iBODY 3D body scanner introduction

Beeats

BEEATS CO.,LTD.

iBODY 2

digital health care
for point cloud scanner
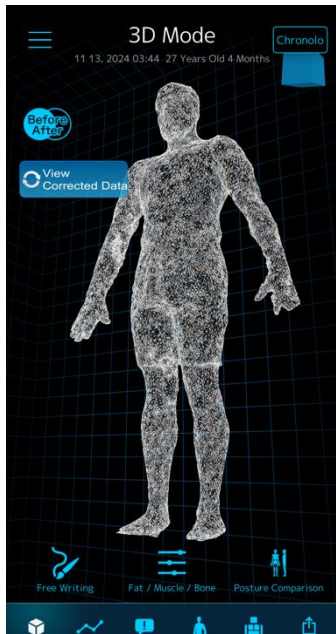
Wellness

iBODY X

digital twin
for high-end scanner

Digital Twin

iBODY 2

Performance of the iBODY2 3D body scanner.

12 cameras acquire 1.5 million point cloud data and generate highly accurate 3D body data.

Infrared sensors provide precise 3D measurements of the body's shape.※

Using AIST.
system

Measure the body
in approx. 0.5 sec

Number of
Measurement
Points:
1.5 million

Visualize the body
in 360 degrees

Using
infra-red rays

Data management
using Cloud

Beeats | © BEEATS CO.

*Data generation time varies depending on the communication environment.

What is the iBODY2 3D body scanner?

AIST

(National Institute of Advanced Industrial Science and Technology).

Using the core system.

High-performance body scanner

Joint IP development/joint research/exclusive right of use ownership

Beeats entered into a business partnership with iBODY JAPAN, a company specializing in 3D body scanner technology, in October 2023.

Measure with scanner ⇒ Integrate with app

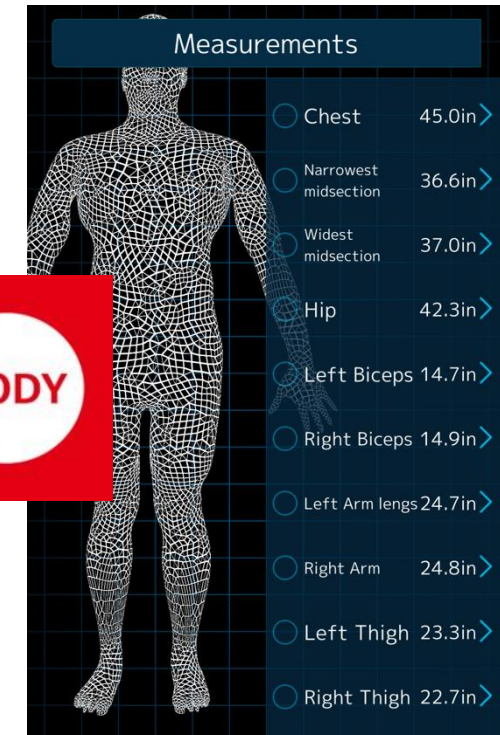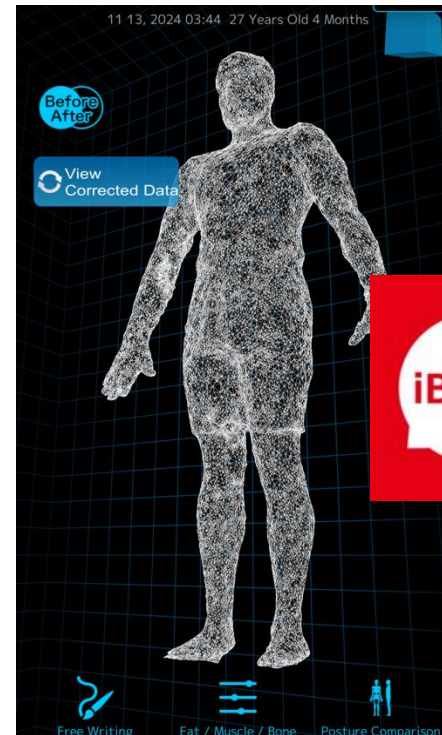**3D measurement of the body shape in point inches=> Check with a dedicated app.**

Data is stored in the cloud and can be easily viewed at any time via a dedicated app on your phone.

01 3D measurement with scanner

02 Check with the dedicated app

only 0.5 sec
to mesure

11 13, 2024 03:44 27 Years Old 4 Months

Before
After

View
Corrected Data

iBODY

Measurements

Chest	45.0in
Narrowest midsection	36.6in
Widest midsection	37.0in
Hip	42.3in
Left Biceps	14.7in
Right Biceps	14.9in
Left Arm lengs	24.7in
Right Arm	24.8in
Left Thigh	23.3in
Right Thigh	22.7in

Free Writing   Fat / Muscle / Bone   Posture Comparison

01. 3D measurement with scanner - preparation.

