

AESTHETIC SOLUTION
DERMAQUAL
PARIS

FORZA XPERT
MESO INJECTOR SYSTEM

Needle-Free Innovative Mesotherapy



 Mesotherapy  Electroporation

**It purifies and
revitalizes your skin**

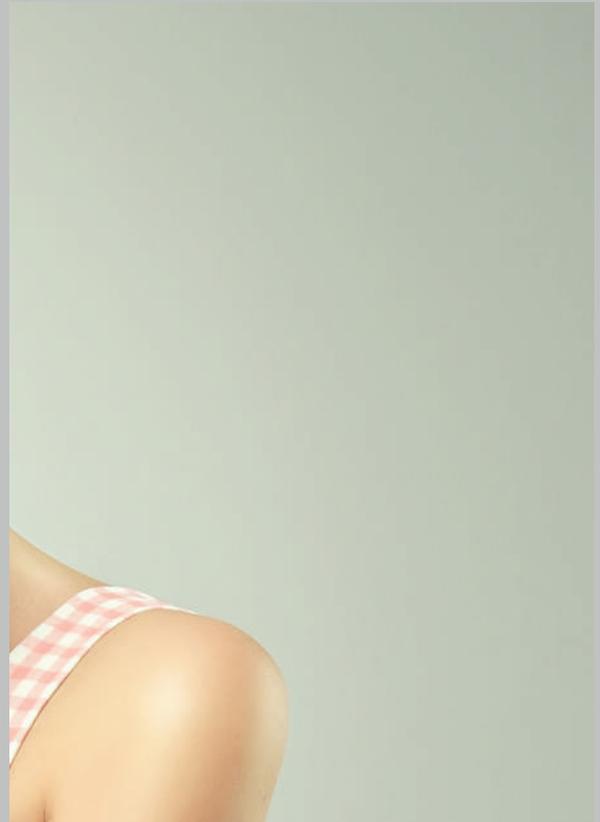


 Mesotherapy

 Electroporation

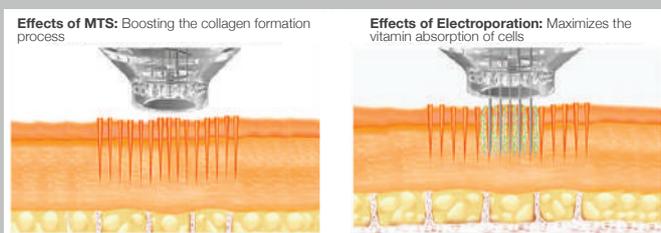
The **FORZA XPERT** is a revolutionary aesthetic device that combines nano-penetration and electroporation technology as a single treatment. Dermaqual's Electroporation Microchip System has proven itself in professional, highly advanced therapies. The increased infusion of powerful vitamins into the mesoderm provides visible, natural results during aesthetic and dermatological procedures.





The **FORZA XPERT** stimulates the skin's cellular activities and increases vascular microcirculation. Based on innovative technologies, the **FORZA XPERT** helps to speed up the skin's metabolic rate and thereby enhances all its functions: product absorption, cellular renewal, collagen and elastin production, and resisting cell aging. This leads to long-lasting skin rejuvenation. It can eliminate aesthetic problems such as acne scars, wrinkles, dull complexion, skin pigmentation, and cellulite. The treatment nourishes and reinforces hair follicles, stimulates natural hair growth, prevents hair loss, and cures alopecia.

Effects of electroporation: Maximizes meso solutions absorption by cells.



Micro-penetration

The nano-needles cross the skin barrier to the mesoderm level, opening microchannels for the absorption of meso solutions, without causing skin irritation.



Electroporation

Electroporation promotes the penetration of meso solutions, increases the absorption ratio, and helps deliver nutrients to subcutaneous skin tissue.

ELECTROPORATION MICROCHIP TECHNOLOGY (EPM)

