The only solution for your Hair Loss problems

Hair Loss Scale, AFS 3D

Advanced Future Systems
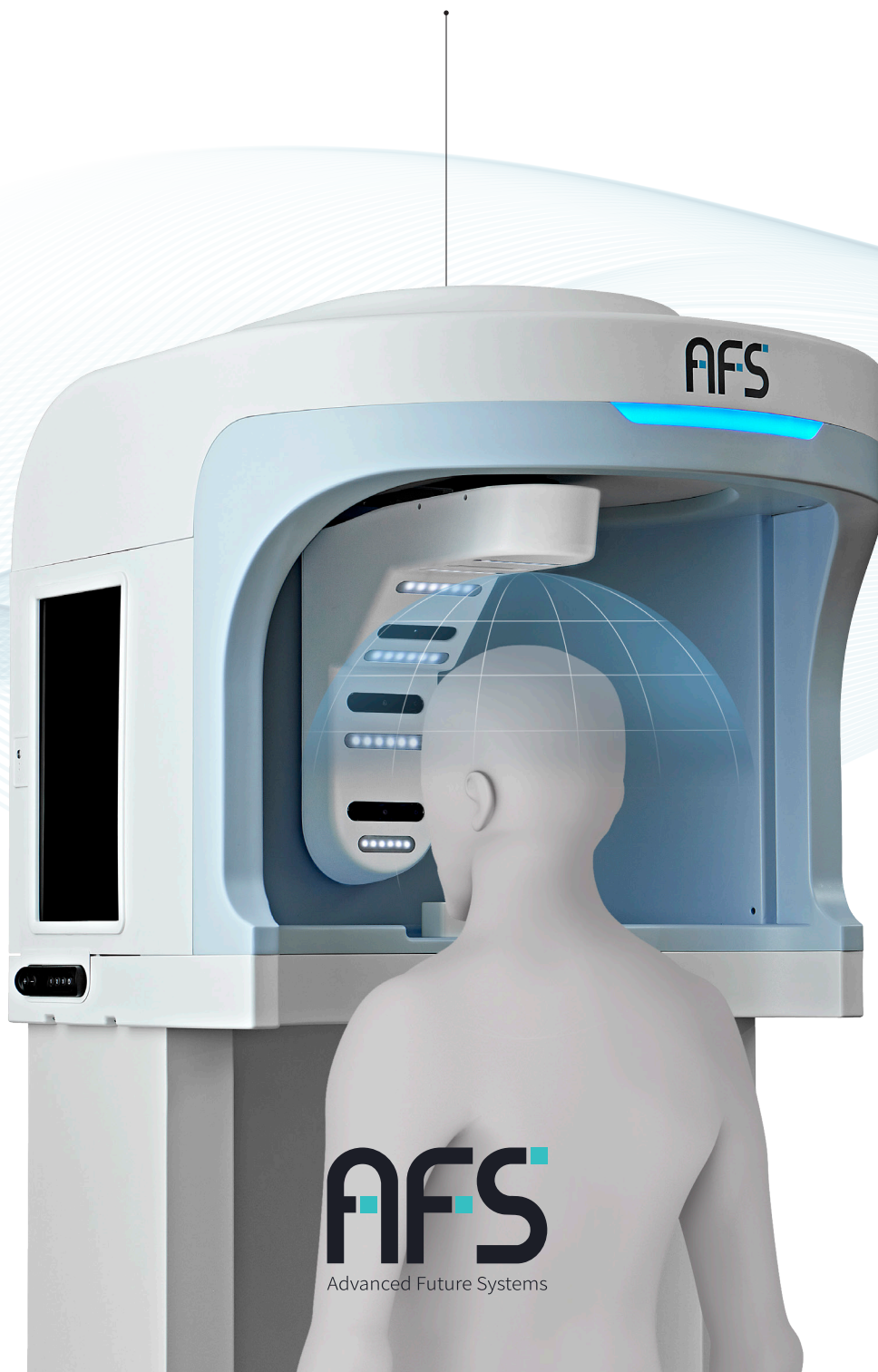
CES™ Innovation Awards

2025 Honoree

AFS
Advanced Future Systems

To measure obesity,
we use scales
**but what about
Hair Loss?**

AFS

We have developed the
Hair Loss Scale, AFS 3D,
to address this issue.

