



anika

The state-of-the art
device for a **safe,**
precise administration
of oxygenation.



Novaclinical a business unit of Novavision Group which designs and manufactures latest-generation equipment, develops cutting-edge biotechnologies in the field of aesthetic medicine, dermatology and gynaecology.

For over 25 years, Novaclinical professionals have been addressing the needs of a constantly evolving sector, allowing the company to retain a major role in the target market.

In addition, the great focus on investing in the research and development of cutting-edge technology makes the company a reliable partner, able to fully meet the requirements of professionals in the industry and end consumers.





anika

State-of-the-art technology to
*enhance the natural
properties of CO₂*





*Anika*TM

Carboxytherapy enters into a total-body phase thanks to the *continuous research carried out in our laboratories.*

Carboxytherapy, first introduced in the early decades of the 20th century, has become a state-of-the-art treatment thanks to the team of researchers at Novaclinical laboratories, who have been able to devise new protocols that have turned it into a total-body therapy: **effective for face and body, including vulvo-vaginal applications.** What makes the device so versatile is the CCFTM CO₂ Control Flow – a technology that regulates gas emissions (from 1 to

600 cc/min) constantly and precisely for clinical applications in various fields: from dermatology to gynaecology, to plastic and cosmetic surgery. AnikaTM is equipped with an intuitive, user-friendly software, with constantly updated protocols resulting from the work of our scientific board, so that the doctor can focus on the patient alone.



Anika™ The safe precise CO2 dispenser

The new Novaclinical device is the result of work done in our Italian laboratories in all respects. With its careful design, it results from the synergy of several teams working together: R&D for the technologies backing the treatment for a safe, effective insufflation of CO₂; the software programming, for an easy, intuitive user experience; the design of the case – minimal and elegant – conceived to contain the CO₂ bottle in total safety.



Medical pressure relief system with 20 um filter

The system makes it possible to safely connect the medical CO₂ bottle to the device thanks to a pressure relief system, safety valves and a PTFE membrane filter at the entry point.



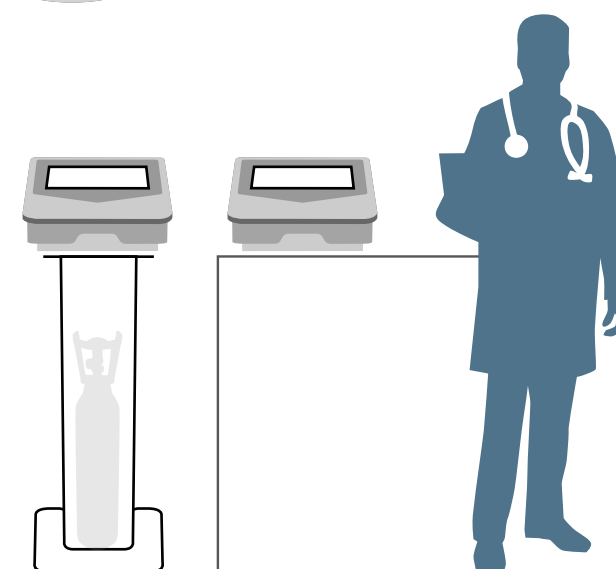
Biofeedback Control

Thanks to an electronic bracelet, the user can stop the treatment, taking active part in the session.



Fastlock Pedal

It gives the operator full control over the gas emission.



Novavision Group safeguards itself while safeguarding you

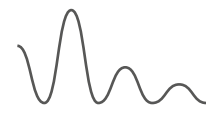
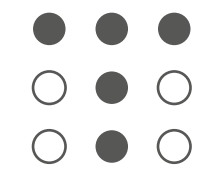


NOVACERT is an authentication system to safeguard the Novavision Community and the Group itself.

Each Anika device and component is equipped with a system based on NFC tags which allow you to access a webpage that certifies the authenticity of the product/component as well as its origin and maintenance status.



Nova Technology

We develop *highly specialised technologies*, stimulating the human body's *natural physiological processes*, for safe, effective treatments.

