Morpheus3D Plastic Surgery Solution

3D Analysis & Diagnosis Tool for
Plastic Surgeons, Dermatologist, & Aesthetic Specialist

Anatomical Analysis Solution for Your Daily Practice

Morpheus3D Solution for

- Plastic Surgeon
- Dermatologist
- Aesthetic Specialist

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Morpheus3D Plastic Surgery Solution

Provides the most optimized operating workflow solution experience for doctors, staffs, and patients. It delivers complete solution for overall clinical experience starting from visitation to the clinic to post procedure stage.

3D Face Analysis presents patient's current condition during consultation, Design & Analysis enables to plan and visualize the treatment, and then Superimposition provides before and after treatment comparison. Now Morpheus3D Plastic Surgery Solution is just one call away.

3D Face Analysis

State of the art 3D Interactive Analysis and Diagnosis Tool Objectively Demonstrates Patient's Current Status.

The basis for evaluating patients used to be individual's perspective of judgment. Now MPS sets the Standard to objectively analyze and compare patient's face anatomy with these references.
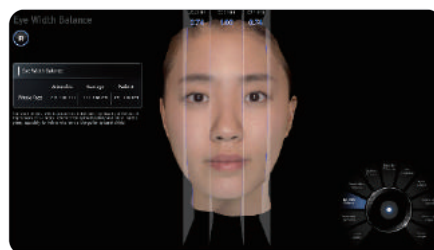
Note: Providing the Attractive and Average data reference is based on our clinical researches with numerous participants face anatomy collected by age, gender and conditions.
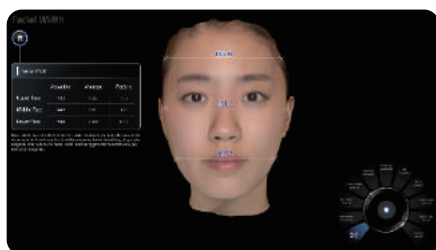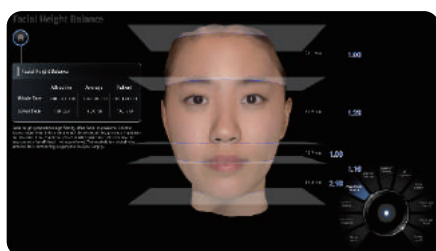

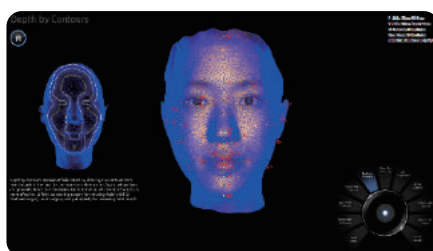Facial Width–width of upper face, mid–face and lower face
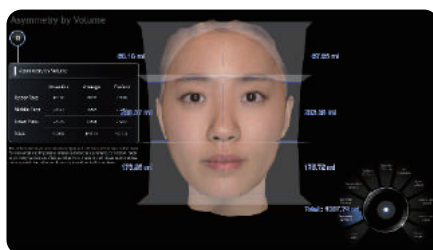
Asymmetry by Volume– Analyze 6 parts of facial volume and total facial volume

Eye Width Balance – Analyze the frontal ratio; Right eye : Intercanthal : Left eye to check the eye width balance

Facial Height Balance – Analyze the frontal ratio; Upper face : Mid–face : Lower face to check the facial height balance
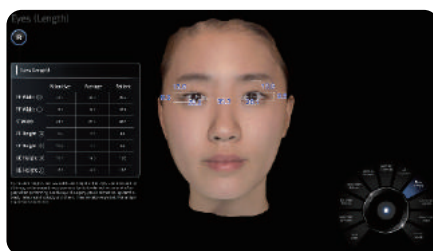

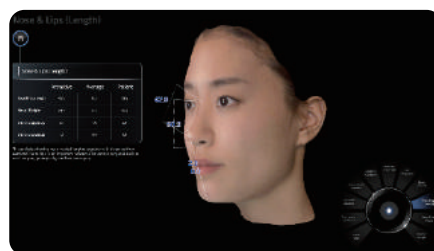Depth by Contours – Analyze the facial contour line and wrinkle pattern
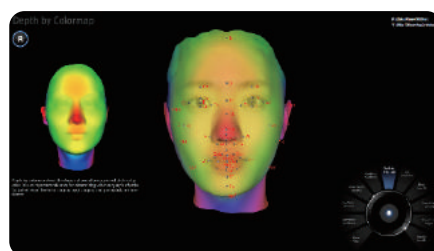
Depth by Colormap – Analyze the facial protrusion degree by color