Devices such as scales or body composition analyzers are commonly employed to measure our body weight and obesity. However, **in the current hair loss market, there is a lack of equipment capable of quantitatively diagnosing and numerically repres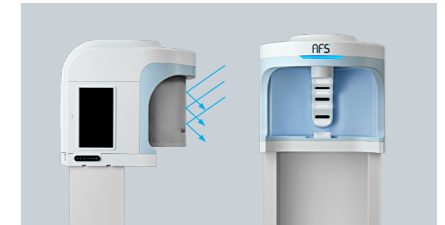enting the degree of hair loss.** Due to our reliance on visual estimates or qualitative methods for assessing hair loss, it is challenging to instill confidence in patients and even more difficult to transitioning them into receiving proper treatment

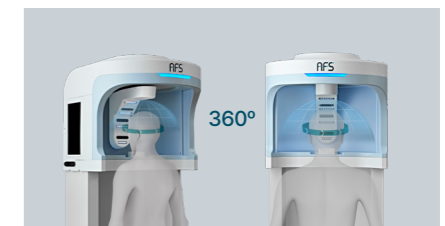We have developed the **Hair Loss Scale, AFS 3D**, to address this issue.

Controlling the Variables

Environmental Conditions such as Indoor Lighting and Angle We can control variables to ensure consistent conditions for capturing images.

Shooting

Regardless of the type of scalp, we can capture 360° rotating images, allowing us to understand all symptoms comprehensively by taking 500 photos per patient (intervals of 30°).
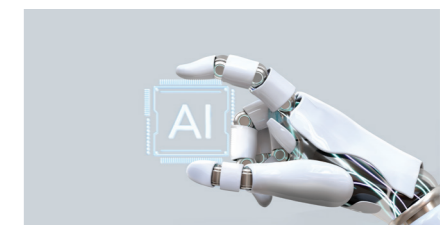
AI Analysis

We use AI to identify the positions of pores and follicles for a detailed analysis. The results of this analysis is used to form the basis of our hairline evaluation system.
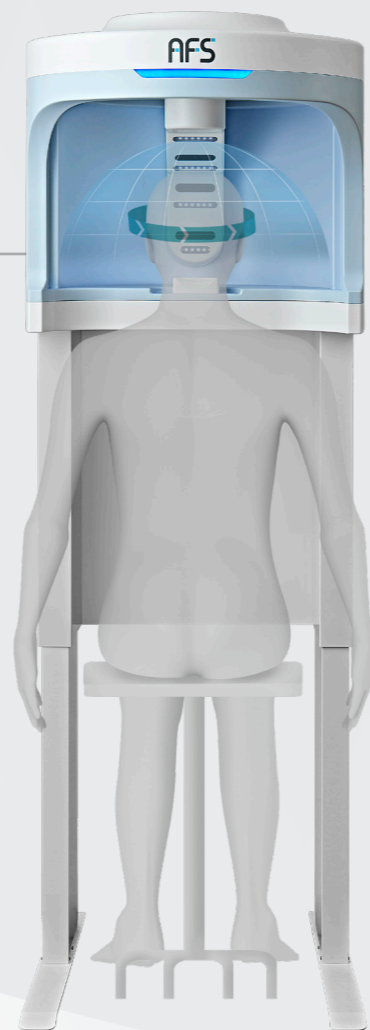
You can watch the promotional video for AFS 3D by scanning the QR code.

