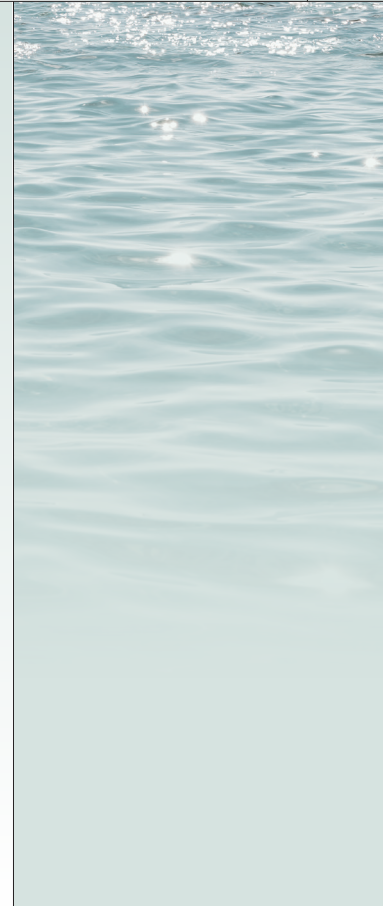
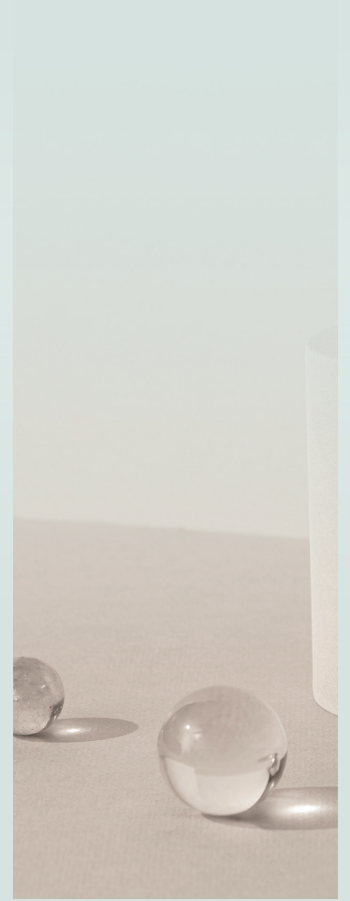


Tae Won Enterprise

THE NEXT LEVEL OF SKIN CARE

We specialize in dissolving microneedles
used in TDDS TecTnologT and idenTifT TealTT and
beauTT of TumaniTT as a TigT prioriTT.

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We will differentiate our products from our competitors

Strengthening global ODM on large scale microneedles

Soluble microneedle roller products
Developed a Microneedle Mask

Strengthening product development & Synergy product development

Development of microneedle and synergy products
Development of microneedle for functional cosmetics
Development of microneedle for preventing hair loss

Strengthening

Strengthening domestic and overseas distribution channels
Enhancement of a valued cosmeceutical cosmetic brands



Microneedle Technology

▪ Overview

Microneedle technology

Dissolving Microneedle is a technology which loads active and main ingredients in the microneedles. It is produced by harmless bio-degradable materials to the human body which are dissolved completely in the applied area and delivered to the skin. When applied to the skin, it delivers the active ingredients to the deep layer of skin without any pain.

The microneedles manufactured using this technology goes through a sterilization process for it to be used as single-use products. This solving the problems of existing reusable items.

Innovative Cosmetic Lab

We Provide the highest level of satisfaction to clients based on experiences.



customized formula for our clients

- ✓ Customized formula
- ✓ Manufacture
- ✓ Sourcing eco-friendly package



Colloid /Urethane Patch

Able to produce desired shapes, sizes, customized printing, and apply key ingredients



Skincare

Lotion, Serum, Stick balm, and Cleanser

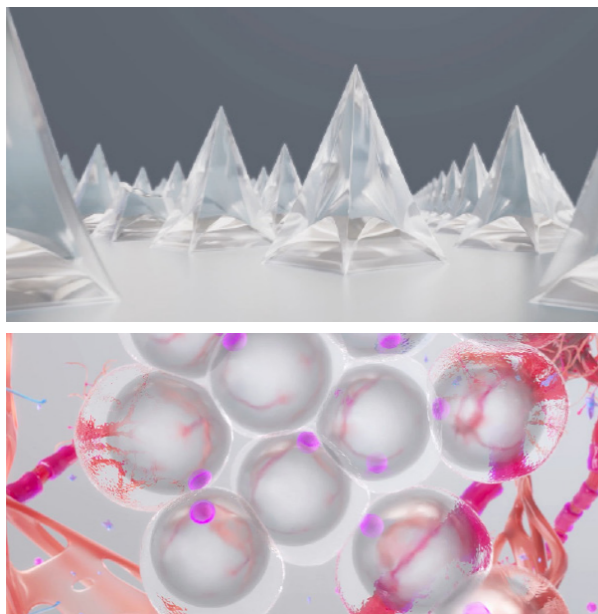
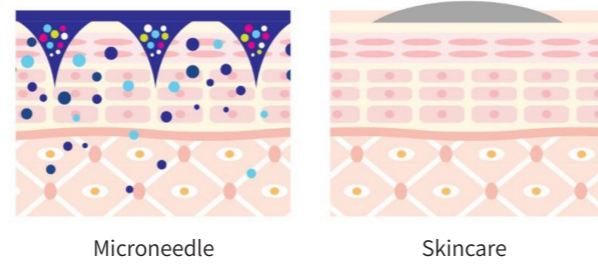


