

## LASEMD EXCLUSIVE AMPOULES

### UNIQUE FEATURES OF LASEMD AMPOULES

#### MNG (MULTI-NANOSOME GRANULATED) TECHNOLOGY

LASEMD's unique MNG (Multi-Nanosome Granulated) technology keeps the effective components fresh without any preservatives or chemicals. The nanosized molecules are optimized for the channels created by the LASEMD Station even after the channels have closed.

#### COSMECEUTICAL MINIMALISM

The LASEMD ampoule series is uniquely designed for the CDS (Cosmeceutical Delivery System) approach as each ampoule has the minimum number of ingredients: physicians are thus able to control the treatment result and minimize any side effects to achieve the desired clinical outcome.

### LASEMD AMPOULES SERIES

#### VC AMPOULE (ASCORBIC ACID)

Vitamin C (VC) is one of the strongest naturally occurring antioxidants that encourage younger healthier skin by promoting healthy collagen structures. It also helps to rejuvenate photoaged and photodamaged skin.

#### VA AMPOULE (RETINOL)

Vitamin A (VA), and more specifically retinoic acid, is proven to naturally turn back time on aging skin. The retinoic acid improves aging skin by switching on and upregulating genes to help the epidermal basal layer keratinocytes to differentiate into mature and healthy epidermal cells.

#### TA AMPOULE (TRANEXAMIC ACID)

Tranexamic Acid (TA) has been systemically used for decades to help wound recovery after plastic surgery. An unexpected side effect that doctors and scientists discovered was that it brightened skin, resulting in the use of compounds to address melasma.

#### SC AMPOULE (STEM CELL CONDITIONED MEDIA)

Containing peptides from Stem Cell Conditioned Media, the SC ampoule helps to promote skin rejuvenation by supporting the formation of collagen and elastin fibers.

#### CK AMPOULE (STEM CELL CONDITIONED MEDIA +KGF)

In addition to stem cell technology like SC ampoule, the CK ampoule contains more intensified KGF (Keratinocyte growth factor) and Genistein which are designed for hair regrowth and skin rejuvenation.

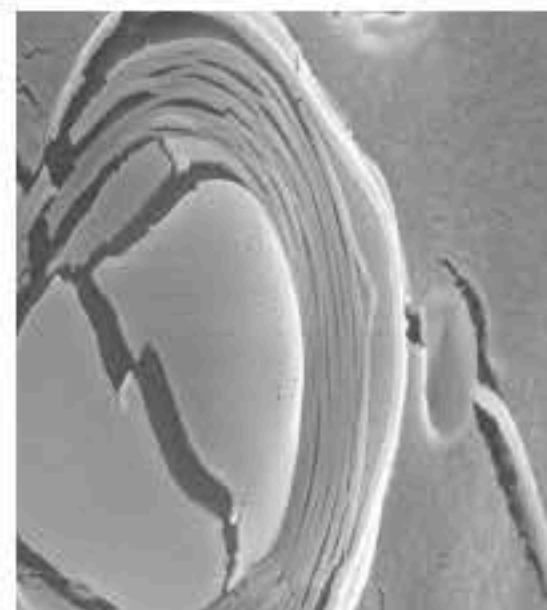
#### RS AMPOULE (RESVERATROL)

The RS ampule contains prime grade (%95 purity) Resveratrol, a naturally-occurring polyphenol, in nanoparticles combined with low molecular hyaluronic acid. The amount of resveratrol in 1 RS ampoule is almost equal to the resveratrol content of 500 bottles of wine, and helps prevent against UV-related skin carcinogenesis and photoaging.

#### POSSIBLE INDICATIONS WITH AMPOULES

- Wrinkle Reduction
- Anti Aging
- Brightening
- Whitening
- Melasma
- Pigment Reduction
- Skin Laxity
- Scar Reduction
- Feathering
- Hair Loss
- Décolleté Care
- Neck Rejuvenation

\* Some products are not saleable in some countries.