CCF™	CO2 Control Flow	_____	
TSC™	Temperature and Sanification of CO2	_____	
BFC™	Bio-Feedback Control	_____	
IoMT™	IoMT™	_____	

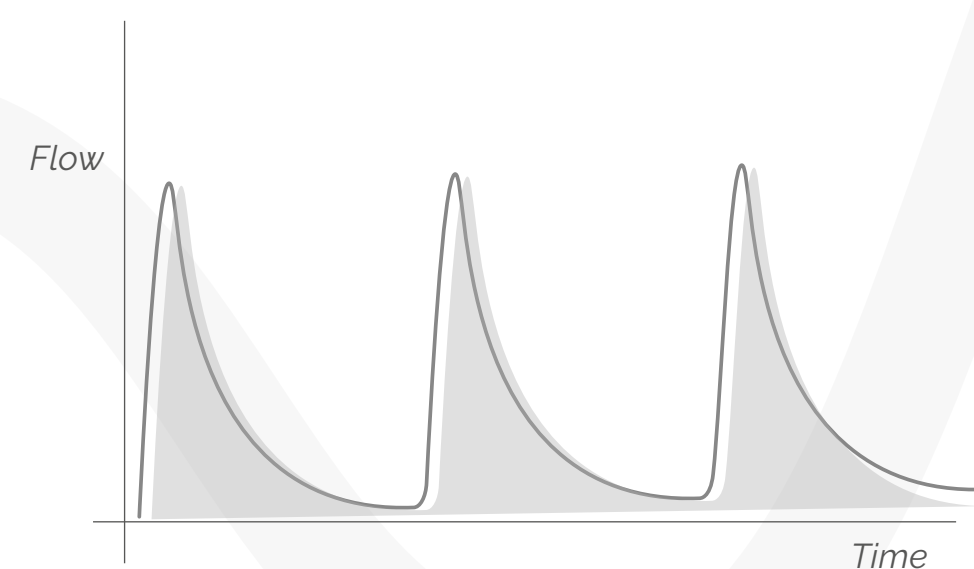
CCF™

CO₂ Control Flow

An innovative **control pain** system

Thanks to a group of state-of-the-art electro-valves and an innovative software algorithm, Anika™ can manage CO₂ flows from **1 to 600 cc/min**, regulating the administration of carbon dioxide precisely by means of an innovative system that enables the minimal stimulation of nerve endings at nociception, which are extremely sensitive to tissue distension due to gas insufflation. This helps offer the patient a pleasant experience and allows the operator to choose among a variety of fields of application - from dermatology to gynaecology, to cosmetics.

The innovative hardware and state-of-the-art control software designed by Novavisionlaboratoriesmakethedevic versatile, suitable for the treatment of pathologies and imperfections all over the body, as well as for gynaecological applications, with the additional benefit of shorter treatment sessions and of a comfortable experience for the patient.

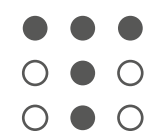


Technology enhancing **effectiveness.**

High-precision, digital flow sensors allow the doctor to monitor the volume of insufflated CO₂ in real time, while adhering to the treatment schedule. The system allows the operator to set the gas emission by **total volume**, **volume by area** or **injection time**.

The circuit is completed by two digital pressure sensors (entry and exit of the gas), which enables the software to monitor the pressure of gas inside the bottle and in the treated tissues, providing the operator with a constant monitoring of the condition and results of the treatment.





TSC™

Temperature and sanification of CO₂

The TSC™ technology makes it possible to pre-heat the outgoing gas from 30 to 47°C, depending on the programme chosen by the operator, thus avoiding the patient's subcutaneous cold feeling and offering a comfortable treatment. Anika™ with TSC™ is also equipped with two PTFE membrane filters measuring 20 µm each (one at the entry and one at the exit point) to administer gas at high levels of purity. The outgoing CO₂ is then channelled into a 420 mm LED UV system. The sanitisation system is completed by the Degas Function – a process by which, thanks to the letting of a powerful, high-pressure jet of CO₂ into the hydraulic circuit, Anika™ rids itself of all residual gases, ensuring the use of pure gas at each treatment.



