

MESOSKIN

Painless, easy with no down time!

The Mesoskin device is the latest Virtual Mesotherapy Solution. Virtual Mesotherapy is a needle free mesotherapy, but offers similar results to conventional mesotherapy. The technology is based on the “electroporation” technique of applying active ingredients and meso cocktails into the skin. An electrical field is applied to cells in order to increase permeability of cell membranes, allowing chemicals and nutrients to be introduced into the cells. This no-needle mesotherapy is painless and without unwanted side effects of conventional needle mesotherapy.

The Mesoskin delivers substances into the skin at hypodermal and dermal levels without causing any damage or injury to the epidermis.

The device combines electroporation and microchip transdermal technology (EPM) to establish micro-channels in the skin and supply nutrients to the mesoderm.

What can be treated with Mesoskin?

8 different meso-cocktails are available for:

- Acne, pigmentation
- Wrinkles, skin dryness, sagging – hydrate and tighten skin
- Black circles under eyes, puffy eyes
- Hair loss
- Cellulite, improved micro-circulation

Latest technology - Flashfillers

Essel has developed a new range of high molecular weight Hyaluronic acids (HA). The HA is encapsulated in a Hyalosphere enriched with vitamin E, C and A. The Hyalosphere penetrates the skin to ensure a long-lasting release of HA into the skin to moisturize and plump the skin and to fill fine lines and wrinkles. HA with high molecular weight also reduces inflammation.

How often should I do the treatment?

Treatments are recommended once or twice a month with repeated courses.

Results are visible after the first treatment.

The skin is left moisturised, glowing and visibly plumper.



- Effective hydrating, healing and anti-inflammatory Properties.
- Rejuvenating and renewal benefits for the skin.
- Recommended for traditional and virtual mesotherapy and as essential part of invasive aesthetic treatments.

MESOSKIN™

Mesoskin Mesotherapy Device

■ Micro-penetration ■ Moisturizing

By increasing the transdermal absorption ratio, delivering nutrient solution to subcutaneous tissue, Mesoskin can promote metabolism, improve dry, dehydrated skin, fine lines, dull skin and other skin problems.



Principle

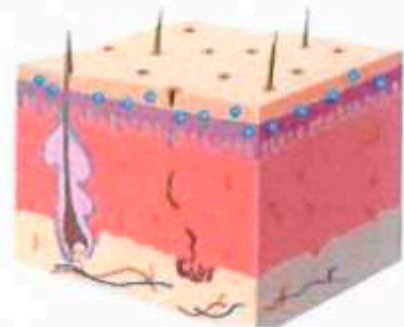
Technology principle

EPM (Electroporation Microchip) is a technology that combines electroporation and microchip transdermal technology. EPM technology can penetrate the protective barrier of the cuticle to establish micro-channels, through the channels to introduce nutrients to subcutaneous tissue, penetrated to the mesoderm of skin. After absorbing the nutrients by mesoderm, to achieve the treatment results like promoting the circulation of capillaries, accelerating cells metabolism, resisting cells aging.

Working principle

1. microchip transdermal technology

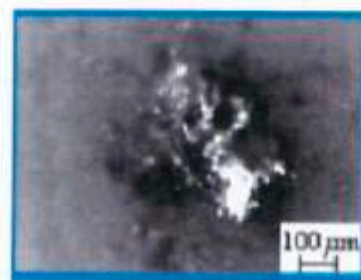
Based on Mesotherapy treatment method, this device employs microchip transdermal technology to non-invasively introduce nutrients (Hyaluronic acid, anti-aging and whitening serum, etc.) to the mesoderm of skin. After absorbing the nutrients by mesoderm, it can promote the circulation of capillaries, accelerate cells metabolism, resist cells aging, improve dry, dehydrated skin, fine lines, dull skin and other skin problem. Penetration Depth: Epidermal basal layer 0.1-0.15mm.



2. Electroporation technology

Electroporation is a technique in which by using instantaneous electric pulse (us-ms), to create temporary lipid bilateral aqueous channels.

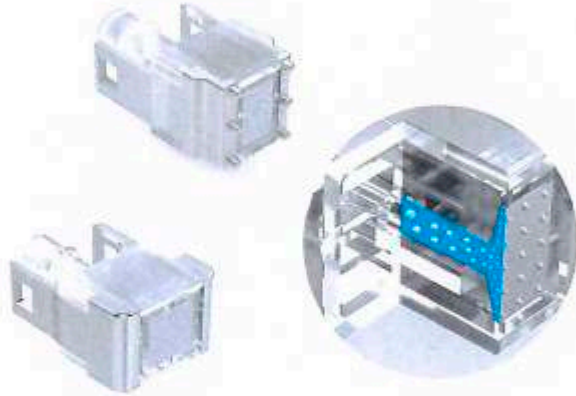
Electroporation is applied on skin directly, in order to change the permeability of skin tissue, to create temporary, reversible lipid bilateral aqueous channel, to increase the permeability of the cell membrane, to achieve desired penetration effect of the active ingredient, allowing hydrophilic molecules which can not be absorbed before to be penetrated and introduced into the cells. Penetration Depth: Dermis layer 0.3-0.8mm.



Advantages

1. Light applicator, easy to operate

Ergonomically designed applicator, meets the body's natural shape, can be operated easily, reduces hand fatigue.



2. Microchip

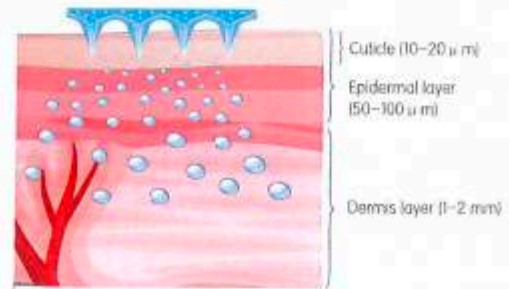
By applying laser trimming technology, the microchip is manufactured with hollow micro-needles, which can transmit nutrients to the mesoderm of skin. Our microchip is a innovation from spot treatment to area treatment.

According to different requirements, we can provide optional treatment plans by using multi-nutrient contents (Hyaluronic acid, young liquid oligopeptide, Minoxidil tonic, etc.).

3. Zero trauma, comfortable and painless

Based on Mesotherapy theory, under the pushment of high speed precision motors, Mesoskin device can spray the nutrient solution in ultra-fine, straight lined status, which can be introduced to the basal layer of skin as 0.1mm-0.15mm depth, avoid damages to epidermal cells.

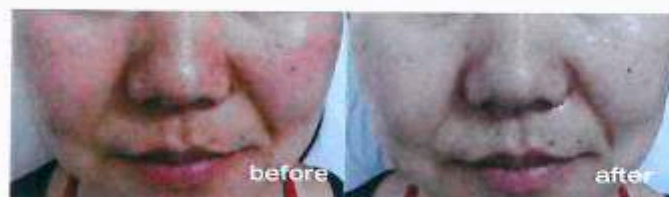
Mesoskin is an innovative needle-free water injection device. It can provide zero trauma, comfortable and painless treatment, avoid pain, erythema and swelling by needle injection method.



Before & After

After only one treatment, the skin is moist and flexible. After a course of treatment, large pores, rough skin and other skin issues have been greatly improved. The skin is no longer dry and peeling, water-holding capacity is increased.

If insist on long-term treatment, dry lines and fine lines are reduced, skin is lifted, firm and back to young state.



After two months hair growth treatment on purpose spot, hair loss is reduced, hair growth is increased gradually, hair root is more robust, the nutrition of scalp is improved.



<https://drkarl.co.za/treatments/>