Feature 01

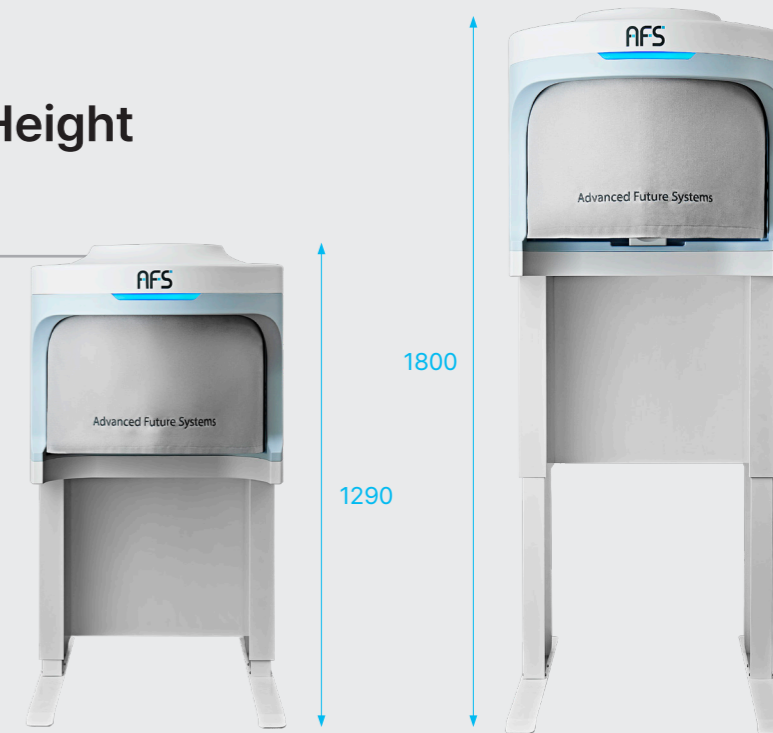# The entire scalp is captured by rotating through 360° Shooting

Four separate cameras will capture the full 360° imagery of your scalp (intervals of 30°).
Upon completion of the shooting session,
48 images will be selected.

Feature 02

Single Touch Automatic Image Capture

After preparing the area to be captured,
simply pressing the capture button located
on the side of the screen will initiate the
automatic capture feature.
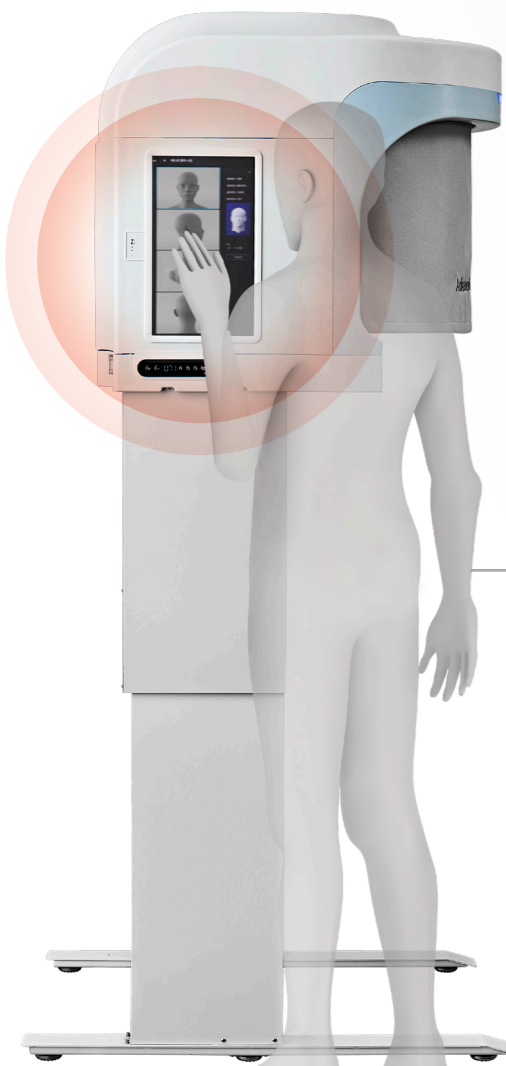
Feature 03

Motion Lift & Electric Height Adjustment

By adjusting the height of the
equipment, it is possible to take
optimal photos tailored to the
individual's height.

1800

1290

Feature 04

Internal Lighting Adjustment

During photo capture, a screen is used to control
the lighting (luminance) variables that may arise
from the external environment. Also, the intensity
of the AFS 3D internal lighting can be adjusted.

Lighting Adjustment (Standby Mode)

You can adjust the lighting during standby mode.
The settings range from a minimum of 8% to a
maximum of 100%. The lighting can be set to suit
the hospital environment.

Lighting Adjustment (Shooting Mode)

The lighting during shooting mode can also be
adjusted. The settings can be adjusted from
a minimum of 50% to a maximum of 100%.

Feature 05

3D Navigation

Using the 3D model located on the right side of the viewer, you can easily find photos that shows the current hair/baldness status of a desired position.

