MEDICON

COMPANY PROFILE — 2026

We make beauty tech.



20 years dedicated to aesthetic medical devices

MEDICON is an aesthetic medical tech company handling everything in-house — from R&D and design to manufacturing and regulatory approval.

CONTENTS

MEDICON Company Profile

An introduction to MEDICON: company, technology, products, manufacturing and global reach.

01 **Company** 03
History · Numbers · Business

02 **Technology** 07
5 Energy Technologies · R&D Network

03 **Products** 12
Tech Map · Line-up · Medical Aesthetic

04 **Manufacturing · ODM** 15
One-stop · ODM Process · Cases

05 **Global · Certification** 18
Export · Certification · Awards

WHO WE ARE

Brilliant everyday life, made with technology.

MEDICON researches ultrasound and RF in-house and manufactures everything from professional devices to home beauty devices.

Founded	**2006. 09. 01**
CEO	**Ha Dong-hoon**
People	**40 (Jul. 2025)**
Base	**HQ Wonju · Branch Seoul**
Field	**Aesthetic medical devices**

Make Everyday Line Brilliant

SINCE 2006

History

2008 — 2010

Foundation

Medical device manufacturing license

CE MDD registration

Corporate R&D center founded

2011 — 2020

Market entry

US FDA 510(k) clearance

Export to L'Oréal Group

3 core technologies (MFU · HDU · BT)

2021 — 2024

Growth

ULTIGHT · ULKIN launched

Home HIFU / RF / EP line-up

ODM supply expanded

2025 —

Expansion

Professional HIFU/RF devices

Own brand development

Global market expansion

IN NUMBERS

20 years of technology, in numbers.

20 yrs

In business

Aesthetic medical devices

45

Export countries

Americas · Europe · Asia

84

Intellectual property

Korea & overseas

5

Technology

MFU · HDU · RF · EP+EMS · BT

IP BREAKDOWN



- Patents 36
- Designs · Trademarks 40
- SCI papers 3
- Academic papers 5

WHAT WE DO

Non-invasive energy, 4 business areas



From device development to training, built on non-invasive energy technology.

01 **Aesthetic medical devices**
Non-invasive energy-based professional devices

02 **Home beauty devices**
Ultrasound · RF · electric pulse · microcurrent, ODM/OEM

03 **Cosmetics · consumables**
Consumables used with our devices

04 **Training · development consulting**
Device training, R&D planning · design, regulatory support

CORE TECHNOLOGY

Many energies, one technology platform.

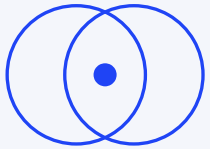


MFU

Micro focused ultrasound

Micro Focused Ultrasound

Narrow focal region for precise delivery



HDU

High-density dual ultrasound

High Dual Ultrasound

Crossed 1 · 3 · 10MHz ultrasound

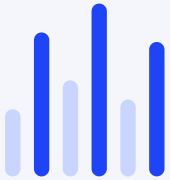


RF

Radio frequency

Radio Frequency

Firming care with RF thermal energy



EP + EMS

Electric-pulse delivery + microcurrent stimulation

Electroporation · Electrical Muscle Stimulation

Multi-frequency pulses deliver actives; microcurrent supports facial contour and firmness care



BT

Blue light + thermal

Blue light & Thermal

468nm blue light with 47°C heat

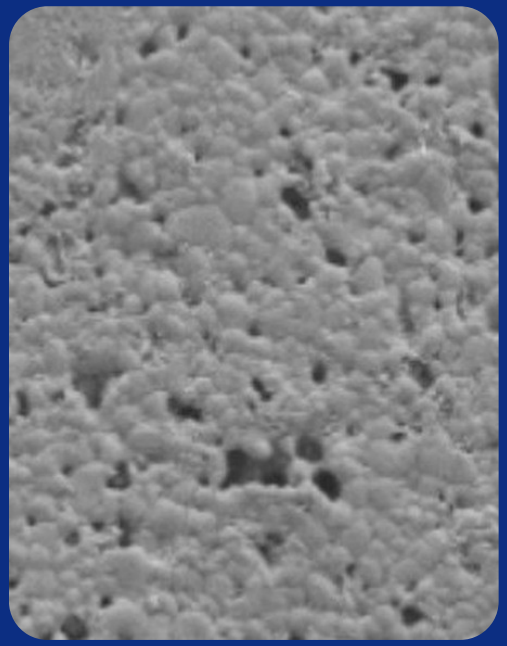
Details follow on the next pages; applied products are shown on the tech map (p.12).