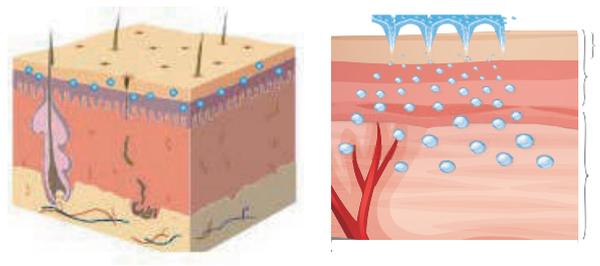
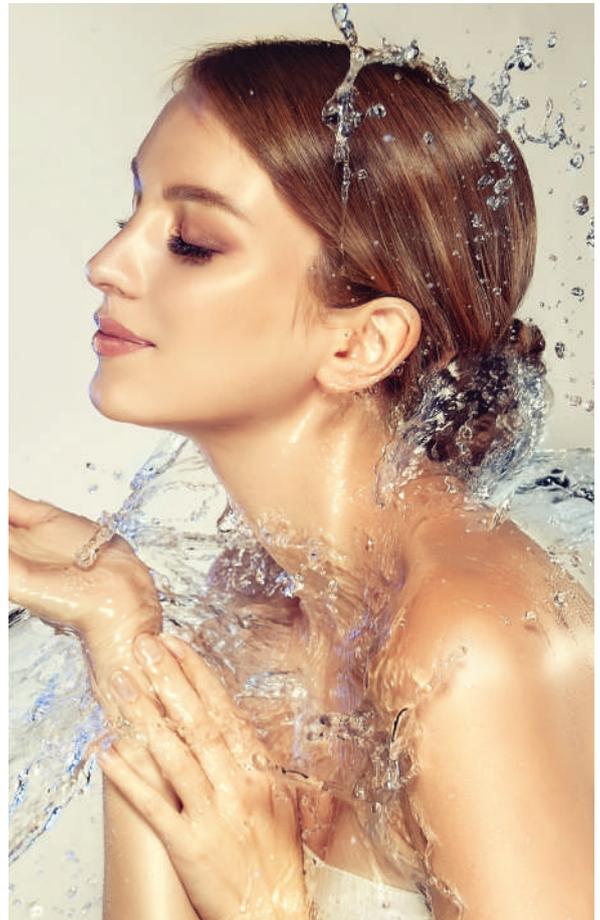
Electroporation Microchip Technology combines both electroporation and microchip transdermal technology. This technology penetrates the protective skin-barrier layer, establishes micro-channels, and effectively introduces nutrition to the skin mesoderm. Electroporation uses an energy pulse to open intercellular channels in the epidermis and temporarily alters plasma membranes to allow molecules to plunge into the skin's dermis layer. Electroporation allows the introduction of both micro and macromolecules, including those with molecular weights greater than 800,000 Daltons.



Microchip Transdermal Technology

Nano-needling, well-known in mesotherapy procedures, is implemented by the device's precise microchip. The high-speed motor is able to transmit nutrients with high precision in ultra-fine straight lines with equal accuracy in all treated areas. The transdermal microchip creates micron-sized pores in the skin to enhance delivery of the nutrients into the skin's mesoderm.

Penetration Depth: Epidermis layer 0.10 – 0.15 mm.



Electroporation Technology

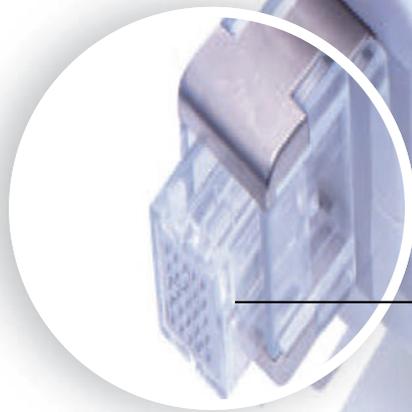
Electroporation technology uses an instantaneous electric pulse (μs – ms) to create temporary aqueous channels in the lipid bilayer. Electroporation boosts skin permeability to achieve the desired penetration of active ingredients, allowing meso-solution molecules to be introduced through cell membranes, avoiding damage to epidermal cells. The effects of electroporation are at the cellular level, only cell membranes are affected, while preserving the extracellular matrix architecture.

Penetration Depth: Dermis layer 0.8 – 1.1 mm.

ADVANTAGES

Lightweight, easy-to-operate applicator

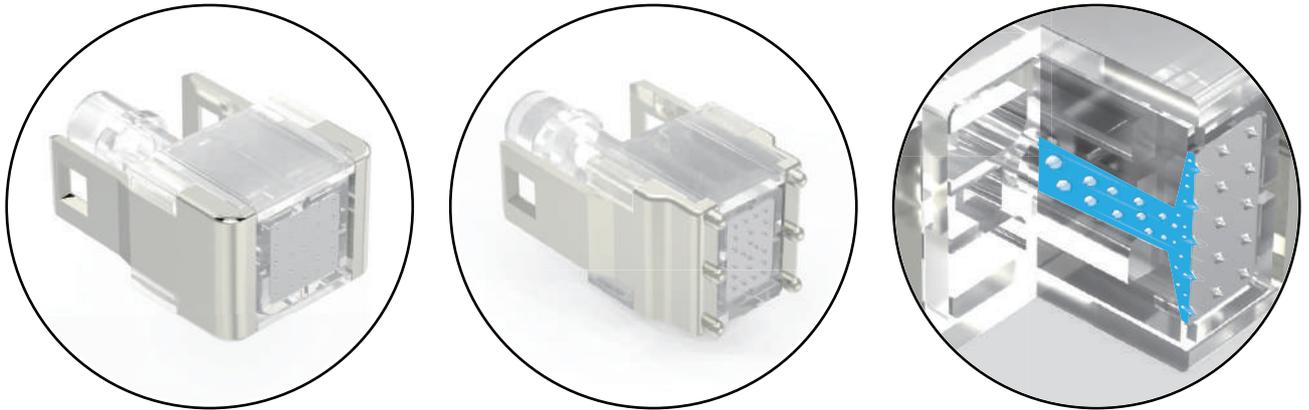
The handheld applicator is ergonomically designed for comfort, ease-of-operation control, and low-actuation force to reduce hand fatigue.



