

MICRONEEDLING

NON-INVASIVE

CATALOG

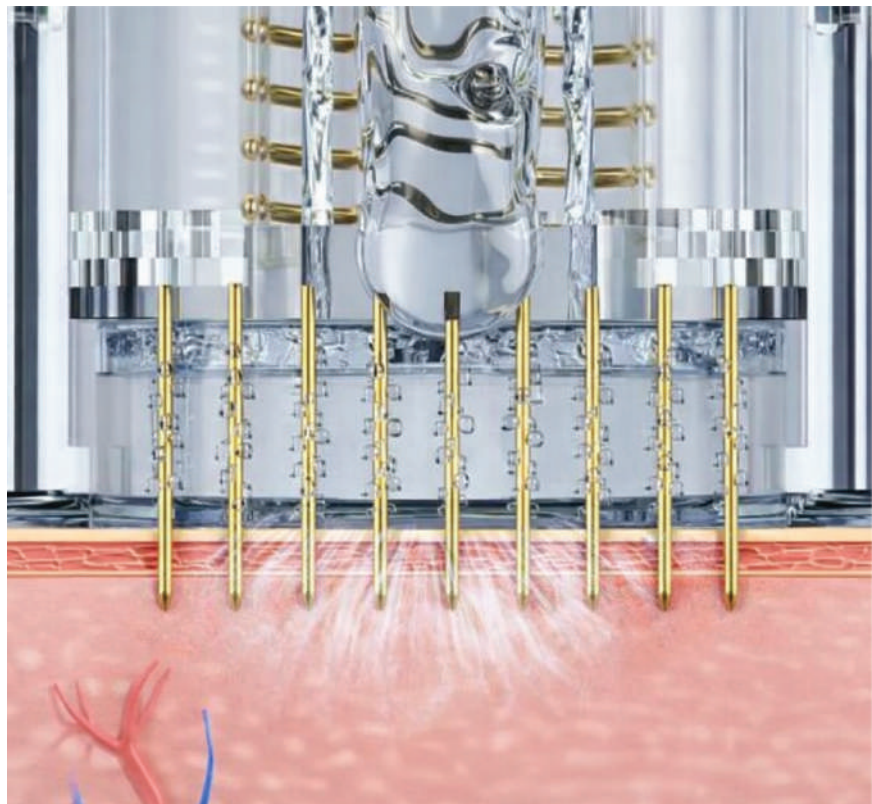
THERAPY SYSTEM



01

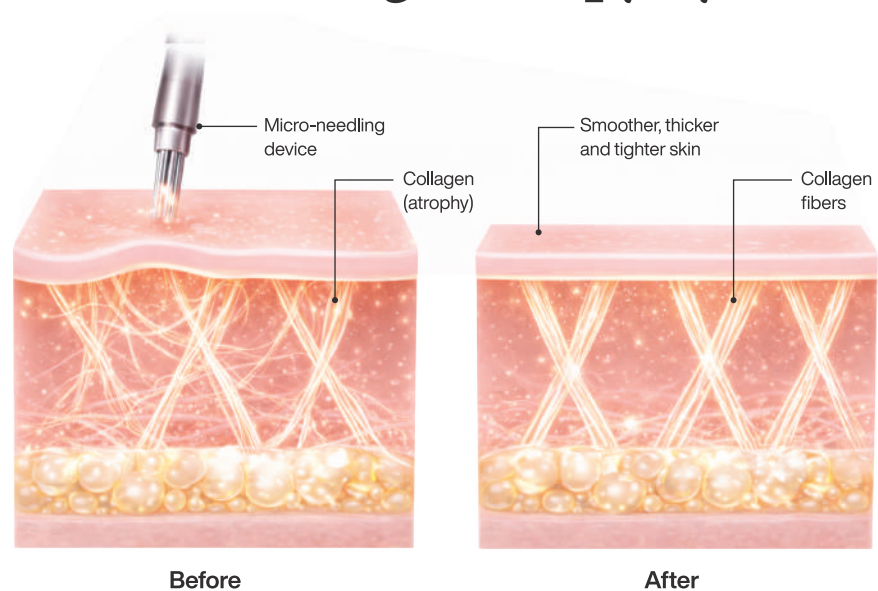
Microneedling Therapy System

Microneedling is a skin treatment technique that creates microscopic channels in the skin using fine needles to stimulate skin regeneration and maximize the absorption of active ingredients. It is a widely used non-invasive procedure that activates the skin's natural healing ability while causing minimal damage to the skin surface.