preparation

measurement

confirmation

① Download the
   dedicated app and
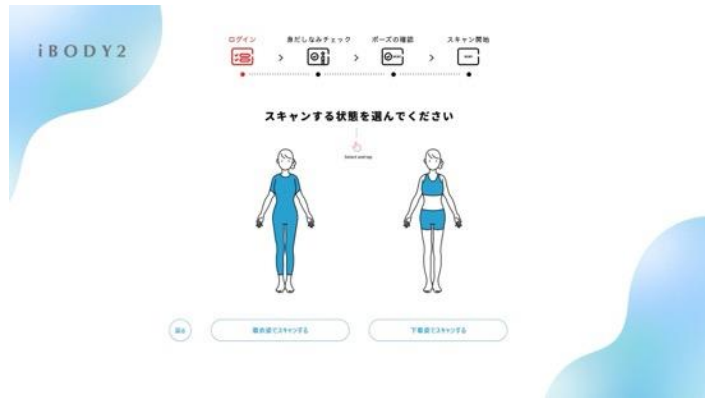   enter the information

   Android/iOS both available

② Enter the scanner
   and operate monitor to
   log in

*For more accurate measurements,
it is recommended to wear underwear
or tight-fitting sportswear during the measurement.

iBODY

01. 3D measurement with scanner – preparation and measurement.

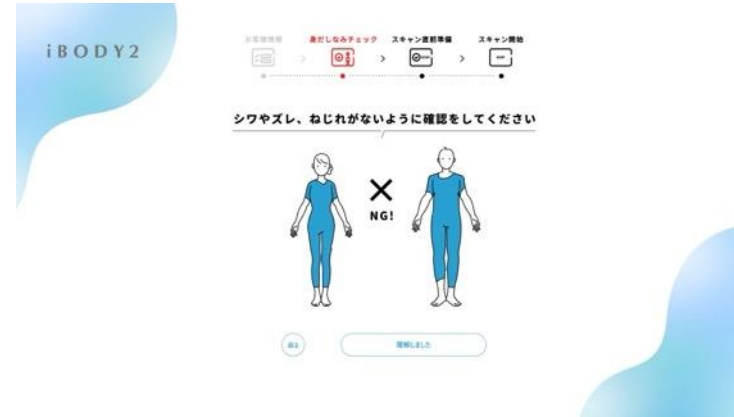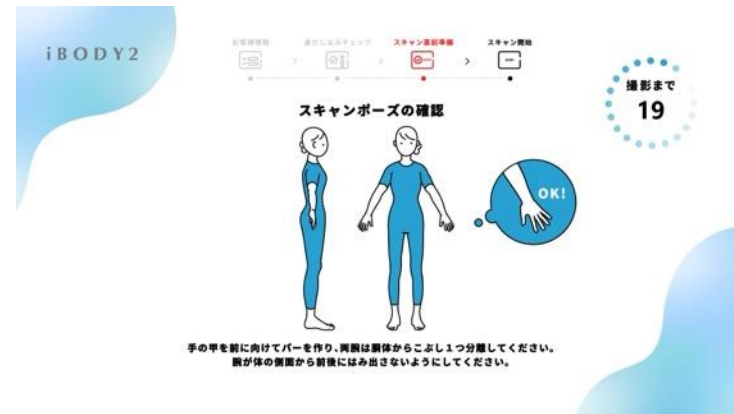**preparation** · **measurement** · **confirmation**

③ Check the outfit (make sure hair is not hanging out / clothes are not wrinkled or misaligned)

Self-measurement is easy by following the instructions on the monitor.

⑤ Shooting

④ Instructions for measurement position and measurement pose.

02. check with the dedicated app
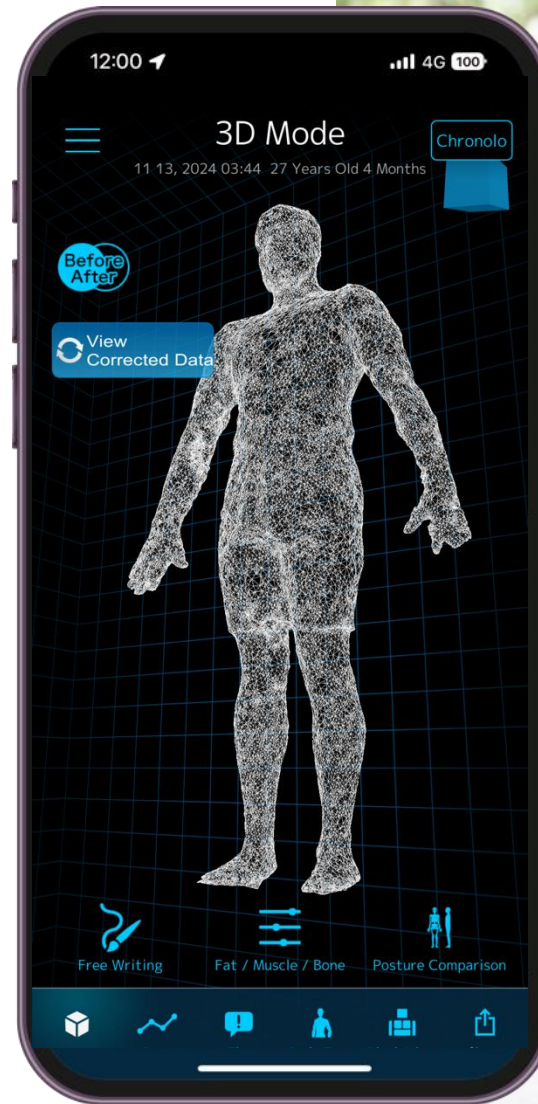
preparation

measurement

confirmation

⑥ Check the application.

iBODY

・3D mode
・Data.
・Posture advice
・Body shape analysis
・Block analysis
… Share.
　(Screen share feature available).