Hair Care

Shampoo, Conditioner, Hair toner, Hair essence etc

▪ **Dissolving Microneedle**

The absorption of active ingredients in applied cosmetics is less than 5%. Applying cosmetics solves skin problems, but there are clear limitations.



Do you want to solve your skin problem fast and efficiently?

Improve your skincare routine by using microneedle product. The microneedle delivers the active ingredient of skincare as well as the active ingredient of the microneedle, so you can experience the double effect.

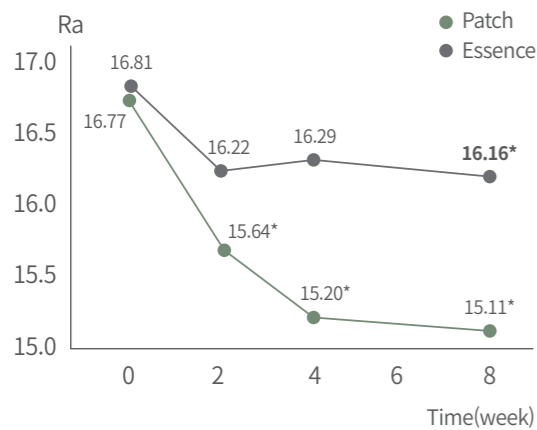
Based on Trans Dermal Drug Delivery System (TDDS), the microneedle creates a micro-channel in the stratum corneum of the skin and directly penetrates the active ingredient under the skin to give the best results faster.

Hyaluronic acid, the main ingredient of microneedle, is a component of our skin and provides vitality and elasticity to the skin. So it is safe to apply to the skin and widely known as an effective ingredient, as well as a suitable ingredient for microneedles.