MFU · MICRO FOCUSED ULTRASOUND

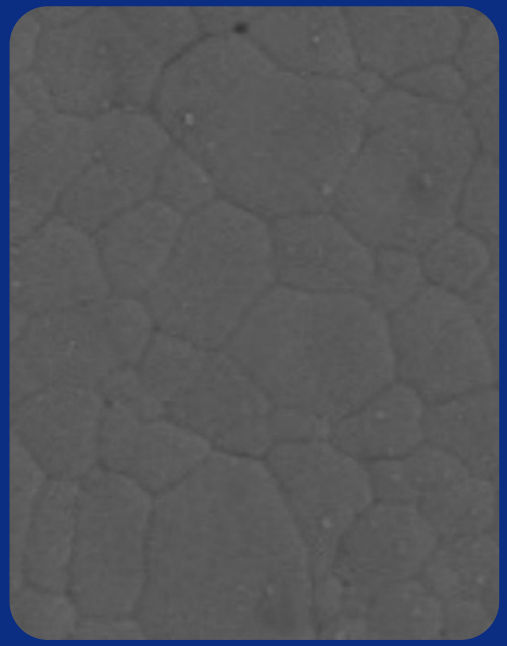
Narrower, more precise.

PROCESS	**MPT process**	Metal Printing Transducer — developed in-house
FOCUS	**1/3 focal region**	Focal region area vs. conventional HIFU
SURFACE	**Pore-free piezo element**	SEM surface comparison
PROOF	**Patent · SCI paper**	Patent No. 10-2543327 · Annals of Plastic Surgery, etc.

In development since 2014 · 2025 Korea Excellent Patent Award



Conventional HIFU
Porous, rough surface



MEDICON MFU
Pore-free, uniform surface

FOCAL REGION



Conventional HIFU



MFU
1/3 area

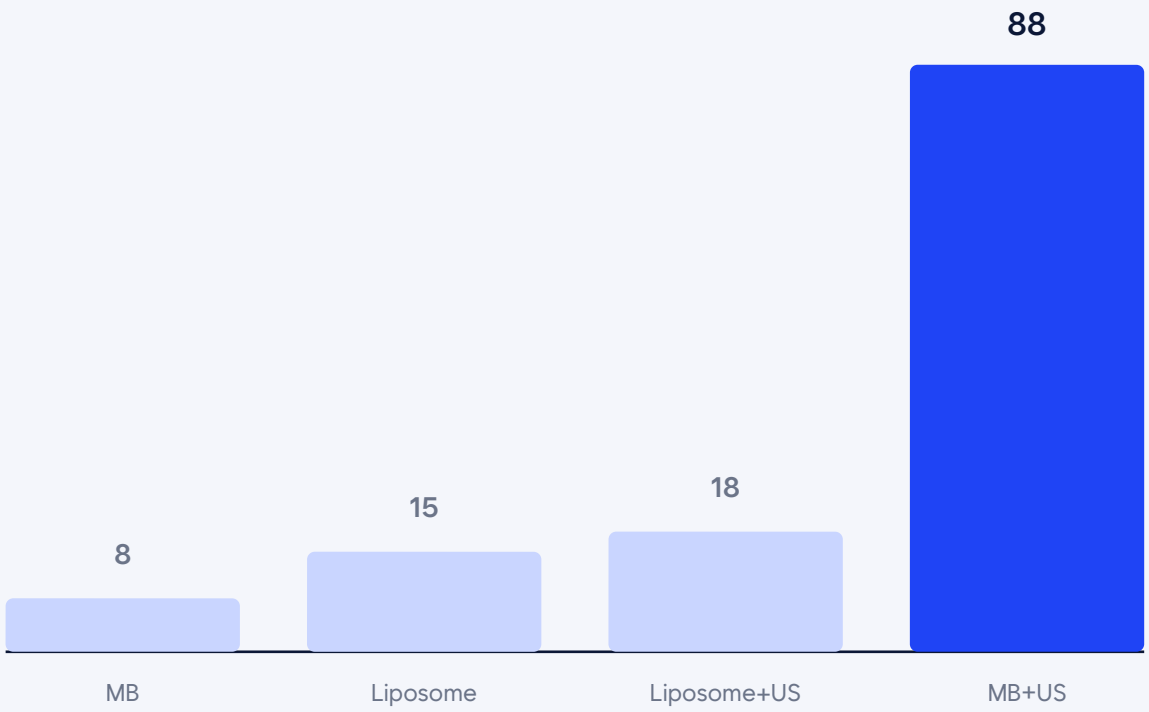


HDU · HIGH DUAL ULTRASOUND

Two ultrasounds, crossed.

High-density 1 · 3 · 10MHz ultrasound generated in a crossed pattern. Nano-Phoresis mode helps deliver active ingredients.