Feature 07

Screen Customization

The preset settings of the screen can be altered. The default setting includes four areas (standard, hairline, parting, and crown), but this can be modified to the desired areas, with a maximum of 16 presets (areas) at once.
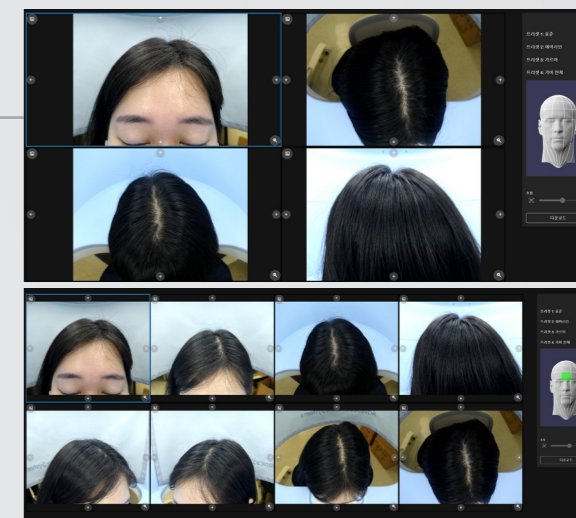
Feature 06

Split View

It stores the video/image information of a patient every time they use AFS 3D. This way, we can use their photos/images to show how their appearance has changed over time before & after the treatment process.

Feature 08

Zoom In / Out

You can use your mouse wheel to zoom in & out with ease.

Feature 09

Auto-Focus

Place the mouse pointer on the area that you wish and right-click to trigger the auto-focus feature.

Feature 10
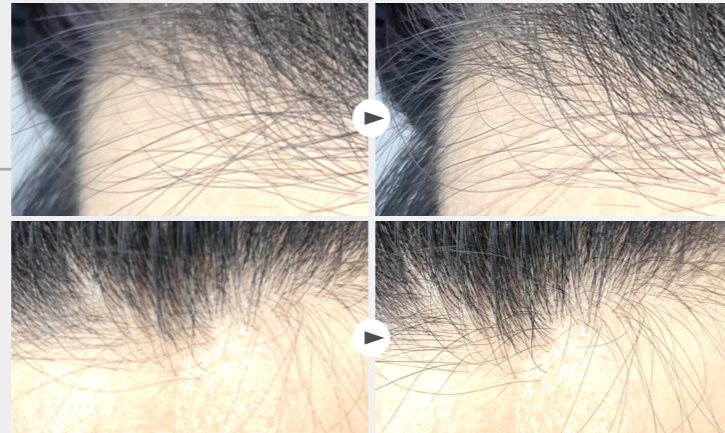
Simple & Straightforward Drawing/Pen