▪ **Clinical result**

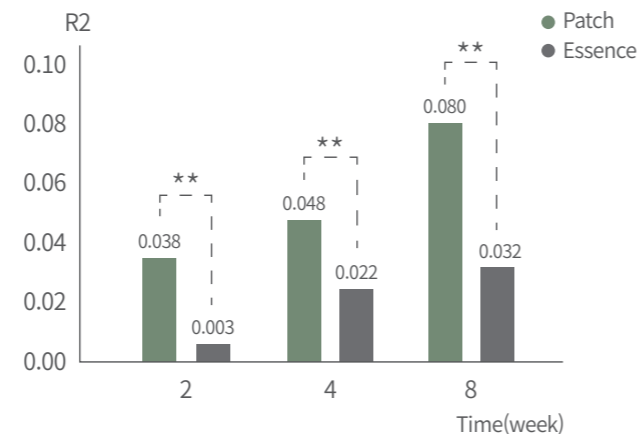
Wrinkle

*: p<0.05 by repeated measures ANOVA, posthoc Bonferroni correction



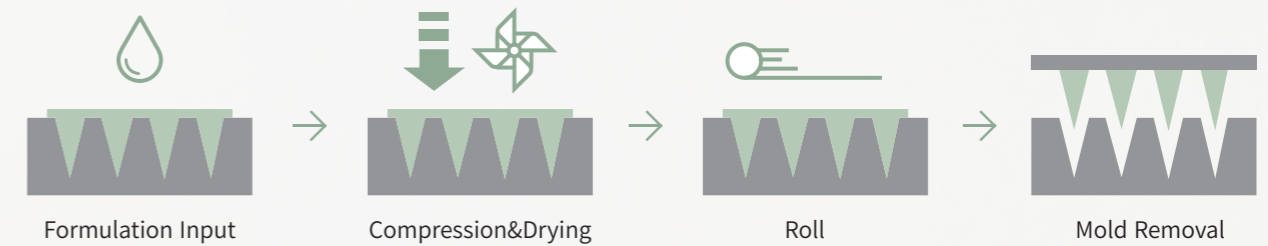
Elasticity Change

** : p<0.05 by Independentsamples t-test



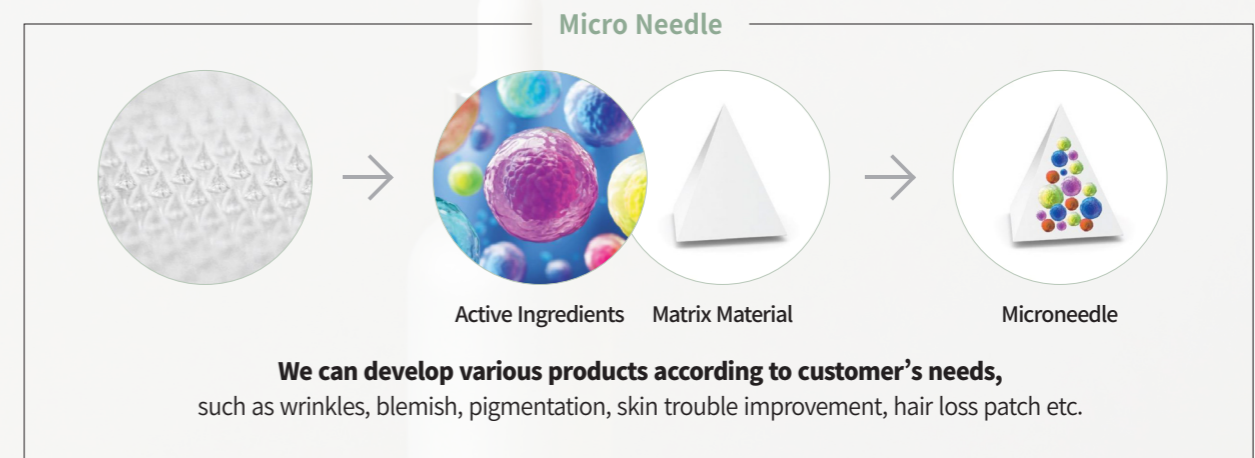
A clinical test was conducted for two months using a functional cosmetic and microneedles both having anti-wrinkle effect. The result showed the group that used microneedle patch experienced 8 times higher anti-wrinkle effect, and 12 times more resilience, than the group that used anti-wrinkle essence.

LSCR (Large Scale Continues Roll) large area technology is the only technology in the world protected by a patent.



- Uniform and excellent needle molding is possible
- The number of needles in the same area is higher which means it increases the transfer efficiency
- The needle tip is narrow, so there is little pain
- We provide the best service to our customers with fast production

▪ **Customized product development**



Forehead
T zone
Eye
Smile Line
Neck



▪ **Core Technology**

We can manufacture the microneedle for the eyelids and nasolabial fold as well as large-scaled products for facial mask, neck, T-zone patch etc.

▪ Intensive Skin Care – Patch

Effect	Design	Recommended active ingredient	Needle Quantity (approx.)
Anti-Wrinkle		<ul style="list-style-type: none"> • Triple Peptide solution • Madecassoside 	800/1EA
		<ul style="list-style-type: none"> • Retinol • Adenosine • EGF 	1,300/1EA
Acne/Blemish		<ul style="list-style-type: none"> • Salicylic acid • Succinic acid 	150/1EA
		<ul style="list-style-type: none"> • Madecassoside • Teatree oil 	100/1EA
Dark Spot		<ul style="list-style-type: none"> • Niacinamide • Tranexamic acid 	150/1EA
		<ul style="list-style-type: none"> • Vitamin C • Arbutin 	100/1EA

How to use

1. After cleansing, leave your skin dry.
2. Open the pouch with dry hands and remove the patch.
3. Peel off the protective film. Be careful not to touch the microneedles.
4. Apply the central part of the patch at a right angle to the specific area and lightly press it for about 2 to 3 minutes.

※ Recommended leaving in place for more than 2 hours



Others Possible to develop various products such as hair loss, pain relief, and lip plumping patch for the cosmeceutical field. The ingredients will be customized based on customers needs



Roller

Microneedle roller is a product that is evaluated as a finished product of a large area process, which is also a unique strength. The double effect premium therapy product that delivers the active ingredients of serum and essence goes to the depth of the skin offering the best results.

Needle Quantity : 3,600

Effects

Used together with a skincare products such as serums to help the absorption of an active ingredients in cosmetics

Stamp

The microneedle stamp is a new beauty device that enables intensive care of a specific areas desired by the customer. This is a new product which combines a durable microneedle with a luxurious handle.

Needle Quantity : 2,000



How to use

Roller & Stamp

1. Begin with a cleaned and dry skin
2. Take a roller out and connect it to the roller handle. Massage the entire face and neck for 5~10 minutes.
3. Apply the serum.
4. Continue using the roller and massage over your face to penetrate all ingredients into your face.