DEGAS FUNCTION



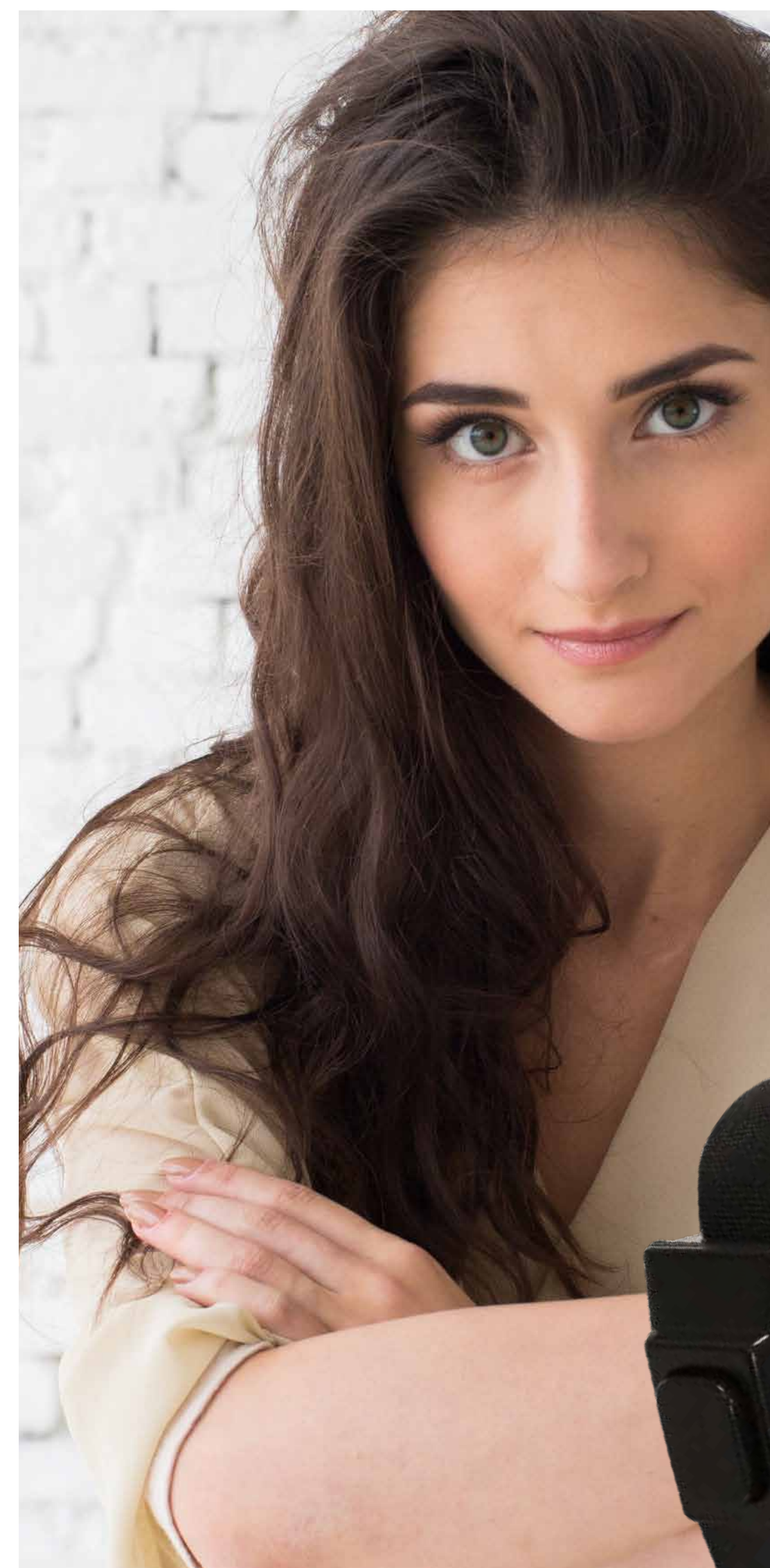
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BFC™

Bio-Feedback Control

The BFC™ technology is devised to support the patient and guarantee their total comfort: an electronic bracelet allows the patient to take active part in the session, giving them the possibility to stop the treatment should they have a feeling of discomfort.





IoMT™

Internet of Medical Things

In a rapidly changing and increasingly networked world, Novavision firmly believes in the creation and development of the IoMT concept. With a view to offering you a device that is always up-to-date, Anika™ is set up for continuous upgrades of the Internet of Medical Things.

This new approach makes the company available anytime and

anywhere for its customers: services, remote support, training and online protocols, updates, data storage. At the same time, as a result of becoming members of the IoMT community, users can leverage the continuous support of the scientific board, and share experiences with colleagues around the world (customised protocols, special cases, medical history, follow-up data). The professional user can thus offer their patients unique advantages, such as access to procedure logs, wearable devices, advice, suggestions on treatments, and personal reminders.





