



Environ

ELECTRO-SONIC IONZYME® DF MACHINE



For over 30 years, Environ has remained at the forefront of skin care innovation with revolutionary product formulations and pioneering skincare technologies, that have been proven to make a real, lasting difference to skin.

the challenge: **THE SKIN'S NATURAL BARRIER**

Environ understands that the greatest challenge in skin care today is getting ingredients to where they are needed most. According to COLIPA (The European Cosmetic, Toiletry and Perfumery Association), less than 6% of skin treatment products pass the skin's natural protective barrier, reducing the effectiveness of treatments.

the solution: **ENVIRON'S ELECTRO-SONIC IONZYME® DF TECHNOLOGY**

The revolutionary Ionzyme® Electro-Sonic DF Machine, developed by Dr. Des Fernandes, was the first in the world to combine the efficacy of low frequency Sonophoresis and pulsed Iontophoresis in one probe. Harnessing the power of both technologies speeds up and intensifies treatment results. Electro-Sonic DF



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Technology is unique in every way. It works in synergy with the benefits of the skin's natural processes to overcome the challenges the skin poses by the barrier to entry of ingredients, in order to get effective results.



The dual technology: low frequency Sonophoresis (sound waves) and pulsed Iontophoresis (electric current ionizes ingredients), create tiny cavitations to assist in the delivery of ingredients. Ultimately, the intelligent and powerful combination of Iontophoresis and Sonophoresis, helps to diffuse more of what the skin needs during a treatment - up to 40 times more, making an Environ Professional DF treatment well-regarded in the Skin Care industry as a facial like no other.

The lonzyme DF Machine is CE Certified confirming conformity with health and safety as well as environmental protection standards. This ensures the treatments offered are not only highly effective but ultimately safe to use. Please refer to technical profile for more information.

40 TIMES BETTER PRODUCT DELIVERY

is achieved when low frequency sonophoresis (22 kHz) is combined with pulsed iontophoresis in 15 seconds.

ENVIRON'S PROFESSIONAL TREATMENTS: PROVEN TO REVIVE, RESTORE & REHABILITATE THE APPEARANCE OF SKIN. Environ's Professional treatments combine decades of scientific research, a deep understanding of skin, effective formulations and innovative technology. The powerful combination of:

- essential ingredients in Environ's professional serums,
- unique treatment protocols specially designed for the signs of each major skin concern
- the Dual Electro-Sonic DF Technology provides the ultimate skin care treatment for the appearance of aging, dehydrated, pigmented, sun damaged, scarred, sensitive, sagging skin.

The versatility of the lonzyme® DF Machine allows for treatments to be customized for different ages, skin types and skin conditions and the ergonomic design enables ease of use. The Electro-Sonic DF machine can only be used with Environ's professional serums which are uniquely formulated for technological compatibility, and high efficacy when treating the signs of specific skin conditions.

The professional serums are also aligned to Environ's vitamin step up system philosophy and incorporates peptides, antioxidants, alpha hydroxy acids and other essential ingredients, all of which the skin needs to appear firmer, more radiant, smoother, youthful and healthier-looking.

UNIQUE ENVIRON TREATMENT PROTOCOLS

Environ treatment protocols range from powerful, focused 30 minute treatments to advanced 90 minute treatments. Environ recommends a course of 6 - 12 treatments, preferably on a weekly basis, for the best possible results.



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Environ Professional is skincare Performance Intelligence at its best. In the hands of an Environ skincare professional, real lasting beauty goes deeper. We make sure skin not only looks healthier, but feels healthier. That skin not only looks beautiful, but is beautiful.

Creating the benchmark of beautiful skin
Because beautiful skin should be for everyone, *for life.*

introducing the new generation
**ELECTRO-SONIC
IONZYME® DF III MACHINE**

In 2021, Environ introduces the new generation Electro-Sonic Ionzyme® DF III Machine, reimagined and redesigned with new features and modernized functionality to deliver an enhanced, intuitive user experience and optimized safety for Skincare Professionals and clients. Environ continues to set a new benchmark in industry-leading Professional Skincare Technology. Unique and intelligent in every way.

“The new compact size is a real space saver in the treatment room. The update from foot pedal to hand activated probe switches for Sonophoresis is a significant enhancement. It really does allow therapists to focus on their client’s treatment and not have too many machine operational areas to worry about. The small updates such as the built in timer prompt supports this focus too. It’s very user friendly, easy to navigate and a pleasure to work with.”