Detailed information
for each item
will be explained
on the following pages.

12:00 　　　　　．ıll 4G 100

3D Mode
11 13, 2024 03:44　27 Years Old 4 Months

Chronolo

Before
After

View
Corrected Data

Free Writing　　Fat / Muscle / Bone　Posture Comparison

9

*We are constantly updating the scanner and app specifications,
Services are subject to change without notice.

360-degree body shape view   **Fat condition**   **Muscle condition.**   **Skeletal condition**
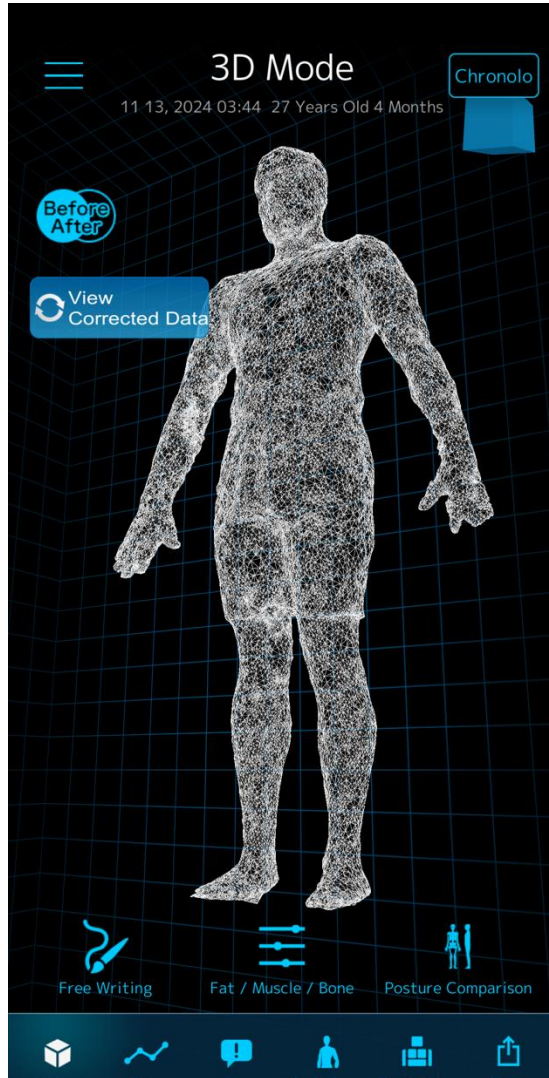
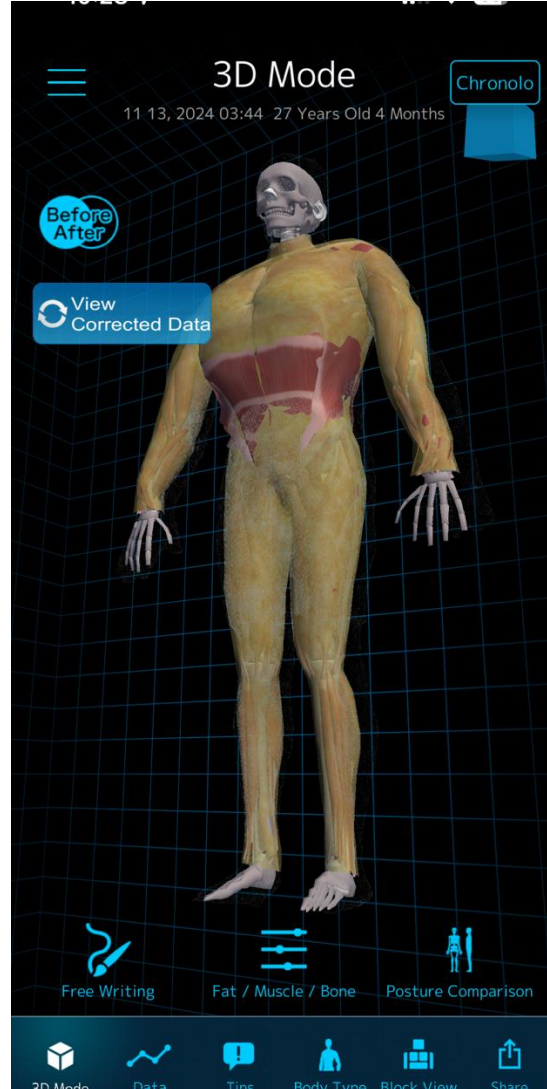Beeats | © BEEATS CO.