Microchip

Through laser-trimming technology, the **FORZA XPERT** microchip, with hollow nano-needles, supplies equally distributed nutrition to the skin mesoderm, facilitating wide treatment-area coverage. Two types of cartridge are available: one for hair and one for skin treatment.





Adjustable Features

For different application requirements, the Dermaqual device can provide unique treatment plans. Multi-optional parameters allow features to be adjusted depending on treatment area and aesthetic issue.

Minor Invasiveness

The **FORZA XPERT** is an innovative needle-free injection device, offering comfortable and painless treatment, without causing trauma or swelling. The **FORZA XPERT** offers a superior delivery system for today's enhanced products, ensuring maximum benefit and longer-lasting results, every time.

Advanced Results

The Multi-Channel Electroporation Microchip targets the epidermal layer, providing the best aesthetic results for clinical standards.

Before & After



After treatment, skin was rejuvenated, refreshed, smooth, radiant, and firmer. Large pores were greatly improved, fine lines were reduced.



After two months of treatment, there was significantly reduced hair loss, and reactivated hair growth.

TREATMENT PROTOCOL

The **FORZA XPERT** uses the full range of meso solutions that are intended to treat a variety of problems, from hydrating skin, to reducing the redness associated with acne and rosacea. It is ideal for anti-aging treatments, whitening, hair growth treatments, as well as body tightening, and cellulite removal. Depending on individual skin conditions and needs, it can be used for ingredients such as:

- PRP
- Mesobotox
- Hyaluronic acid
- Serums, Vitamins, Pharmaceuticals



Single procedures can efficiently moisturize and improve skin flexibility.

A course of treatment reduces wrinkles, rejuvenates, tightens and lifts the skin, greatly improves its overall condition, combats aesthetic problems such as large pores, pigmentation, and post-acne scars. Regular treatment sessions gradually increase hair growth, activate hair roots to reduce hair loss, strengthen fine hair, and improve its elasticity.

The **FORZA XPERT** has displaced many alternative methods for treating multiple aesthetic concerns, among them:

- Aging skin, wrinkles, and sagging tissue
- Dull complexion, lack of glow, and dehydration
- Enlarged pores
- Post-laser scars, and acne scars
- Skin pigmentation
- Orbital area: puffy eyes, dark circles, and crow's feet
- Hair Concerns: reducing hair loss, thinning, fragile hair, alopecia, root stimulation, and maximizing fiber retention
- Cellulite

FORZA XPERT offers effective improvement of aesthetic concerns in a highly advanced treatment. Satisfactory outcomes has been achieved after 4 – 6 treatments, performed every other week, with maintenance sessions every 3 – 6 months.

Pulse intensities, and optimal electroporation parameters should be initially established at low levels, and then gradually increased. Electric-pulse stimulation can be perceived, but all patients have been highly satisfied, and excellent results have been achieved following treatment.

Facial Recommended Parameter:



Forehead

Electroporation: 1-2;
Dosage: 1-2;
Contact Degree: 1-3;
Frequency: 3-5;



Eye Around

Electroporation: 1-2;
Dosage: 1;
Contact Degree: 1-2;
Frequency: 1-3;



Check

Electroporation: 4-5;
Dosage: 2-4;
Contact Degree: 3-4;
Frequency: 5;



Trigonum

Electroporation: 1-2;
Dosage: 1-2;
Contact Degree: 1-3;
Frequency: 2-4;

Recommended Parameters for Scalp:



Front

Electroporation: 1-2;
Dosage: 1-2;
Contact Degree: 1-3;
Frequency: 1-4;



Back

Electroporation: 1-4;
Dosage: 1-3;
Contact Degree: 2-4;
Frequency: 1-4;

TECHNICAL SPECIFICATIONS



System	
Electroporation	Level 1–5
Contact depth	Level 1–5
Dosage	Level 1–5
Frequency	1–5 Hz
Presets	YES

Microchip	
Microneedles	F model: 5, H model: 6
Microneedle Length	0.5 mm
Microneedle Diameter	0.1 mm
Micro Channels	F model: 5, H model: 6
Micro Channel Diameter	0.05 mm
Treatment Area	F model: 13 mm × 18 mm, H model: 13 mm × 12.5 mm
Microchip Area	F model: 8.2 mm × 8.2 mm, H model: 5.5 mm × 8.6 mm

Platform	
Machine Size (L×W×H)	30.2 cm × 27.2 cm × 12.6 cm
Internal Packaging Size (L×W×H)	33.0 cm × 33.0 cm × 20.0 cm
External Packaging Size (L×W×H)	38.0 cm × 38.0 cm × 27.0 cm
Net Weight	2.5 kg
Gross Weight	4 kg
Electrical	Input: 100 – 240 VAC, 2A, 50 – 60 Hz. Output: 12 VDC, 4A

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