

Innovative Technology  
For Your Medical Aesthetic Needs

Designed for  
Perfection



#### SPECIFICATION

Type	Electroporation & Micro Needling
Needling RPM	1 Level : 4,000 2 Level : 4,500 / 3 Level : 5,000
Depth of needle	0mm~2.0mm
Needle Gage	33G
Electroporation	5 intensity levels
Needle	Disposable sterilized needle
Dimension	27.85 $\phi$ x 39.5(D) x 186.5(L)

 **Eunsung**

**MEDI INVEST**

Exclusively distributed in Benelux by:

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**EPN**

electroporation needle system

The world's first application to  
emerge for effective drug delivery





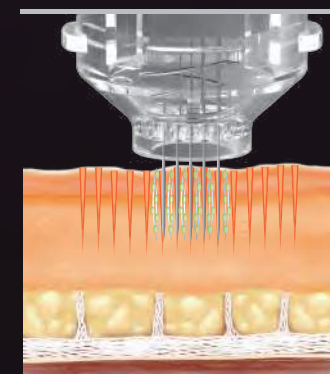
# Designed for Perfection with Electroporation

## Principle of EPN

When injecting microneedle electrodes at 0-20mm depth below the skin surface, it induces precise drug delivery throughout pores. Microneedle electrodes induces electroporation instantly to deliver a drug throughout micro-pores on the dermal fibroblast membranes.

**World's First**  
Electroporation  
& MTS System

- Hair regeneration «
- Improving Surface scar & Deep scar «
- Skin brightening «
- Skin firming «
- Pore contraction «
- Improving Wrinkle «



## Microneedle electroporation

- » Can be activated by microneedles fipenetrated into the dermal layer
- » Makes micro-pores instantly on dermal fibroblast membranes
- » Induces a drug with the high molecular weight to permeate into the fibroblasts

## Automatic micro needling

- » Induces an effective drug delivery stimulating tissue by micro-needling and drug to permeate into the tissue
- » Induces a drug with the high molecular weight to permeate into the dermal layer
- » Induces skin tissue on scar tissue to regenerate throughout micro-pores

Less Pain  
Shorter Treatment Time  
Maximal Drug Delivery

It is possible for EPN  
to generally utilize in  
various purposes on  
face or scalp.

# EPN

## electroporation needle system

EPN is the new generation of emerging technology with combining automatic needling(Auto MTS) and electroporation to effectively deliver a drug. EPN permits (by Auto MTS and electroporation) to effectively deliver a drug into different tissue depths within face or scalp. By needling on the underlying skin tissue in shorter treatment times, it achieves more effective drug delivery through electrostimulating micro-pores that provides less discomfort to the patient.

## 1 A precise and controllable treatment

- 1~3 needling speed levels - 1~5 intensity levels of electroporation
- Adjustable needling speed during a treatment - Electroporation at constant output
- Accurate needling depth with mechanically extreme precision
- Available independent application with automatic needle

## 2 Disposable sterilized needles

- Adjustable control of multiple needle penetration depths, up to 2.0mm
- Direct access to mount and dismount
- Separately packaging
- Restriction of the flowing backward of drug into device



## 3 Ergonomic design

- A non-slip grip
- Operator-friendly handle as a pen type, enabling fatigue-free procedures