AP Projection – By measuring the depth of the face according to its landmark
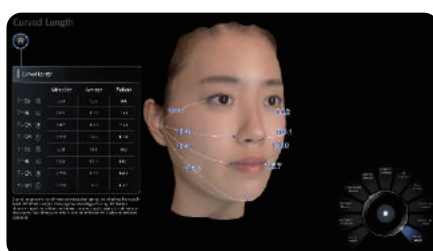

Eyes (Length) – Measurements for eye surgery and related treatments

Nose & Lip (Length) – Determine the ideal length of nose by measuring lateral length of the nose

Nose & Lip (Angle) – Analyze the angle of nose and lip that determine the overall aesthetic line

Curved Length – Analyze the curved length from Tragus to Exocanthion, Alar, Cheilion, Gnathion

Facial Width	Attractive	Average	Patient
Upper Face	118.3	128.7	135.0
Middle Face	144.5	148.1	141.3
Lower Face	119.8	128.2	115.3

Reference Table–Provides patient data to determine objective analysis by comparing with attractive, and average data.

3D Design & Analysis

Plan 3D Design

3D design brings efficient communication between doctors and patients. It enables doctors to visualize the outcome to instantly make presentation while consultation is ongoing and patients gain confidence in making decision by practical observation with realistically planned design.

Rhino plastic using Implant function

Filler injection using NTP/NBL

Superimposition

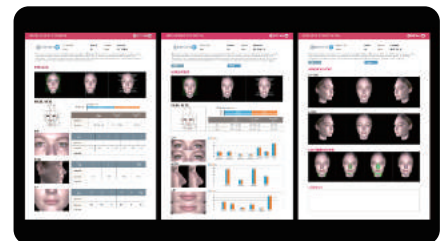## Now you can collect, compare, and visualize clinical data in 3D

Superimposition and Easy Consultation tool offers ground breaking before and after treatment comparison with numerous viewing options through unique and sophisticated algorithm. This precise function can be actively use clinically
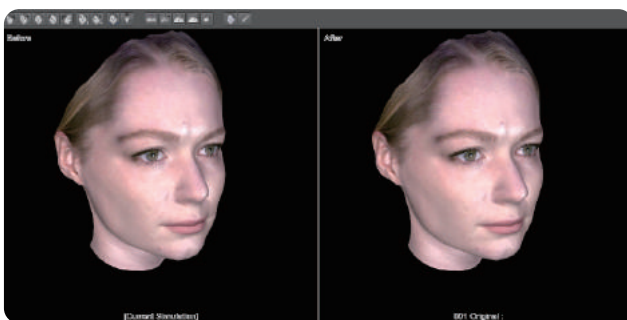

Overlap Comparison

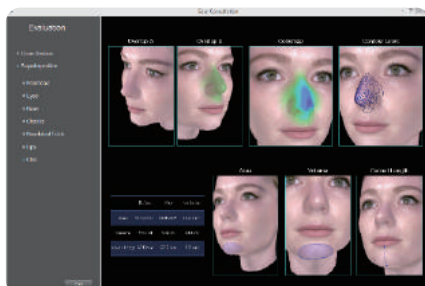Overlap Colormap (Absolute)

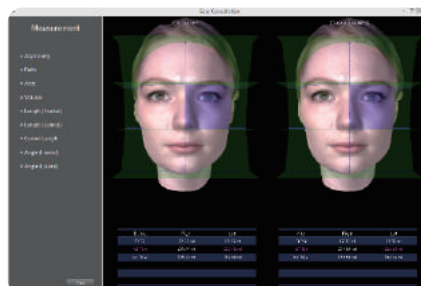Report: Analysis | Evaluation | Comparison

Compare Window [zoom out]

Compare Window [zoom in]
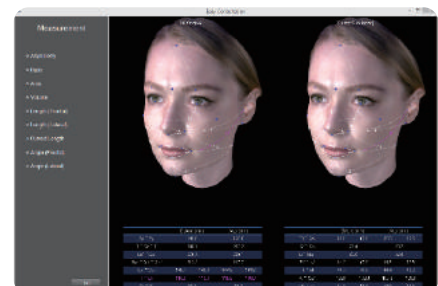

Evaluation Superimposition

Measurement Asymmetry Volume


Measurement Curved Length

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NEW
Validity and Reliability of a Structured-Light 3DScanner and an Ultrasound Imaging System for Measurements of Facial Skin Thickness

Introduction : Validity and reliability of Morpheus3D's scanning system by comparing the ultrasound imaging system versus the direct measurement of facial skin.

Materials and Methods : The facial skin thickness at 19 landmarks was measured using the three different methods in 10 embalmed adult Korean cadavers.