*We are constantly updating the scanner and app specifications,
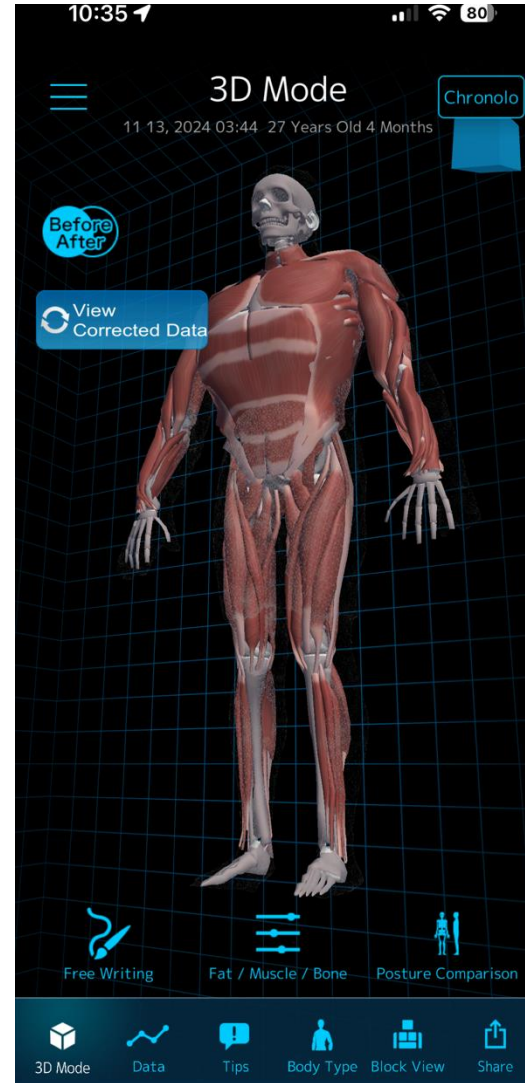Services are subject to change without notice.

Measurement values of each body part

[List of measurement points]

Chest
Midsection (Narrowest)
Midsection(Widest)
Hips
Upper Biceos (Right)
Upper Biceos (Left)
Arm (Right)
Arm (Left)
Thigh (Right)
Thigh (Left)
Calf (Right)
Calf (Left)
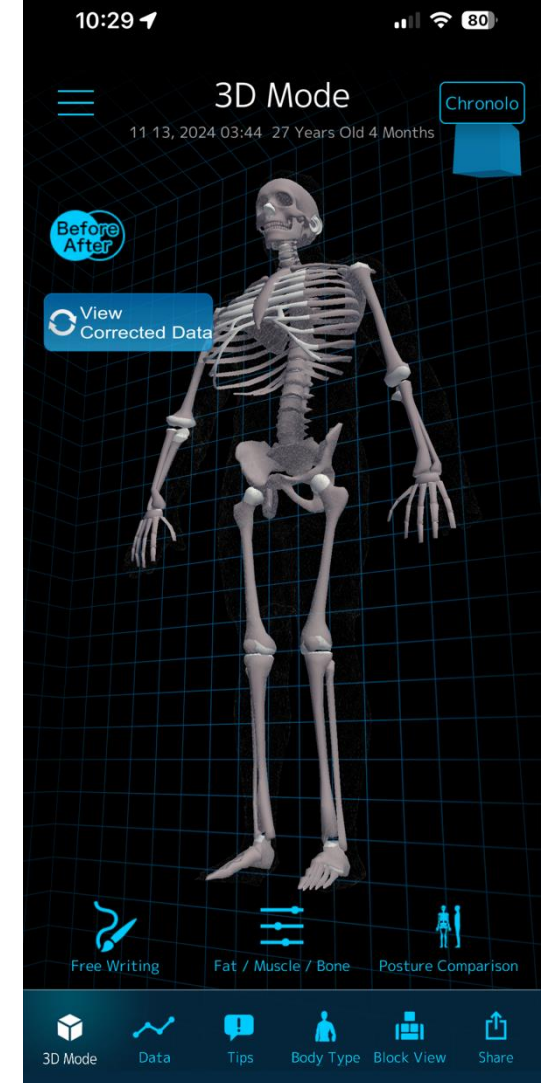
[Comparative verification]

If multiple measurements are taken,
you can also compare and verify with past measurement data.

Comparison with past data

Visualize the difference from the ideal body shape

Provides appropriate recommendations tailored to the individual's body alignment.

By measuring body data, we visualize imbalances that you may not be aware of and provide personalized advice to improve your body's condition.