SEM Picture of MNG



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## lasemd

The Ideal Cosmeceutical  
Delivery System (CDS)



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# Optimized Technology for Ideal Delivery of Cosmeceuticals

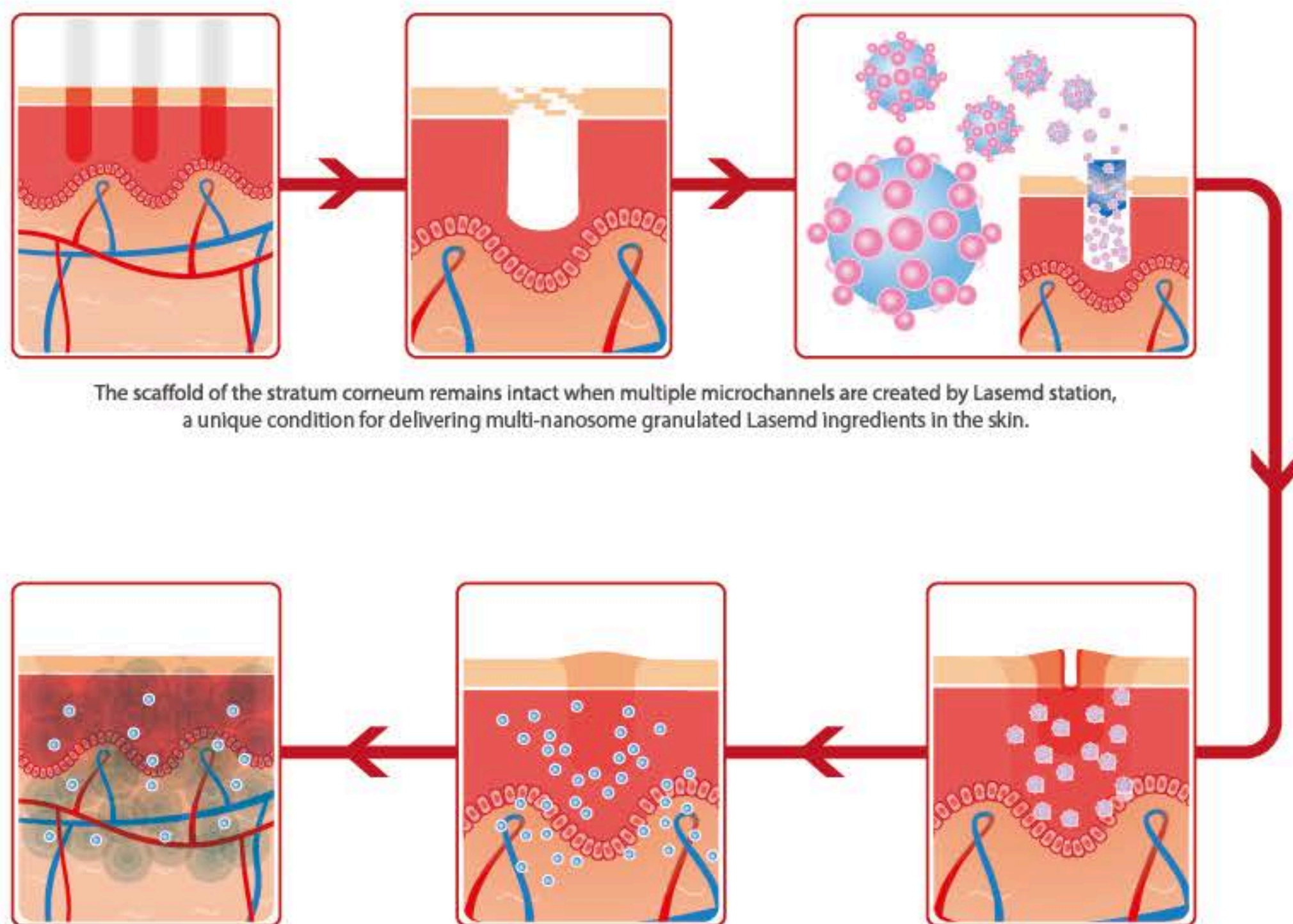
## WINNING COMBINATION OF TECHNOLOGY AND SCIENCE PROVIDE SAFE AND FAST TREATMENTS

LASEMD is a cutting edge CDS which combines a sophisticated laser system together with its exclusive line of cosmeceuticals (LASEMD Ampoules). Engineered to provide an ideal environment for the cosmeceuticals to be absorbed to speed healing from the inside out.