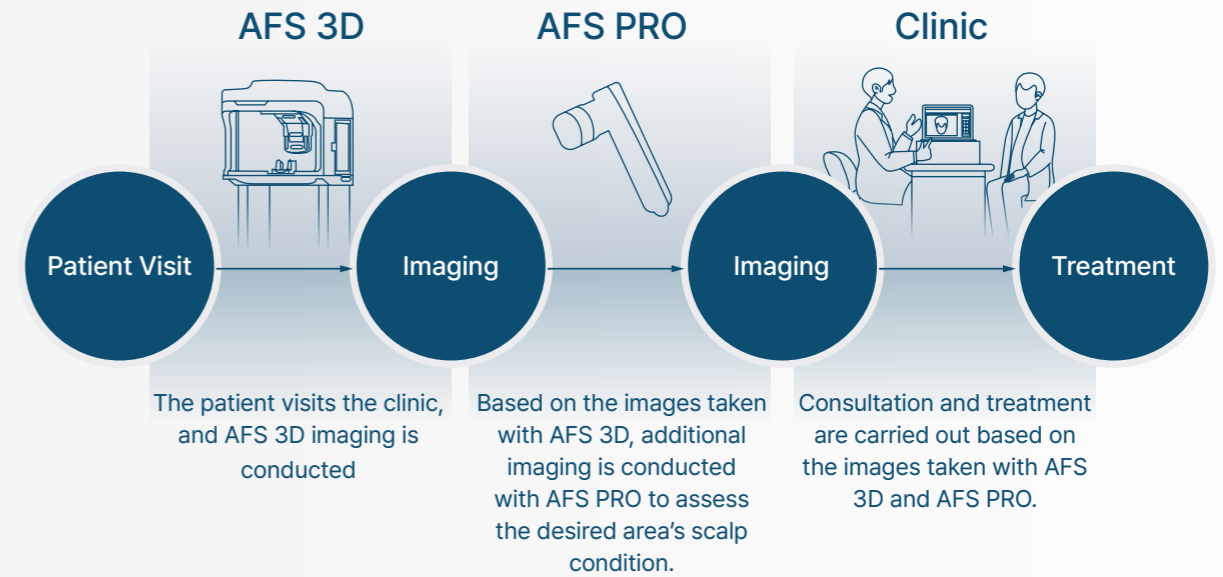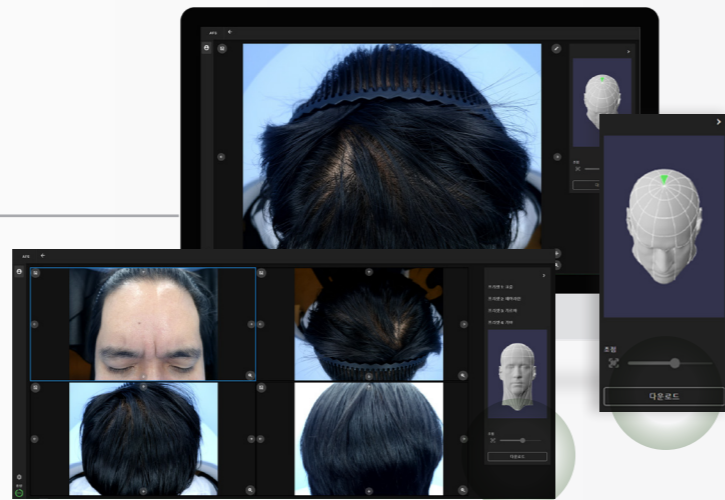AFS 3D provides a simple, easy-to-use on-screen pen for better consulting sessions with your patients.
Realtime explanations can be given during hair transplants, such as changes in the hairline and density shifts in the crown.

Feature 11

Variety of DownloadOptions

Patients' information can be downloaded with a few clicks.
You can easily download an image of the current screen or a set of images for each preset by clicking the 'Download' button located on the right side of the screen.

AFS 3D

The patient visits the clinic, and AFS 3D imaging is conducted

AFS PRO

Based on the images taken with AFS 3D, additional imaging is conducted with AFS PRO to assess the desired area's scalp condition.

Clinic

Consultation and treatment are carried out based on the images taken with AFS 3D and AFS PRO.

Patient Visit → Imaging → Imaging → Treatment

Using AFS PRO integrated with AFS 3D, scalp images are captured, and the captured images undergo AI analysis.

The location of the images captured with AFS PRO can be specified, allowing for an assessment of the scalp condition by area. A comprehensive evaluation of detailed scalp images (AFS PRO) and the overall hair loss situation (AFS 3D) is possible.

Through AI, the density and thickness of hair are evaluated, and the distribution by thickness is analyzed. The AI analysis of AFS 3D boasts a precision of ±3.625μm. This margin of error ensures industry-leading accuracy in analyzing follicle conditions and the stages of hair loss progression, offering results significantly improved compared to traditional diagnostic equipment.

For a Better conversion rate

Inefficient Treatment Methods

Conversion Rates

Same patient/user experience

· Most hospitals do not use actual images/videos of their patients when consulting first-time patients.

· Surgical hospitals conduct photography before and after surgery, while therapeutic hospitals do so after deciding to proceed with treatment.

· There are challenges in universally applying photography to all new patients due to many complexities in the procedure, along with the fact that it requires a lot of time and effort to conduct a photoshoot/imaging session.

Patients' visits → **Consultations** → **Photograph sessions**

Hospital that have introduced AFS 3D

Conversion Rates

Differentiated user experience

Professional, Reliable Process

· Upon the patient's visit, an initial medical questionnaire is completed, followed by a photoshoot using AFS 3D.

· After capturing images from all angles (360°), consultations with the patient take place using the pictures taken with AFS 3D.