SKIN PERMEATION — FRANZ CELL



API (μg/ml), MB = microbubble · US = ultrasound. Approximate values read from the source graph (reported as a 15x increase).







RF

RADIO FREQUENCY

Firming care with RF thermal energy

ENERGY	RF thermal energy
PRODUCT	D-WAVE · Thermatune MINI
ODM	LUKINS (HIFU + RF)

EP + EMS

ELECTROPORATION · EMS

Active delivery + facial contour care

PULSE	Multi-frequency electric pulse
CURRENT	Microcurrent stimulation
PRODUCT	CCLIME · THERAWAVE AIR

BT

BLUE LIGHT & THERMAL

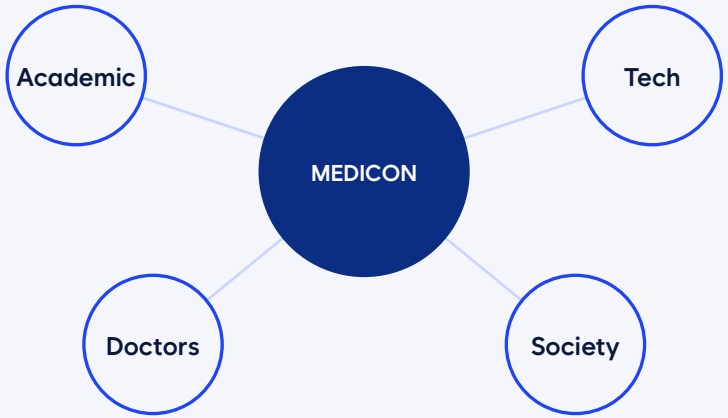
Blue light and heat together

LIGHT	468nm blue light
HEAT	47°C heat
PAPER	Published in an SCI journal

EP + EMS: electric pulses open skin pathways while microcurrent stimulates muscle. Multi-frequency 2.5kHz sine wave · medical-grade SUS head.

NETWORK

Medical tech network



R&D

R&D Center

CTO · Deputy director — electronics & aesthetic device experience

ACADEMIC

Academic advisors

University hospital plastic surgery · beauty faculty

ENGINEERING

Technical advisors

Biomedical engineering faculty · dermatologists

KEY DOCTOR

Key doctors

Plastic surgeons · dermatologists

SOCIETY

Society partners

ASLS · Korean Society for Laser, Dermatology & Hair

TECHNOLOGY → PRODUCTS

5 technologies, across medical aesthetic, home and ODM.

	MEDICAL AESTHETIC Professional devices	HOME Own home beauty devices	ODM · OEM Partner brand products
MFU	ULTIGHT	D-WAVE	MADECA PRIME INFINITY
HDU	ULKIN	T-WAVE	—
RF	—	D-WAVE · Thermatune MINI	LUKINS
EP+EMS	—	Thermatune MINI (EP)	CCLIME · THERAWAVE AIR · MADECA PRIME INFINITY (EP) · re:nk Cell ReActor (EP)
BT	—	CLEANE ACNE	ACUZER

Own products: next page line-up. ODM · OEM products: cases on p.17.

LINE-UP

From medical aesthetic to home, our technology connects.



ULTIGHT

MEDICAL AESTHETIC · MFU



ULKIN

MEDICAL AESTHETIC · HDU



D-WAVE

HOME · MFU + RF



T-WAVE

HOME · HDU



CLEANE ACNE

HOME · BT



CLEANE PEELING

HOME · Ultrasonic galvanic



Thermatune MINI

HOME · RF + EP



ORGANOID GEL

COSMETIC · Hydro booster gel

Own brands. ODM · OEM products are shown on p.17.

MEDICAL AESTHETIC

Proven in professional settings first.