### WHAT IS A CDS?

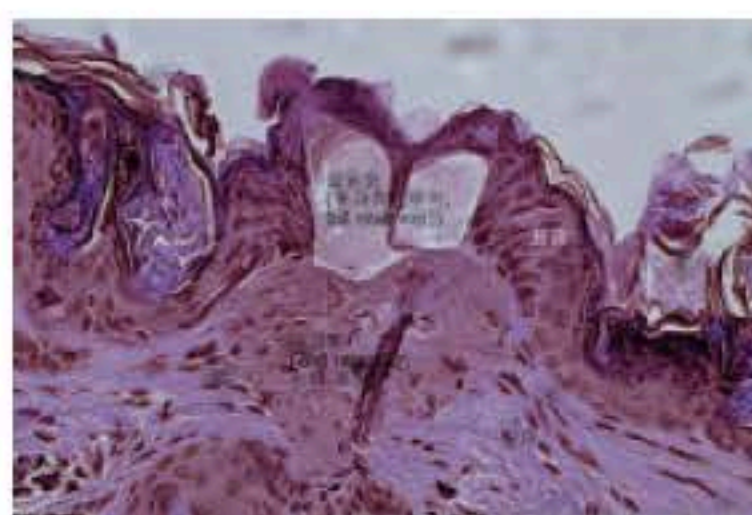
A CDS (Cosmeceutical Delivery System) is the method or process of administering a cosmeceutical compound into the skin via laser wound to achieve a beneficial cutaneous aesthetic effect. Typical cosmetics have great difficulty penetrating the skins barrier, resulting in poor absorption. The laser first creates a micro-wound within the tissue, thus allowing the cosmeceutical to more easily penetrate deep into the skin.

### Concept of Lasemd™ treatment



The scaffold of the stratum corneum remains intact when multiple microchannels are created by Lasemd station, a unique condition for delivering multi-nanosome granulated Lasemd ingredients in the skin.

The microchannels are gently closed while the effective molecules are absorbed into the dermis.



<Skin biopsy after Lasemd Treatment>

"LASEMD is a procedure where the precise laser technology is combined with cosmeceuticals with minimal ingredients, and that can achieve maximum effects without causing any discomfort in daily life. The skin becomes healthy from inside."

**Boncheol Leo Goo, MD, South Korea**

Lasemd station is an optimized laser device which quickly creates precise and controlled microchannels into the skin for ideal delivery of advanced cosmeceuticals.



### TECHNOLOGY

- The fiber-based laser enables LASEMD users to perform more stable and more accurate treatments
- The magnetic tracking system enables speedy treatments by measuring the distance of rolling to obtain exact shots
- The minimal beam diameter (100 μm) provides a more comfortable treatment, which means no anesthesia, and less downtime

### CONVENIENCE

- Zero boot technology – no waiting and immediate use
- Dual operation system - Easy mode for CDS and Advance mode for precise adjustment of energy level.
- Fourfold lasing mode - Dynamic, Static, Random, CW
- Various Tips

### SPEED

- Optimized procedure: 6 minutes including incubation and lasing time

### VERSATILITY

- LASEMD safely treats all skin types all year round and its advanced mode offers a variety of treatments including, cosmeceutical delivery, skin tone and texture improvement and lightening of pigmented lesions.

### DESIGN

- A novel concept in compact and ergonomic handpiece design
- Beautiful and modern design based on minimalism
- Intuitive and innovative TUI (Transparent-touch User Interface)

### MAJOR INDICATIONS

Dermatological procedure requiring the coagulation of soft tissue and the treatment of actinic keratosis