· With AFS 3D, you can achieve more precise diagnosis, differentiated processes, and a higher level of expertise, which will lead to a higher level of reliability and trust from your patients!

· By offering a new experience at the hospital, you can enhance the patients' conversion rate.

Patients' visits → **Photoshoot using AFS 3D** → **Consultations**
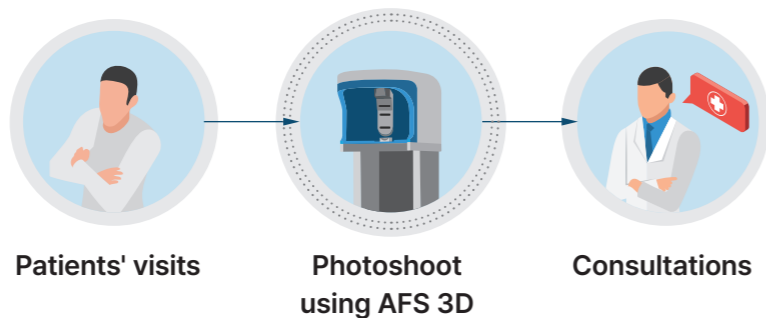
Are you spending too much time and energy taking photos of your patients?

Current method of imaging/photorgraphy

The shooting time is influenced by one's ability (Lack of consistency)

Utilizing professional resources incurs costs

Director of the clinic has to do the photography, it consumes a lot of time

After AFS 3D

One-stop, One-click photoshooting system → Saves time
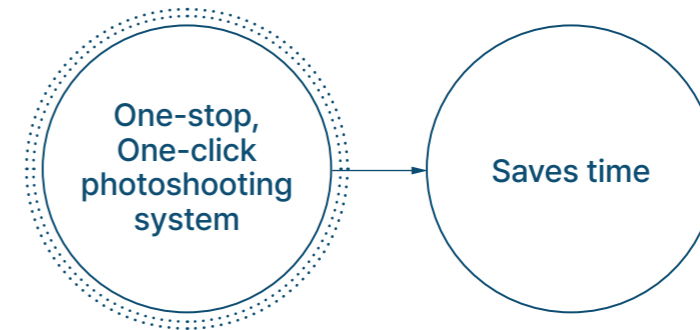
The introduction of AFS 3Dassures the quality of professional-grade photos.

Controls the surrounding environment

360° rotating photoshoot

Captures over 500 photos

Providing optimized photos

AFS

AFS

d Future Systems

Increase your revenue by **saving costs and better marketing**

Saving Costs

Costs are incurred per hour when the hospital director conducts the photoshooting session.

Additional employment costs arise when a dedicated staff member is required to conduct the photoshooting session.

The introduction of AFS 3D can save these costs

Effective Marketing

Be the first one to introduce AFS 3D to your office.

AFS 3D will provide a huge competitive edge over other hospitals.

Increase appeal with the introduction of AFS 3D

Revenue goes UP, costs go DOWN.