Field of application

Novavision technologies enable Anika™ to treat imperfections and pathologies by performing total-body, face and vulvo-vaginal treatments.

Aesthetic medicine e Anti-Ageing:

Cellulite
Face and Body Skin laxity
Fat Deposits
Stretch marks reduction
Face and Body Skin Biostimulation
Under-eye dark circles reduction

Dermatology and Trichology:

Eczemas and Psoriasis
Ulcers and Hard-to-heal wounds
Cutaneous scars improvement
Alopecia areata, alopecia
androgeneticam
Telogen Effluvium

Rheumatology:

Periarthritis

Surgery:

Improvement of the texture
Pre and post Regenerative
Medicine and Regenerative Surgery
Pre and post Aesthetic Plastic

Surgery and Reconstructive Surgery
Pre and post Orthopaedic surgery
Pre and Post Lower genital tract
surgery

Aesthetic and Functional Gynecology:

Vulvar Rejuvenation and
biostimulation through an
improvement of tissue tropism –
vaginal atrophy adjuvant
Vulvo-vaginal pain therapy
Epissiorraphy scars enhancement
Pre and post genital surgery

Angiology:

Improvement of Microcirculation
Adjuvant of telangiectasia treatment
Venous insufficiency treatment
Adjuvant to prevent phlebitis

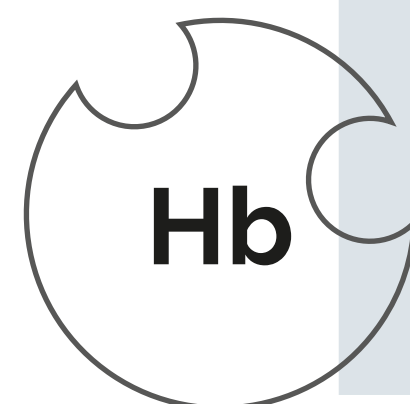
The body's physiological responses to Anika™ treatments are the true extra benefit of carboxytherapy.

Bohr effect

Intradermal and subcutaneous CO₂ injections trigger the well-known Bohr effect: the haemoglobin-oxygen bond weakens and oxygen is naturally released into the tissues. The organism responds by increasing the blood inflow, opening the arteriole-venule shunts of microcirculation, which are unused in para-physiological conditions, and stimulates the endothelial growth factor, which is proactive towards angiogenesis. This process results in:

- *Improved microcirculation*
- *Neo-angiogenesis*
- *Increased tissue oxygenation*

RELEASED
OXYGEN



Stimulation of cellular membrane receptors sensitive to tissue distension and reorganisation of the derma

When CO₂ is insufflated just below the skin, the increase in oxygenation produced by the Bohr effect combines with the detachment of the derma from the subcutaneous tissue due to the gas's propagation. This process leads to a reorganisation of the derma itself, which restores its natural physiological functions, thus producing a rejuvenating effect on the skin thanks to the production of new collagen by means of an interleukin-mediated controlled mechanism.

Activation of the lipolytic process

When the gas is insufflated into the fat tissue, the lipolytic process is activated in both a direct and indirect way: The direct lipolytic action is caused by the tissue paraphysiological hyperoxidation process typical of the Bohr effect, which optimises the metabolic processes of the adipocyte, enhancing the oxidation of fat acids (Krebs cycle, beta-oxidation, respiratory chain); the indirect lipolytic action is caused by the intensifying of the Bohr effect combined with receptor activation (subcutaneous exteroceptors) because of the mechanical effect produced by the tissue distension due to the gas. The consequent release of algogenic substances promotes the activation of Adenyl cyclase and an increase in tissue AMPc, while the activation of the protein kinase starts intra-adipocyte lipase, thus triggering the lipolytic process.

LIPOLYSIS

Triglycerides

Glycerides

Free fatty acids





Why is it the **perfect**
solution
for your
patients?

Preserving the intrinsic, precious ability of insufflated CO₂ to act on several areas, on a variety of imperfections and pathologies, Novavision's innovative technology reinterprets a classic therapy and improves on it, extending its application to other body parts and combining it with several branches of surgery, by means of:

***Zero* downtime
and full comfort**

The treatments do not involve recovery times, which means no change to one's daily habits.

***'Lunch break'* sessions**

Short sessions that can be easily scheduled accommodate both the patient and the operator's needs and provide immediately perceptible results.