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Mechanism of Action of the Microneedling Therapy System



Transdermal Delivery

Micro-channels created by the needles allow active ingredients —such as ampoules or boosters—to penetrate deeply into the skin. Compared to normal topical application, absorption is significantly enhanced, maximizing treatment efficacy.

Collagen Induction Therapy

The micro-injuries trigger the skin's natural healing response, activating the production of collagen and elastin to repair the affected area. This leads to improved skin elasticity, reduction of fine lines, and visible improvement in scars and enlarged pores.

Dual Effect of MTS + Functional Ampoules

Microneedling Therapy System (MTS) alone provides regenerative benefits, but when combined with a functional ampoule, the active ingredients penetrate deeper through transdermal delivery, creating a powerful synergy.

► A dual effect of “mechanical stimulation” + “enhanced delivery of high-performance ingredients.”



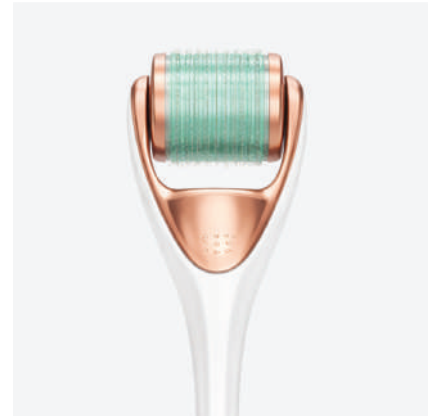
Microneedling Devices

Pros

- Adjustable needle depth and speed allow for customized, high-precision treatment tailored to the specific condition of the skin.
- Highly effective for a wide range of skin concerns, including skin regeneration, scarring, pore reduction, and elasticity improvement.
- High absorption rate of active ingredients and consistent treatment quality maintained through advanced technology.

Cons

- Must be performed by a trained professional in a clinical environment.
- Depending on the needle depth, there is a possibility of post-procedure redness, swelling, and a recovery period (downtime).



Home-Use Microneedle Rollers (Derma Roller)

- The method is relatively simple, making it easy to incorporate into a home skincare routine.
- Regular use can help improve skin texture and boost the absorption of topical skincare products.
- Allows for skin maintenance without the need to visit a professional clinic.

- Short needles offer minimal improvement compared to clinical devices.
- High potential for breakouts due to inadequate sterilization.
- Dull/bent needles from reuse can cause micro-tears on the skin.

03

Pros & Cons by Microneedling Type



Syringe-Attached Microneedle Rollers

Pros

- Allows simultaneous microneedling and delivery of ampoules or solutions.
- Designed to enhance the absorption efficiency of active ingredients.
- Saves treatment time and offers improved convenience.

Cons

- Requires familiarity with the usage method and may be challenging for beginners.
- The flow direction of the solution may vary depending on the angle of use, requiring careful control.
- For safer and more stable use, rolling should be performed only after the ampoule has been sufficiently applied to the skin prior to needling.
- Due to the product's structural design, cleaning and maintenance may be somewhat cumbersome.



Micro-Needle Roller with Integrated Roller (Vial) Head

- Enables intuitive control of product usage, allowing easy monitoring of the applied amount and helping prevent overuse on specific areas.
- Eliminates the need to dispense the solution by hand, ensuring improved hygiene even in home-care environments.
- Features a modular design with easily replaceable heads, offering flexibility for use with various formulations.

- If the connection between components is not securely fastened, there is a potential risk of leakage during use.
- The solution is not dispensed automatically; instead, it is released through pressure applied when pressing and lifting the roller against the skin, requiring controlled pressure and repeated pressing motions during use.
- Variations in pressure and rolling speed may result in inconsistent solution dispensing.

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Importance of Needle Depth (Effectiveness · Safety · Recovery Time)



Effectiveness

The depth reached by the needles determines which skin layer is stimulated. Therefore, selecting the appropriate needle depth is essential depending on the skin concern you aim to address—such as pores, fine lines, elasticity, pigmentation, or scars.



Safety

Excessively deep penetration may cause unnecessary bleeding, irritation, or inflammation. Proper depth settings must be adjusted according to the client's skin thickness, treatment area, and sensitivity.



Recovery Time

The deeper the needle penetration, the longer the skin's regeneration period becomes. 0.25 mm typically requires about 3–4 days, 0.5 mm requires 1–2 weeks, and needles 1 mm or deeper usually need over 2 weeks for full recovery.

