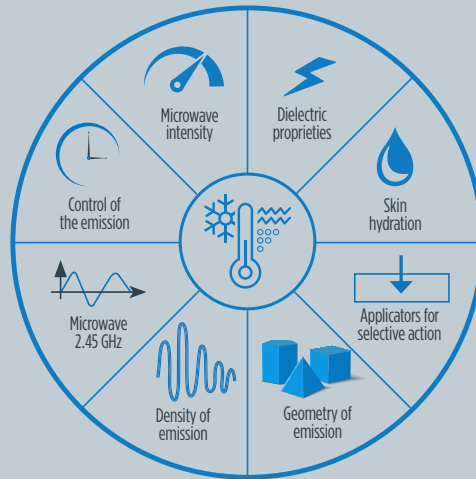
An algorithm calculates intensity based on the size of the treated area.

DIELECTRIC PROPERTIES

The flow of oxygen projected onto the skin improves its dielectric properties.

MICROWAVE 2.45 GHz

The thermal effect in the skin is obtained thanks to the mobilisation of ions, by using a current at a very specific frequency (2,400,000,000Hz).



SKIN HYDRATION

Oxygen increases considerably the hydration and permeability of the skin.

DENSITY OF EMISSION

An algorithm determines the emission density of the microwaves based on the hydration of the skin.

GEOMETRY OF EMISSION

The spherical geometry of the microwave chamber determines uniformity of emission.

APPLICATORS FOR SELECTIVE ACTION

The emission window of the applicators determines the focusing of microwaves selective depth.

Surprising clinical results.

INDICATIONS FOR USE FOR MEDICAL TREATMENT

- PEFS (Panniculopathy edemo-fibro-sclerotic)
- Diathermy

INDICATIONS FOR USE FOR AESTHETIC TREATMENT

- Reduction of panniculus adiposus
- Rejuvenation and toning of the skin



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lysiwave

Microwaves and oxygen for reshaping the silhouette.

- Linear and focused emission applicators
- Skin temperature monitoring
- Simple and intuitive console
- Regenerating oxygen flow
- Skin cooling



VIDEO
TUTORIAL



The actual design of the machine may slightly differ from the image presented, while maintaining the described functionality

TECHNICAL CHARACTERISTICS

POWER SUPPLY VOLTAGE	230 VAC - 50/60Hz
MAXIMUM POWER	200W
FUSES	2 X F4A 250V
SAFETY CLASS AND TYPE OF APPLIED PART	I BF
RISK CLASS ACCORDING TO DIRECTIVE 93/42/EC	CLASS IIB
DIMENSIONS [W X D X H]	640x550x1280mm
WEIGHT	55Kg

BIOWAVE APPLICATORS

FUNCTION	MICROWAVE
FREQUENCY	2,45GHz
WAVEFORM	AMPLITUDE-MODULATED SINE WAVE
MAXIMUM POWER	200W
OPERATION	CONTINUOUS
AIR FLOW	42Lt/min
OXYGEN	FILTERED AMBIENT AIR
ACTIVATION	PUSH BUTTON

APPLICATORS



**LD
SMALL**

AREA OF EMISSION
3cm



**HD
LARGE**

AREA OF EMISSION
4cm

A SOLID COMPANY

With 30 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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