***'Pain control'*
treatments**

Biofeedback Control

NO Anaesthesia



Why is Anika™
the right solution
for your
practice?

Simple procedures and effective protocols

Safe, effective treatments and a software designed to guarantee an easy, intuitive use.

Training in the use of the device

Novavision provides constantly updated training material, multimedia contents for the proper use of the machines and continuous training with experts in the sector.

Real-time assistance

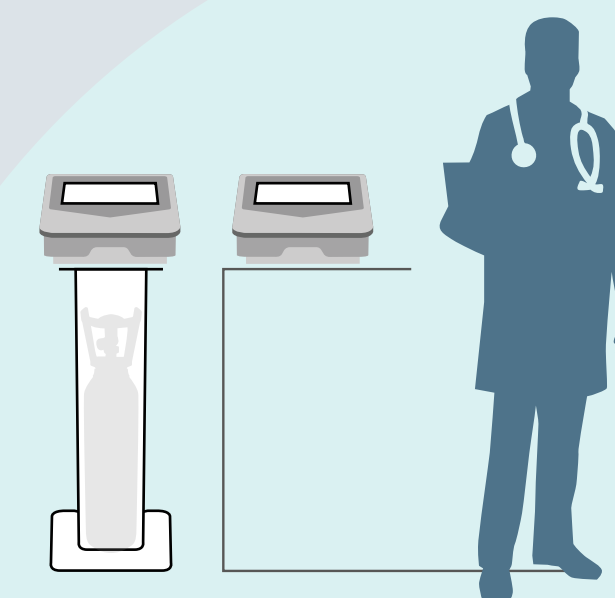
Thanks to the IoMT™ technology, every device is constantly interconnected with the mother company, allowing the team at Novavision to guarantee remote assistance in real time.

Ottimizzazione degli ingombri

The device has been designed to optimise space use in your study, and is equipped with a case that contains the CO2 bottle in total safety.

The CCF™ makes the machine versatile.

Anika™ and its technologies guarantee a variety of applications, making the device extremely versatile.





Novavision Academy is Novavision Group's team dedicated to training and scientific courses for the group's community.

Every year, a team of professionals defines a schedule of refresher courses on topics such as electrophysiology, applied pathophysiology, as well as specific training in the use of the device and protocol customisation. The courses will be held on our hq or through online webinars.

WHAT IS IT?

The Novavision Group offers its community the opportunity to take part in scientific courses on prominent topics in the medical field and on the use of the device.

HOW DOES IT WORK?

Every year the team defines a schedule of meetings that can be viewed on novavision.net. To learn more, just contact our offices and book a position for the chosen course.

WHAT DOES IT OFFER?

A team of experts will train you in the various topics, supporting you with multimedia material and/or real time demos, and you will receive an official Novavision certification.

Total Made in Italy

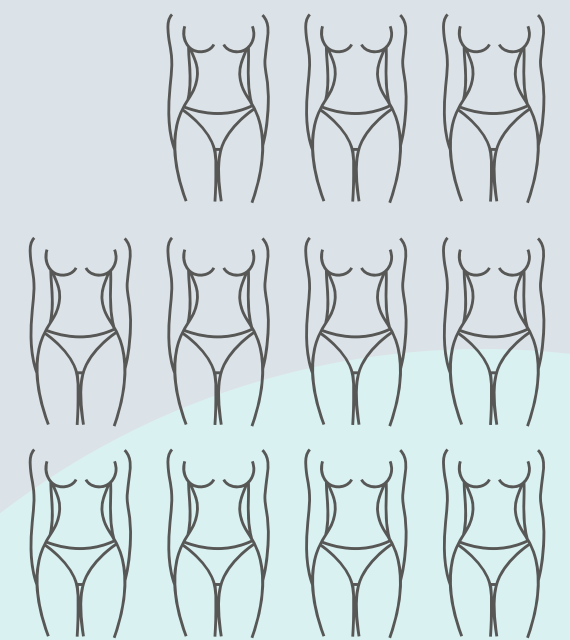
100% made in Italy means Italian design, Italian materials, Italian data sheets and the guarantee of using the highest quality products.

Everything you need – from consumables to spare parts – will be shipped directly from our laboratories, which means immediate and effective support.



Roi

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With just
11* protocols/patience.
you can fully recoup
the investment!



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