ULKIN

1 · 3 · 10MHz HDU device · Nano-Phoresis mode

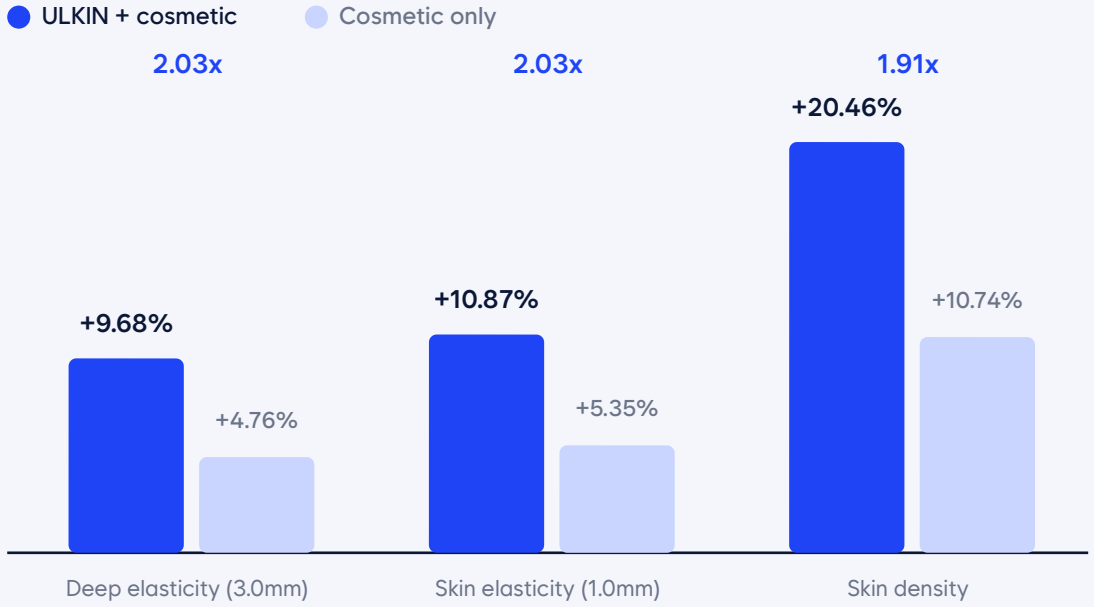
156 clinics & hospitals

ULTIGHT

MFU-based professional device · 6 patents · used in 17 countries

ULKIN HUMAN APPLICATION TEST — AFTER 2 WEEKS

Improvement: ULKIN + cosmetic vs. cosmetic only





CASE 01 · Female, 40s



CASE 02 · Male, 50s

Graph: Korea Institute of Dermatological Sciences human application test (21 adult women; improvement vs. baseline; multiples vs. cosmetic only). Photos: before/after cases from the ULKIN brochure; results may vary.

From R&D to mass production, one-stop in-house manufacturing

Design, mass production and strict quality testing are all managed within our own facilities.



01

R&D



02

Assembly



03

Test



04

Production

ODM · OEM

We turn your brand's vision into products.

01 **Planning · mechanism**
Energy and specs for the goal

02 **Engineering · design**
Structure · material · firmware · mold

03 **Prototype · validation**
Output · safety · usability tests

04 **Certification · testing**
KC · CE · FCC and more

05 **Production · delivery**
Wonju HQ production line

In-house R&D	36 patents · 5 energy technologies
One-stop production	Design · assembly · QC in one place
Certification	FDA 510(k) · CE · FCC · KC

PARTNERS

L'Oréal	Dior	Amorepacific	GC	Dongkook Pharm	Kolmar Korea	Coway Re:NK
Kyowon Wells	TONYMOLY	Celladix	MostX	ENEX	Lameditech	THERAWAVE

ODM · OEM CASES

Products made with partner brands



MADECA PRIME INFINITY

Dongkook Pharm · Centellian24

MFU + EP



LUKINS

MostX

HIFU + RF



re:nk Cell ReActor

Coway Re:NK · Healerby

EP · Collagen mid-shot ampoule



THERAWAVE AIR

THERAWAVE

EP + EMS



ACUZER

Celladix

BT



CCLIME

CCLIME

EP + EMS

SCOPE

Planning · Mechanism · Exterior design · Circuit · firmware · Mold · injection · Certification · testing · Mass production

GLOBAL

45
export countries

We supply MEDICON devices through partners in the Americas, Europe and Asia.

FDA 510(k) · CE · FCC · KC · RoHS

AMERICAS	**USA** Vesselco
EUROPE	**Russia · Netherlands** LOTOS · GBS
MIDDLE EAST	**Israel** 4MP
ASIA	**Hong Kong · Japan** RBS · IGMS, etc.
FIRST	**L'Oréal Group's first beauty device** Exported to L'Oréal, France



RECOGNITION

Awards · Certifications

- **2010** Gangwon promising SME
- **2011** $1M Export Tower · Minister's Award
- **2016** INNO-BIZ certified
- **2021** Wonju Mayor's commendation
- **2023** Excellent venture company
- **2024** Global Leading SME 1000+
- **2025** **Korea Excellent Patent Award**

Left: Patent No. 10-2543327 certificate, 3 SCI journal papers

MEDICON

Let's make it together.

Web	www.medicon.co.kr
Contact	medicon@medicon.co.kr · +82-70-4220-2582
Head office	#506, 200 Gieopdosi-ro, Jijeong-myeon, Wonju, Gangwon, Korea
Seoul	4F Shinyoung B/D, 26 Saimdang-ro, Seocho-gu, Seoul, Korea