Conclusion : Bland-Altman analysis showed a good level of agreement between the 3 D scanning system and direct measurement (bias=0.49 ± 0.49 mm, mean±SD) which demonstrates that Morpheus3D scanning system precisely reflects structural changes before and after skin dissection.
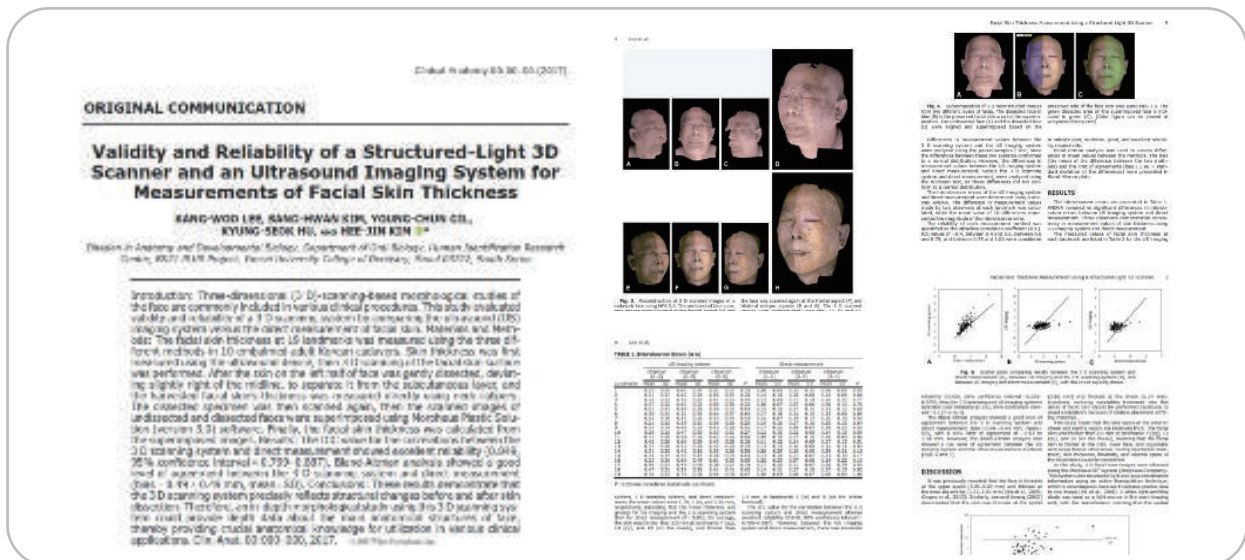
Other Product line
3D CT Surgery Solution

3D Diagnosis & Treatment Planning Solution for Orthognathic and Facial Contouring Surgeons
[Optional Tool Enables More Precise Orthognathic Surgery by integrating 3D Soft Tissue and Hard Tissue or CT/CBCT data]
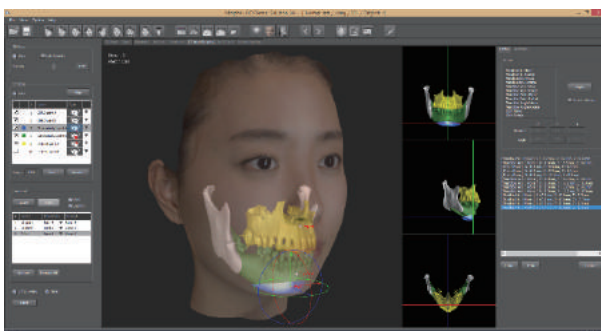
Morpheus3D Neo Scanner
EXTERNAL SPECIFICATION

−DIMENSION:
 H390MM X W140MM X D240MM
−WEIGHT: ABOUT 3KG
SCAN MODULE SPCIFICATION
−SCAN AREA: 225MM X 300MM
−SCAN DISTANCE: ABOUT 650MM
−SCAN TIME: 0.8SEC
−SCAN ACCURACY: 0.1MM
−SCAN TYPE: WHITE STRUCTURED LIGHT

IMAGE MODULE SPECIFICATION

−CAMERA RESOLUTION: 1024 X 768
−TEXTURE: 24BIT TRUE COLOR
−IMAGE TRANSFER INTERFACE: USB 2PORT
−LIGHT SOURCE: POWER WHITE LED
−INPUT POWER: AC 100 ~ 240V 0.6A

PC MINIMUM REQUIREMENTS

−CPU: INTEL CORE I5−2500 3.3GHZ
−RAM: 2GB DDR3 MEMORY
−HDD: 500GB SATA/ 7200 RPM
−GRAPHIC CARD: GEFORCE GT520 D3 1GB PCI−EX
−OS: WINDOWS 7 or higher / 64 bit for CT Viewer