Revenue

| | 8,000 | 7,000 | 6,000 | 5,000 | 4,000 | 3,000 | 2,000 | 1,000 | 0 |

1월 2월 3월 4월 5월 6월 7월 8월 9월

Marketing Costs

Unit: 10,000 KRW

| | 500 | 450 | 400 | 350 | 300 | 250 | 200 | 150 | 100 | 0 |

1월 2월 3월 4월 5월 6월 7월 8월 9월
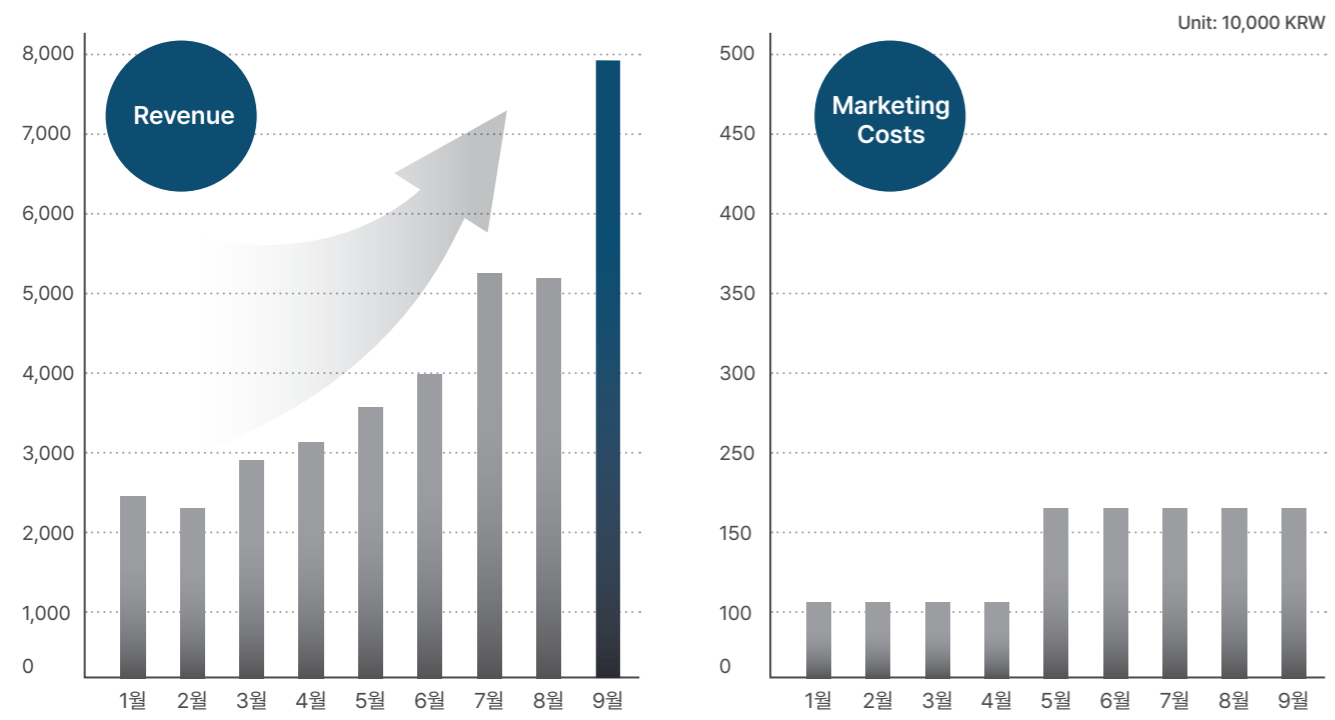
REVIEW
Advanced Future Systems

This was my first experience with a 3D scanning device and I must say, I was thoroughly impressed. They possessed a range of equipment that I haven't found elsewhere, and the clinic director was exceptionally kind.

★★★★★   ООО

I've visit a handful of hospitals and clinics, but OO Clinic was definitely in a league of its own. The equipment, facilities, and overall experience was top-notch. I feel incredibly fortunate to have finally find the right place that perfectly suits my needs.

★★★★★   ООО

A unique clinic! They use 3D scanning devices unlike other places!
Unlike typical overhead photography-based diagnostics, this is a place where you can get to know the condition of your scalp and hair in much greater detail!

★★★★★   ООО

It was my first time experiencing 3D photography. It was quite intriguing and the entire experience felt quite good since I knew I was being examined with cutting-edge equipment. 100% sure that I'm going to make another visit!

★★★★★   ООО

I visited to get a diagnosis for my hair loss… And WOW, I was amazed with the effort that they've put in to their work. They took photos of my hair (scalp, parting, back of the head, etc.) and they even used AI to provide a more detailed analysis. The doctor explained in detail about my current state, and the nurses were also incredibly kind and friendly. I've made my share of visits to many different hospitals in Seoul and Gangnam, but the customer service was surely on another level. Considering that I had to make regular visits to treat my hair loss, I decided to make the payment immediately in advance after my first diagnosis since everything was fantastic. I'll leave another review after making a few more visits.

★★★★★   ООО

I made a visit to the clinic because of my middle-schooler child suffering from hair loss recently, and the director of the clinic provided a very detailed explanation. Right after we checked in, they took us to a room and used a machine that rotated in 360 degrees to take a 3D image of my child's top/frontal hairline. During the consultation session, the director asked detailed questions based on the prewritten notes, and used a mini-sized camera to take shots from four different directions of the scalp - back, front, and each side - to provide a deeper analysis. The overall experience was satisfying and they provided us with clear answers about my child's conditions. I think we've made the right decision to visit this place.

★★★★★   ООО

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