Microneedling Needle Length & Penetration Depth Table

0.25 mm	Reaches the stratum corneum (upper epidermis). Enhances absorption of active ingredients; minimal pain.
0.5 mm	Reaches the epidermis to the epidermal–dermal junction. Suitable for early-stage scars, mild elasticity improvement, and texture/tone improvement.
1.0 mm	Reaches the upper dermis. Promotes collagen regeneration; effective for pores and acne scars.
1.5 mm	Reaches the deeper dermis. For deep scars, wrinkles, and stretch marks; requires professional care.

※ Longer needle lengths lead to deeper penetration, increased pain, and longer downtime.

Skin Layer	Approx. Depth	Needle Length Reached	Main Effects
Epidermis	~0.1 mm	0.25–0.3 mm	Enhances absorption of active ingredients; activates skin barrier function.
Epidermal–Dermal Junction	~0.4–0.5 mm	0.5 mm	Improves skin texture; promotes epidermal regeneration.
Dermis	~1–2 mm	1.0–1.5 mm	Collagen regeneration; improves pores & scars; enhances elasticity.

※ Because different needle lengths stimulate different skin layers, it is important to choose the appropriate depth based on the specific skin concern you want to target

Concern	Recommended Depth	Description
Pigmentation	0.25–0.75 mm	Depth is adjusted based on the type and layer of pigmentation; generally shallow to medium needle depth is used.
Elasticity	0.5–1.0 mm	Stimulates the upper dermis to promote collagen regeneration.
Pores	0.75–1.0 mm	Helps improve enlarged pores by stimulating the sebaceous glands and upper dermis.
Acne Scars	1.0–1.5 mm	Deep dermal remodeling is required; most effective for textured scars.
Wrinkles	0.5–1.0 mm	0.5 mm for fine lines, up to 1.0 mm for deeper wrinkles.
Stretch Marks	1.5–2.0 mm	Requires regeneration of the damaged deep dermis → deeper needles are used.
Scalp	0.25–0.5 mm	Promotes absorption of growth factors and nourishing ingredients.

05 Factors to Consider When Choosing Needle Type and Depth

1) Presence of Metal (Nickel) Allergy

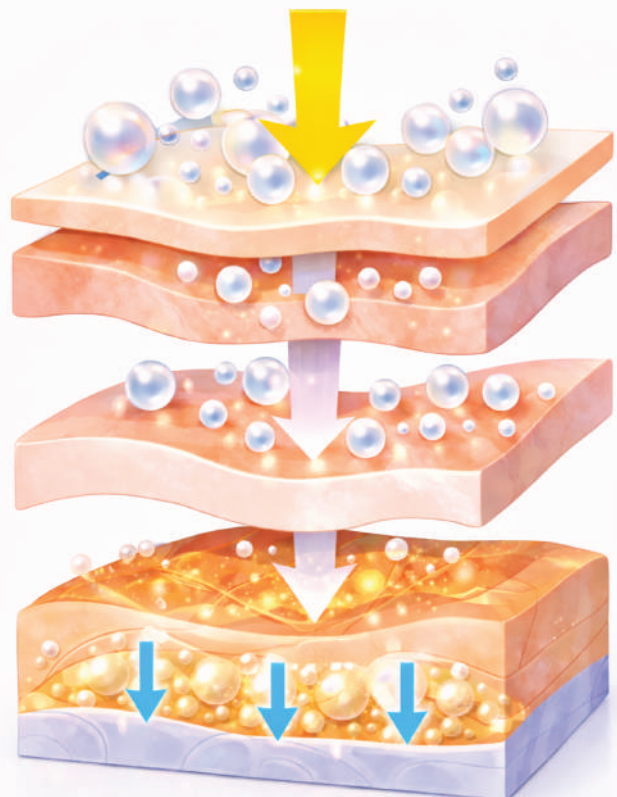
If the client has a metal or nickel allergy, steel needles should not be used. Instead, plastic needles must be selected to prevent allergic reactions.

2) Pain Level and Skin Sensitivity

As needle depth increases, pain and skin irritation also increase. Therefore, the client's skin thickness and skin type must be assessed to adjust the needle depth appropriately.

3) Procedure Depth Setting and Bleeding Considerations

- **This procedure is intended for cosmetic management purposes only, not for medical treatment, and treatment at depths that cause bleeding should be avoided.** Although it is theoretically ideal to finely adjust the treatment depth according to the treatment area and individual skin concerns, it is recommended to set the depth within a non-bleeding range, prioritizing safety and skin recovery.