preparation

measurement

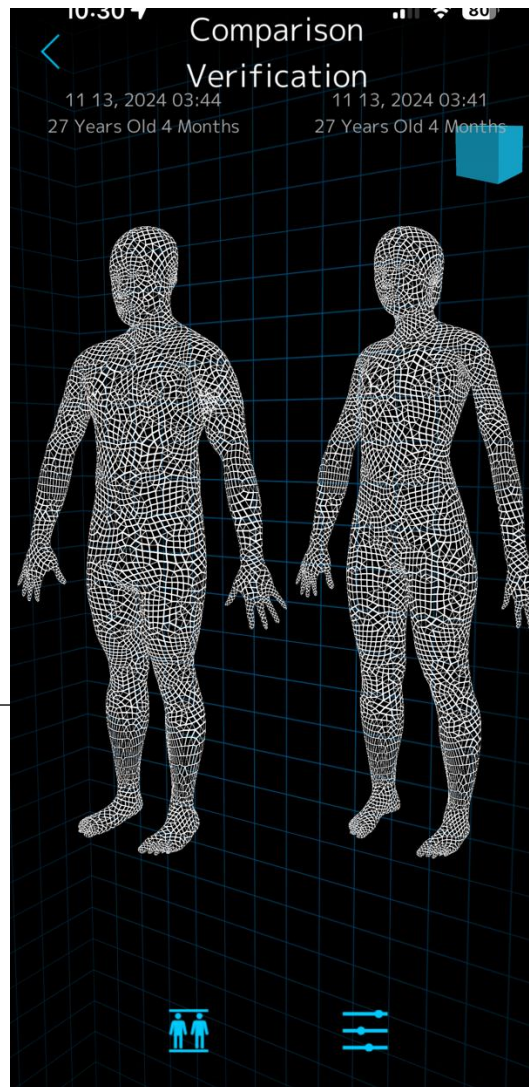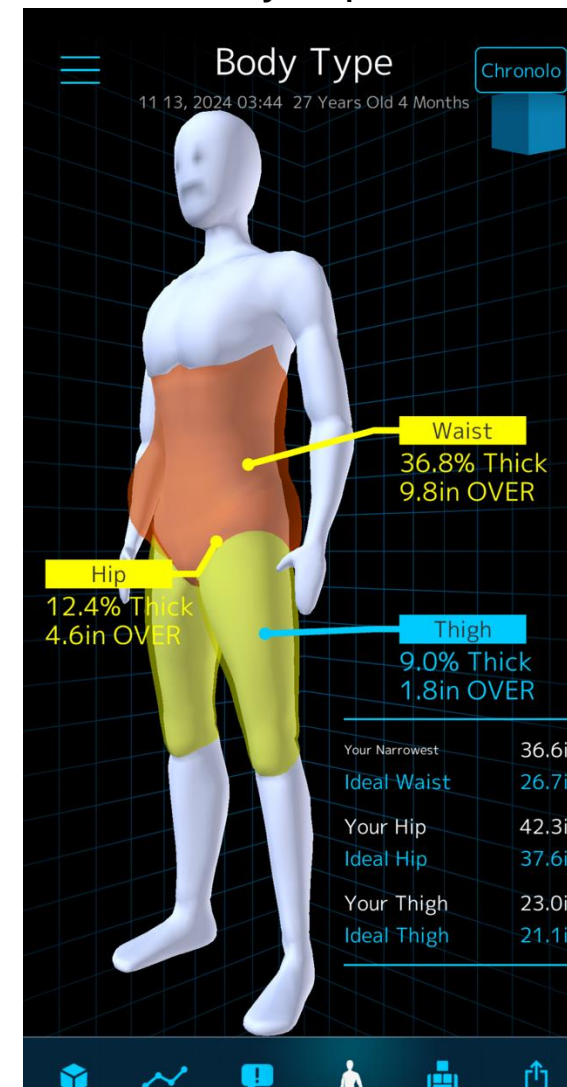confirmation

Measurement and diagnosis	confirmation	advice
Diagnose posture (misalignment) based on body data.	Check your posture (misalignment) status using the phone app.	Suggest corrective exercises based on your posture (misalignment) status.
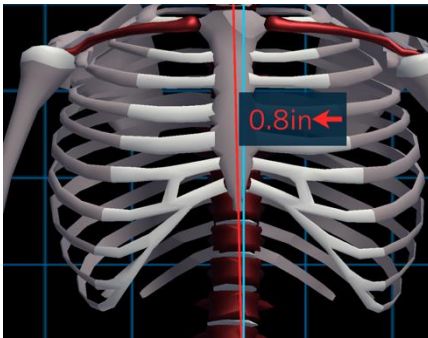
0.8in ←

Your body is leaning to the right. It is tilted 0.8 in to the right of the body's center of gravity axis.

Knock Knees (X-shaped Legs)

This is for reference only; for details, please consult a specialist such as a physical therapist or an orthopedic practitioner.

Recommended Exercise
●Hip Abduction Exercise

Beeats | © BEEATS CO.

*Posture (misalignment) diagnosis based on body data and exercise advice tailored to the diagnosis are supervised by experts. (See p. 8)

02. check with the dedicated app
③ Posture diagnosis (detailed)

