



DAESHIN ELECTRONICS Co., Ltd.



**대신전자(주)**  
DAESHIN ELECTRONICS co., LTD.

# COMPANY INTRODUCTION

Daeshin Electronics Co., Ltd. is specialized in developing and manufacturing wire harnesses (connection work for all wires) used for cosmetic and diagnostic instruments for human skin care, health condition improvement and diagnosis; and white goods

The company was established in December 2009, having grown by delivering electronic and LED parts to large companies like Dongbu Daewoo Electronics and Carrier to small & medium companies located at advanced industrial areas in Gwangju City.

We have since 2010 invested in R&D business aggressively for business diversification, globalization and sophistication, especially in research and development of skin cosmetic and skin diagnostic instruments. In 2016 we completed the development of IONMI, a skin cosmetic instrument and now supply them to customers. We bring IONMI as a main item, which develops transparent skin texture through skin soothing resulting from galvanic ion effect, physical recovery improvement resulting from micro-current effect, bacterial destruction and vibration effect using a LED skin therapy.

Further, in the medical diagnostic area, we changed the UV lamp for wood light, a skin disease diagnostic instrument used in dermatologic clinics, into the UV LED, and developed a smart wood light by applying the photo shooting function. We make an effort to achieve annual growth target of over 10% with this product.

We are doing our best to produce world top class skin cosmetic instruments under the motto that we provide customers with high quality, reasonable price, and fast delivery service. In addition, we will construct sustainable development and quality management system with definite future vision and preparations, cooperate with worldwide business partners, and impress customers.

## HISTORY

### 2015

- Design registration (No. 30-0784105) – Skin cosmetic instrument
- Patent registration (No. 10-1533840) – Smart wood light for skin diagnosis
- Skin cosmetic instrument: DSC-100GMLV - KC, CE certification completed

### 2014

- Venture Business Certification No.20140403940 (initially 2012.04)
- Patent registration (No. 10-1444940) – Portable multi-functional skin cosmetic instrument
- Environment Management System Certification No. WE11-0273 (initially 2011.10)
  - Certification Standards: KS I IOS 14001:2009/ISO 1400 : 2004
  - Certification range: Manufacture and added service of home appliance harnesses
- Selected as Technology Innovative INNO-BIZ (No.20140414-01417)

### 2012

- Selected as Promising Small & Medium Business (stand alone type) in Gwangju City
- Acknowledged as Clean Business Site (No. 64193)

### 2010

- Corporate Business Registration (Registration No.:200111-0289798)

### 2009

- Established Daeshin Electronics Co., Ltd. (CEO: Jung Il Park)
- Contracted with Dongbu Daewoo Electronics for the supply of wash machine harnesses and started to deliver
- Started to deliver refrigerator harnesses to Shinmyeong Electronics Co., Ltd.
- Started to deliver drum and carrier harnesses to Jungshin Electronics Co., Ltd.

## PRODUCT INFORMATION

### IONMI



Galvanic current uses a safe and low-voltage direct current: a current whose flowing direction is constant. The principle of galvanic current is based on the fact that as anode (+) and cathode (-) appear, (+) electricity moves toward (-) electricity and (-) electricity moves toward (+) electricity. Using this principle, IONMI, a skin care cosmetic instrument, was developed to have effective ingredients of cosmetics absorbed deep into the skin or reversely have wastes discharged out of the skin.

## Effects

- **Galvanic ion effect**

Galvanic anion softens skin tissue, irritating a nerve, promoting absorption of cosmetics. Cation acts to have sebum or waste in the skin discharged out of the skin, having skin astriction and soothing effects.

- **MICRO-CURRENT**

Micro-current occurs in the skin, giving electric massage effect. Use after bathing or while relaxing tense skin can make your skin elastic.

- **LED skin therapy**

595nm LED wavelength helps regeneration of the skin where aging occurs due to UV and infection, improving skin state. Acne bacteria, if exposed to 415nm LED, produce a material called a 'porphyrin', which becomes toxic, inhibiting acne causing bacteria, helping take care of acnes.

- **Vibration**

Vibration on the ion chip head lightly irritates skin muscles, helping effective ingredients of cosmetics absorbed deep into the skin, making more transparent, softer skin texture.



## Stepwise care system

### STEP1 Cleansing(+Ion)

Cation effect of IONMI helps dead skin cells, sebum, and wastes accumulated in epidermal and dermal layers to be pulled out of the epidermal layer.

#### \* Cleansing effect

- Cleansing pores by removing wastes
- Improving acne, oily skin, and preventing acne infection
- Reducing red excited state due to mild acne

### STEP2 Nutrient (-Ion)

Anion of IONMI supplies bio-substances of cosmetics deep into the skin, helping maintain moist and smooth skin at all times.

#### \*Nutrition effect

- Softening skin tissue to help absorption of the massage cream and cosmetics
- Preventing skin aging by reinforcing elastic fibers in the dermal layer.

### STEP3 Lifting( $\pm$ Ion)

Cation and anion of IONMI take care of up to dermal layers, providing elasticity to wrinkles and damaged skin, helping to hold drooping lines of the face smooth and clear.

#### \*Lifting effect

- Activating collagen and elastin to provide vitality to skin having wrinkles and less elasticity
- Reinforcing the function to inhibit melanin pigmentation.

### STEP4 Micro current(+/-Ion)

It stimulates cells and tissues in epidermal and dermal layers to make skin healthy, Alternate flow of cation and anion of IONMI activates base cells to provide skin with elasticity.

#### \* Effect of micro current

- Electric massage effect helps blood circulation.
- Contraction and relaxation of pores help maintain elastic skin.
- Increase in collagen synthesis improves blood circulation and strengthens the body's ability.

## 의료기기·IT

'Wood light' attracts attention.  
IONMI installed with a micro current mode – Smart wood light,  
diagnosing various skin diseases

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### 'IONMI', containing photomedicine core technology

Intensive portable multi-functional skin care instrument and smart wood light, containing photomedicine technology now receive attention, which can be a critical turning point for the 'photomedicine industry' of light county Gwangju.



Portable skin care instrument called IONMI was launched by CEO Jung Il Park at Daeshin Electronics acting as chairman of the photomedicine industry-academy council through 3 years' preparation, containing core technology of light county photomedicine.

CEO Jung Il Park says that the micro current mode included in IONMI exist only in expensive foreign products, and he is confident that his product has better efficacies due to the excellent regional photomedicine base technology.

Park says that portable skin care instrument IONMI includes photomedicine technology like skin analysis, cleaning & sterilization, skin soothing (galvanic), and micro current, explaining that if you let micro current of 10~100 $\mu$ A flow into human body to activate weakened bioelectric current inside human body, the following effects follow: blood circulation, pain relief, adipocyte lipolysis, increase in collagen synthesis, improved metabolism, reduced edema, and production of adenosine triphosphate.

Especial Park reveals that preclinical trial was done at Jeonnam University Hospital and evaluation result on sterilization effect of LED (415nm) against acne bacteria confirmed over 90% sterilization effect; stability of the complex skin massage device (LED) and Micro-current, and galvanic instrument; skin improvement effect.

Park boasts that "This photomedicine technology realizes cleansing, nutrient, lifting, and micro-current effects in the product as well as vibration effect, greatly helping to make healthy skin texture."

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