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Precautions for the Microneedling Therapy System

- **Pre-Treatment Precautions**

Before undergoing microneedling, it is essential to thoroughly assess the overall skin condition, including any history of metal allergies, inflammation, open wounds, active breakouts, or signs of infection. If the client has recently undergone dermatological procedures such as laser treatment, chemical peeling, or dermabrasion, microneedling should only be performed after an adequate recovery period.

- **Precautions During Treatment**

Needle depth and pressure must be adjusted according to the individual's skin type. Excessive or repeated stimulation of the same area may lead to inflammation or post-inflammatory hyperpigmentation and should be avoided. If excessive pain, bleeding, or immediate swelling occurs during the procedure, it is strongly recommended to stop the treatment immediately. All treatment tools must be single-use only and thoroughly sterilized prior to use.

- **Post-Treatment Precautions**

After the procedure, temporary redness, stinging, or a sensation of heat may occur; these symptoms typically subside naturally on the same day or within approximately three days. On the day of treatment, clients should avoid saunas, swimming, strenuous exercise, and alcohol consumption. During the recovery period, minimize sun exposure and ensure diligent sun protection. Avoid exfoliation and the use of potentially irritating ingredients such as retinol and acidic components (AHA, BHA, PHA, LHA). Focus on soothing, regenerative, and moisturizing care to support skin recovery. If abnormal reactions occur persistent swelling, pain, heat, blistering, oozing, or severe itching occur, visiting a dermatology clinic or medical institution is strongly recommended.

- **Pregnant or Breastfeeding Clients**

Microneedling is not an absolute contraindication during pregnancy or breastfeeding; however, for reasons of safety, effectiveness, and treatment sustainability, it is generally recommended to undergo treatment after childbirth. During pregnancy, procedures involving topical anesthetic creams or relatively long needles should be avoided. If treatment is unavoidable, it should be limited to minimal-stimulation care using plastic needles without anesthetic cream. Additionally, pregnant clients may experience discomfort from maintaining the same position for extended periods. Microneedling typically requires regular, continuous sessions to maintain results, which may be impractical during pregnancy. Therefore, microneedling during pregnancy should only be performed when the client strongly requests treatment after receiving sufficient explanation, and only on a limited basis following prior consultation or medical clearance from an obstetrician.

- **Clients with Diabetes or Those Taking Aspirin**

For clients taking aspirin or anticoagulant medications, there is an increased risk of bleeding. In such cases, the use of plastic needles instead of metal needles is recommended.

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Microneedling Therapy System Q&A



How often do I have to do the procedure to see improvement?

It can take about 4-5 sessions to see an effect depending on the skin type and procedure method, but to maintain the skin it should be done for 1-3 months. The procedure is the most effective when done consistently (For example, 1 time per week for a few months). If the client wants to keep the long-lasting effect, they need to take extra care to "After-care" just like after a semi-permanent makeup procedure.

Can I tan after the procedure?

The MTS procedure already stimulates the skin and tanning can intensify it too much, so it is best not to tan for about 2 weeks.

Can you do Medisco Peelive Peeling or Stayve Seanergy Peel after the MTS treatment?

Since the skin needs to relax after one kind of treatment, Please do not perform a peeling treatment right away. In such peeling treatments as the Seanergy Peel or Medisco Peelive Peeling, the spicule is embedded on the skin and makes the dead skin cells exfoliated, the skin will be irritated. If you perform the right after the MTS treatment, the skin will be more irritated. It will need at least 3 weeks or 1 month of intervals to give the skin turnover.

Do I have to use one ampoule per person?

It is best to use one ampoule per person. Because if the ampoule amount is too small, the skin will be stimulated by needles too much, and the skin may become too dry or rough after the procedure, you can't expect the result you want. The stimulation can be more during a procedure with less ampoule.

How should I store a remaining ampoule?

We recommend using one vial per person, as mentioned. If any ampoule remains after opening, it should be used within two weeks and stored in the refrigerator. Always check the consistency before using an already opened ampoule. If you notice or suspect any changes, discard it immediately. Unopened ampoules should be stored at room temperature, ensuring they are kept away from direct sunlight or heat.

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Microneedling Treatment Care

STEP 1.

Cleansing (Skin Preparation)

Before the treatment, gently remove makeup, impurities, and excess sebum from the skin surface without irritation to prepare the skin in a clean and balanced condition.



STAYVE
Mild Cleansing Milk (EVE VEGAN)

A gentle cleanser that minimizes skin irritation and is suitable for both pre-treatment and daily use.