Posture advice (list view)
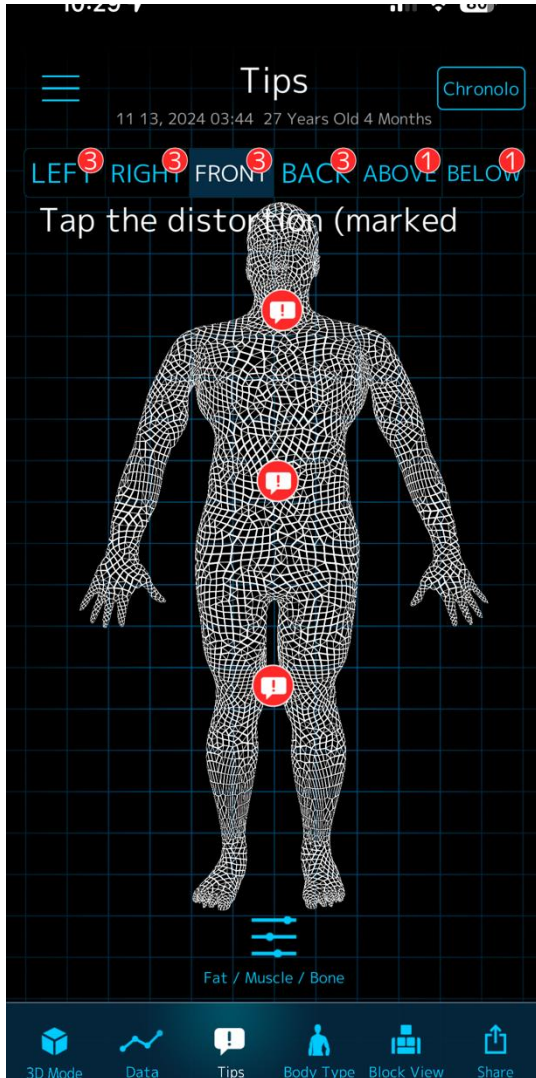
Posture advice (by body part)

On the list screen, selecting the speech bubble icon will display the details of misalignment for each body part.

Visualize body misalignment with blocks.

13

Supervising experts.

Fitness supervision

Tomoko Iwai.

Director, Club Business Japan Co.
Editor-in-chief, Monthly Next
Director, iBODY JAPAN Ltd.
The international organisation of the wellness industry.
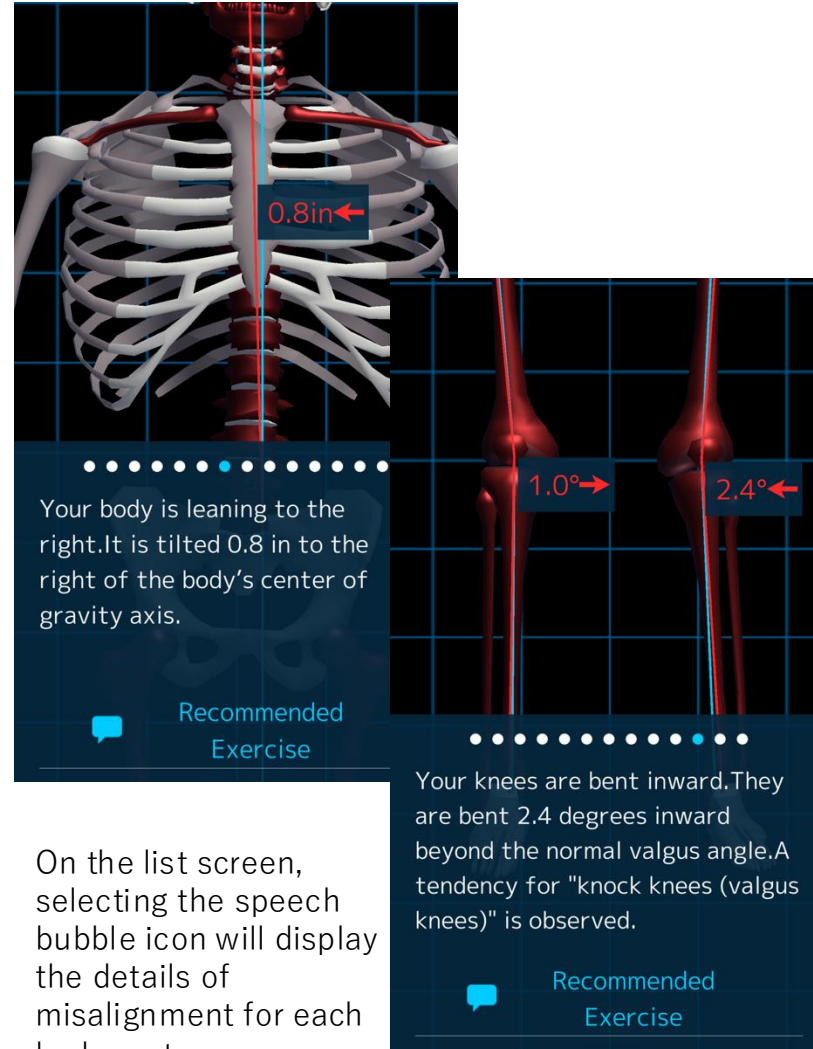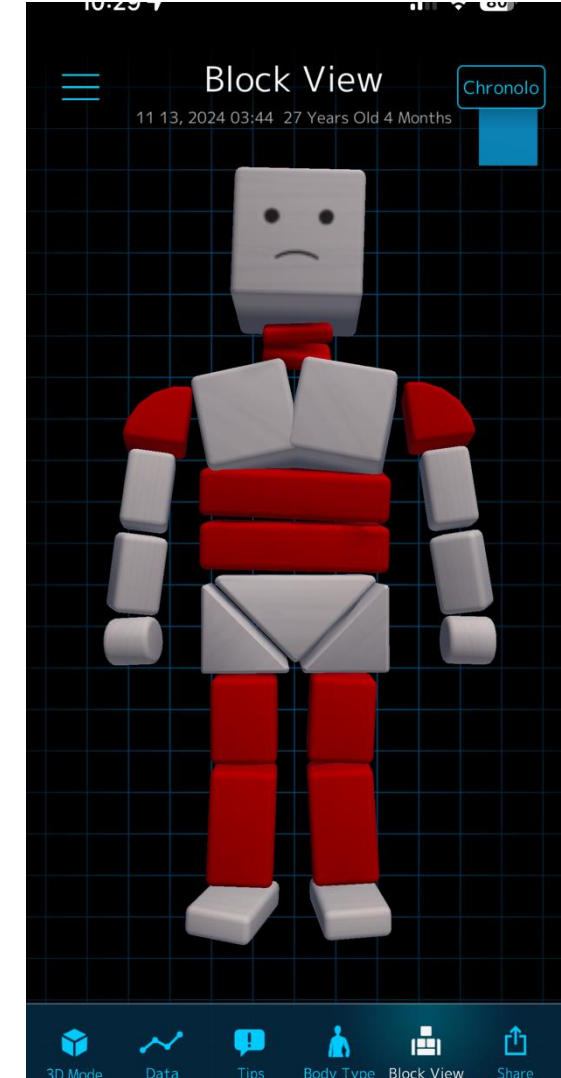Global Wellness Institute 2023-2024 Ambassadors.