MANAGER: ENVIRON SKIN CARE INSTITUTES

THE NEW GENERATION DF MACHINE WAS EXTENSIVELY TESTED AT THE ENVIRON INSTITUTE IN SOUTH AFRICA

BENEFITS:

- » COMPACT
- » ENHANCED USER EXPERIENCE
- » FACE AND BODY TREATMENTS
- » SAFE
- » NON-INVASIVE
- » VERSATILE
- » CUSTOMIZABLE TREATMENT FUNCTIONALITY

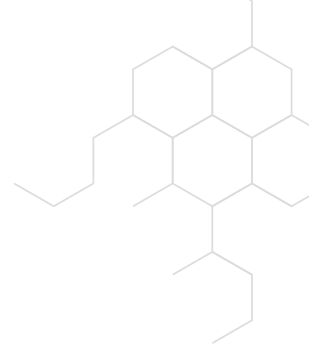


NEW ENHANCEMENTS:

- » HAND ACTIVATED SONOPHORESIS PROBES FOR FACE AND BODY
- » TOUCH SCREEN FUNCTIONALITY
- » 5 PRE-SET TREATMENT PROGRAMS
- » MULTIFUNCTIONAL DIAL
- » VISIBLE IONTOPHORESIS OUTPUT
- » TIMER PROMPT
- » INSULATED CLIPS

Contact DermaConcepts, Distributor in the USA, to find out more
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TECHNICAL PROFILE

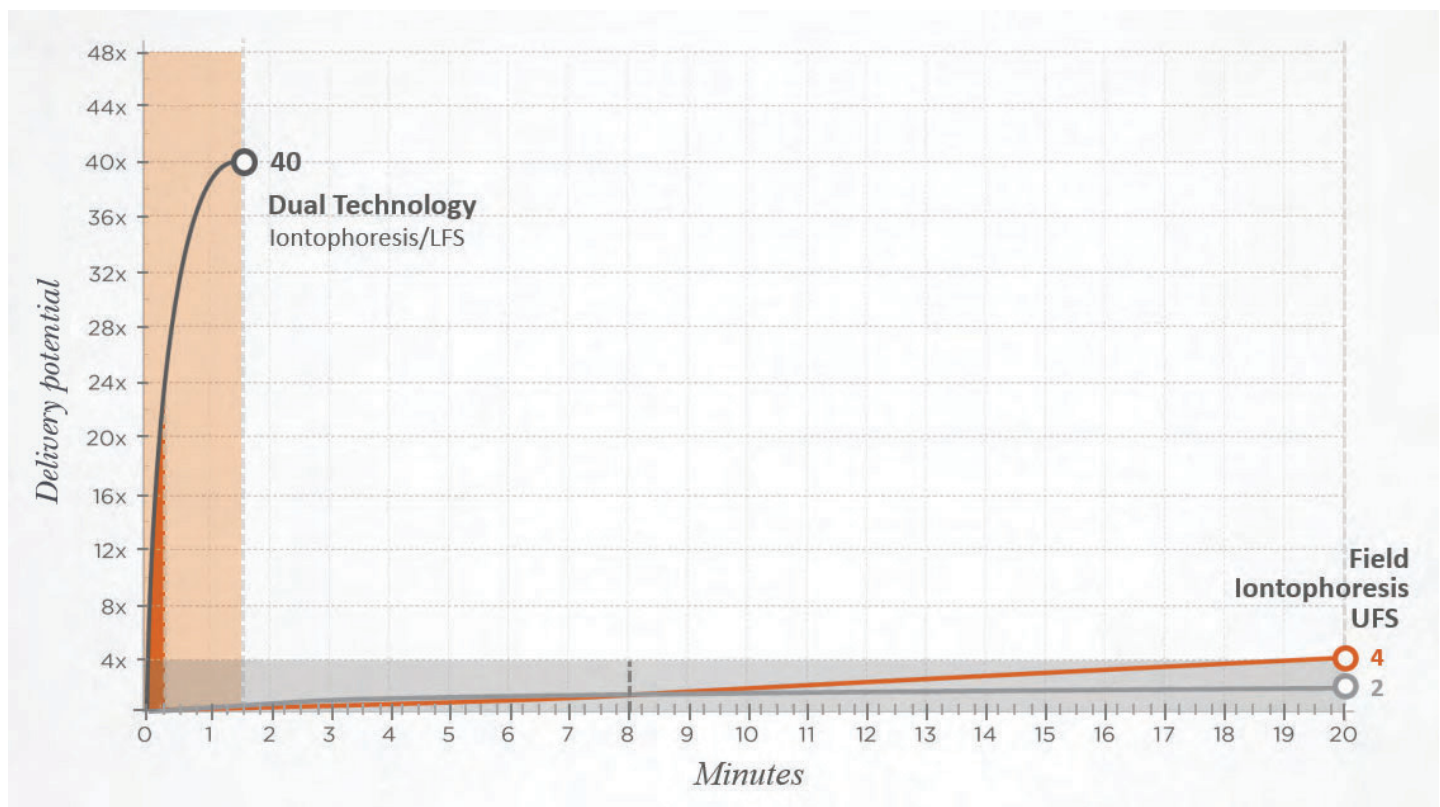


The Electro-Sonic Ionzyme® DF Machine: The benchmark of professional skincare technology

Combined Sonophoresis and Iontophoresis offers faster and better results in the dramatically enhanced delivery of non-ionizable molecules. The movement of the ions creates a flow which allows the molecules in the treatment serum to "drop" through the cavitations to the skin.