STAYVE
Hydrating Rose Toner (EVE VEGAN)

A toner that helps refine skin texture after cleansing while providing hydration and soothing effects with Damask rose flower water.

STEP 2.

Exfoliation (Skin Texture Refinement)

After cleansing, it is necessary to gently refine dead skin cells on the skin surface to enhance the absorption of active ingredients.



STAYVE
Dermawhite Exfoliating Gel

A mild exfoliating gel containing Mandelic Acid that helps remove dead skin cells and improve skin texture without irritation. Designed to be suitable for use prior to microneedling treatments.



STAYVE
Dermawhite Neutralising Foam

Helps stabilize the skin's acidity level and maintains balanced skin condition before the procedure.

STEP 3.

Active Ingredient Infusion (Treatment Step)



STAYVE / MEDISCO
Microneedling Ampoule

This is the core step where active ingredients are delivered deep into the skin through micro-channels created by microneedling. Products are selected based on skin concerns and desired treatment outcomes. Choose the ampoules based on your skin concerns.

STEP 4.

Skin Protection & Barrier Strengthening

This step protects sensitive skin after treatment and helps prevent moisture loss.



LESIMO
Hyaluronic Acid Aqua Serum Mask

Contains Sodium Hyaluronate to provide hydration and support moisture retention and skin recovery.



MEDISCO
SkinGlow Mask

Helps protect the skin after treatment while enhancing glow and vitality.

STEP 5.

Soothing & Recovery Care (Final Step)

The final step helps soothe and restore the skin, reducing post-treatment discomfort and supporting recovery.



MEDISCO
Peelieve Cica Cream



STAYVE
Repair Cream for
Face and Body
(EVE VEGAN)

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Microneedling Ampoule & After care Product Recommendations

Brightening

All skin types / Hyperpigmentation & dark spots



STAYVE
Whitening Stem Cell Culture Ampoule

Contains Niacinamide and Rice Callus Culture Extract to help brighten skin tone and enhance radiance.



STAYVE
Dermawhite Ampoule No.1 Light

Adheres naturally to light skin tones, helping create a brighter and more even complexion. Other shades available depending on skin tone: No.1-2 Light Rose / No.2 Medium / No.3 Deep

Sensitive

Sensitive skin / Reactive skin & redness



STAYVE
Citron & Calendula Ampoule

Formulated with Pot Marigold Flower Water and Orange & Lemon Peel Oils to provide soothing and antioxidant care while maintaining healthy skin balance.



MEDISCO
Skinbooster PDRN EXO

Contains AHA and PHA for gentle exfoliation suitable for sensitive skin, along with PDRN and Grape Exosome ingredients to help strengthen the skin barrier and improve elasticity.

Hydra

Normal skin / Dehydrated skin / Fine lines & dullness



MEDISCO
Skinbooster Hyaluronic Acid

Formulated with seven hydrating ingredients to provide intensive moisture, support skin regeneration, improve nourishment, and deliver antioxidant benefits.



STAYVE
Aqua Stem Cell Culture Ampoule

Provides deep hydration while supporting skin vitality and recovery.

Repair

Damaged skin / Recovery care / Skin barrier strengthening & regeneration



STAYVE
Microbiome Ampoule

Contains Bifida Ferment Lysate and Arginine to help provide moisture to dry skin and support skin barrier care.



STAYVE
Salmon DNA Gold Ampoule

Contains PDRN, DNA, and Gold to help support skin regeneration and recovery, while pure gold powder helps provide a natural radiant glow to the skin.

Acne

Oily to combination skin / Acne-prone skin & excess sebum



MEDISCO
Skinbooster AC BHA

Contains AHA, BHA, and LHA to exfoliate dead skin cells, remove excess sebum, and cleanse clogged pores. Formulated with Cica-Biotics, Panthenol, and Allantoin to soothe sensitive skin and strengthen the skin barrier.



STAYVE
AC Stem Cell Gold Ampoule

Contains Centella Asiatica Extract to help soothe inflammation, calm breakouts, and improve acne-prone skin.

Anti-aging

All skin types / Fine lines & reduced elasticity / Elasticity improvement & anti-aging care



STAYVE
Peptide Gold Ampoule

Formulated with various peptides, Adenosine, and Gold to help improve skin elasticity and support anti-aging care.



STAYVE
Collagen Ampoule

Formulated with low-molecular-weight hydrolyzed collagen to help improve skin elasticity and support anti-aging care.



KOREAN PROFESSIONAL COSMECEUTICAL BRAND

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