Founded Club Business Japan Co., Ltd. in May 2002, growing web businesses such as the online shop "Fitness Market" and the job site "Fitness Job."Launched the monthly magazine "Next" in 2006 and led business development based on instructor and international networks.Appointed Director of the Japan Fitness Association in 2016.

Health care supervision

Dr Shoutarou Michishita

Neurosurgeon / Certified Environmental and Aerospace Medicine Physician /.
medical stylist
Graduated from Jikei University School of Medicine in 2015, joining its Department of Neurosurgery and earning certification in Aerospace and Environmental Medicine.Founded Re·habilitation Co., Ltd. in 2020 to support enriching lives despite challenges and launched clinics like Afrode Clinic.In 2022, established Medical Wellness Partners and transitioned to addressing healthcare challenges through innovative clinics and projects.Studied abroad at institutions like Harvard and National Taiwan University, gaining extensive international experience.

Posture verification logic supervision

Director Ansho Mizuno

Representative of S-BODY JAPAN

Born in 1972 in Kyoto.Graduated from Murdoch University, Australia, with a Bachelor's degree in Health Science, and earned a Master's degree in Chiropractic Science from Hanseo University, South Korea.Serves as Representative Director of the Japan S-BODY Association and supervises AFRODE CLINIC. Author of "15-Second Stretch That Works for You" (published by Mynavi).Provides chiropractic care meeting international standards, earning high praise from professional athletes worldwide. Operates S-BODY JAPAN, achieving over 10,000 annual treatments domestically.

*We are constantly updating the scanner and app specifications, Services are subject to change without notice.

01

Can obtain body data

You can experience a new way of seeing and owning a 360-degree 3D version of your own body data.

02

Increase motivation

By continuously measuring your body data, you can compare it with past data to see changes, which boosts motivation.

03

Postural improvement recommendation

You can identify distortion issues that you were previously unaware of and receive personalized suggestions for improvement.

Beeats | © BEEATS CO.

nishikawa

Nishikawa, Nihonbashi

By 3D body scanner.
Developing a bedding
selection service

[Reference material] Nipponbashi Nishikawa's initiatives.

nishikawa

"Futon no Nishikawa"a renowned Japanese bedding manufacturer founded in 1566, provides comfortable bedding based on scientific research. Utilizing the iBODY2 system, the company offers services tailored to provide bedding suited to individual customer needs."

Install a scanner in the shop

When scanned, the difference between the back and head is displayed.
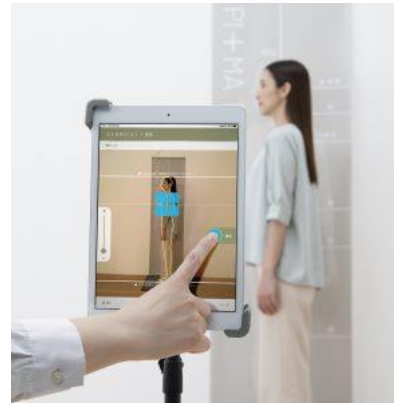
Check the body contours, pillow height, and mattress firmness guidelines.

A recommended pillow is suggested.

Website   https://www.airsleep.jp/ohtani/

Brand ambassador Shohei Ohtani experiences the scanner
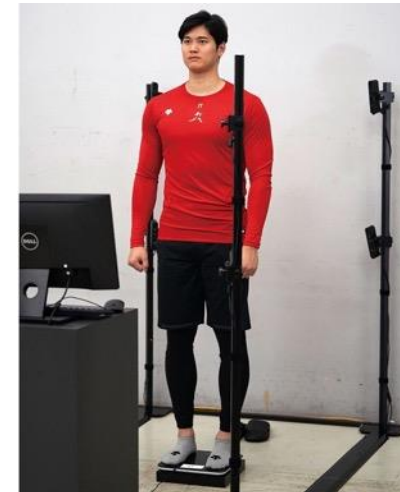
The Process of recommending bedding at Nishikawa