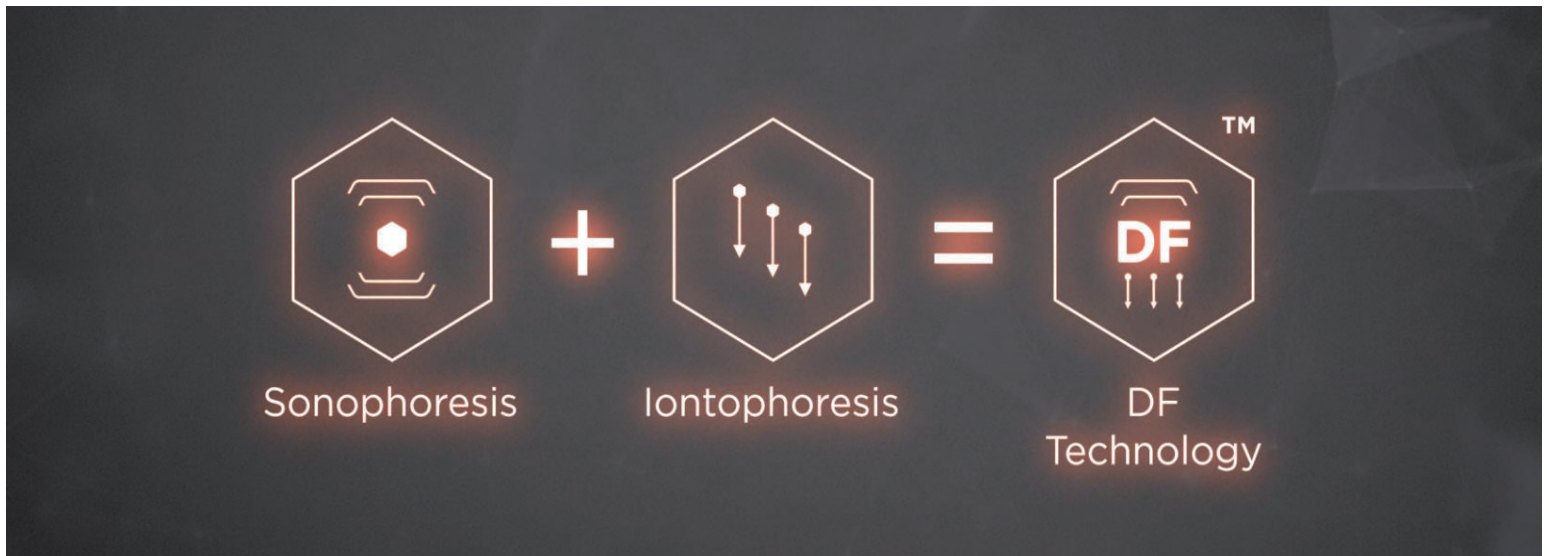
Laboratory test results showed, as seen in the graph below, that

- pulsed field iontophoresis provides four times better product delivery over a period of 20 minutes.
- ultrasound (high-frequency sound) provides 1 to 2 times better product delivery at a frequency of 1– 3 MHz over a period of 20 minutes.
- **40 times better product delivery is achieved when low frequency sonophoresis (22 kHz) is combined with pulsed iontophoresis in 15 seconds.**



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SONOPHORESIS

- Sound-based treatment system using a 22 kHz sound wave – defined as a low frequency sound wave.
- These sound waves are generated from the vibration of a special ceramic head and are transmitted to the skin to make the skin more receptive.
- Low frequency Sonophoresis creates little vibrating pockets referred to as cavitation. These tiny pockets seem to coalesce and form channels into the stratum corneum.
- The cavitation enables much more effective delivery of molecules to the skin
- Low frequency Sonophoresis makes more cavitation possible than high frequency Ultrasound and is more effective in product delivery ensuring noticeable results.

PULSED IONTOPHORESIS

- Non-invasive method that makes use of a small electrical current to propel high concentrations of charged molecules to the skin.
- Iontophoresis makes skin more receptive and ionizes ingredients. This method has been used clinically for several decades and has proven to be extremely effective.
- Environ uses a pulsed current rather than a continuous current to enhance delivery of ingredients by ensuring they remain ionized as they move to the skin.
- Pulsed current is also more comfortable than a direct current so it can be set on a higher intensity, up to a maximum of 2.0mA.
- The treatment serums used with pulsed iontophoresis are carefully formulated to:
 - > be ionizable (water-soluble),
 - > contain the optimal combination and concentration of ingredients, at the right pH and then used in the treatment with the correct current properties for the correct amount of time.



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