Integrate measurement data with the bedding manufacturer's service.

personalized bedding will be recommended.
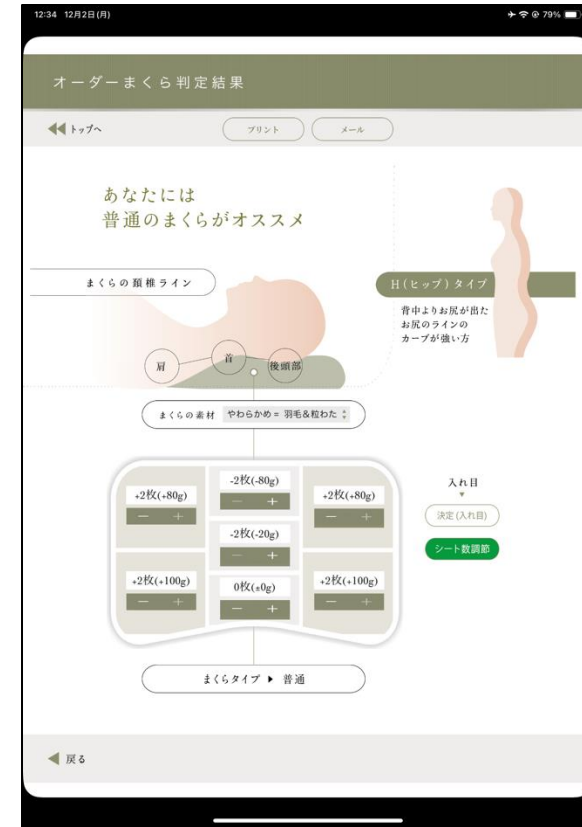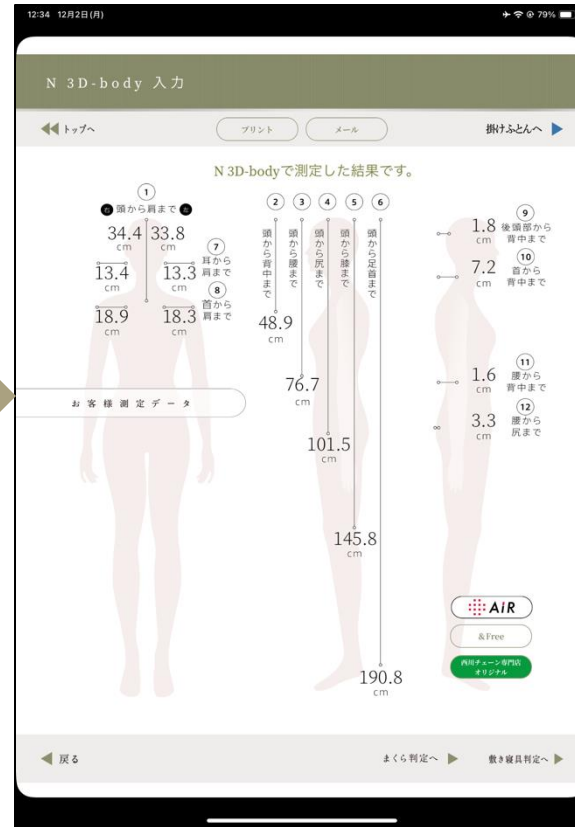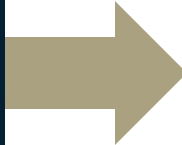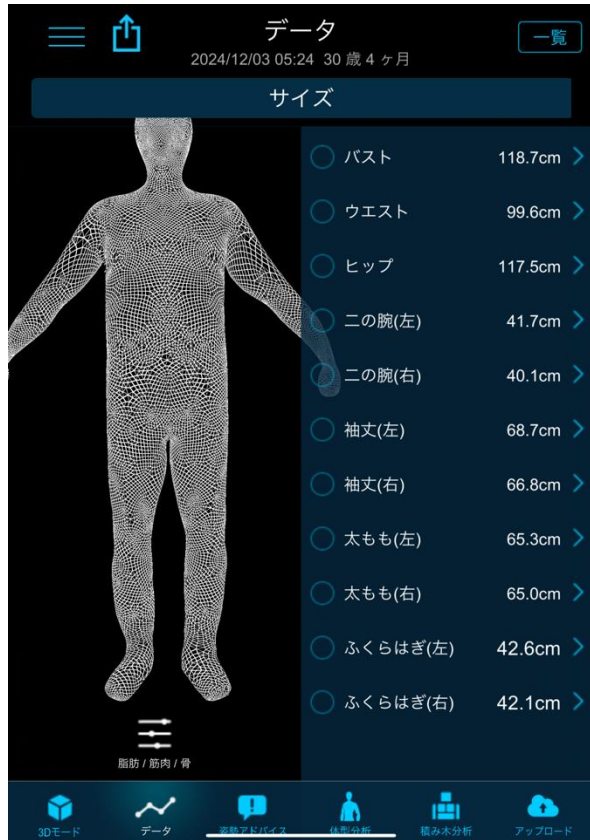
iBODY2 3D body scanner size and design support

78.74 inch
(2,000 mm)

53.15 inch
(1,350 mm)

63.07 inch
(1,602 mm)
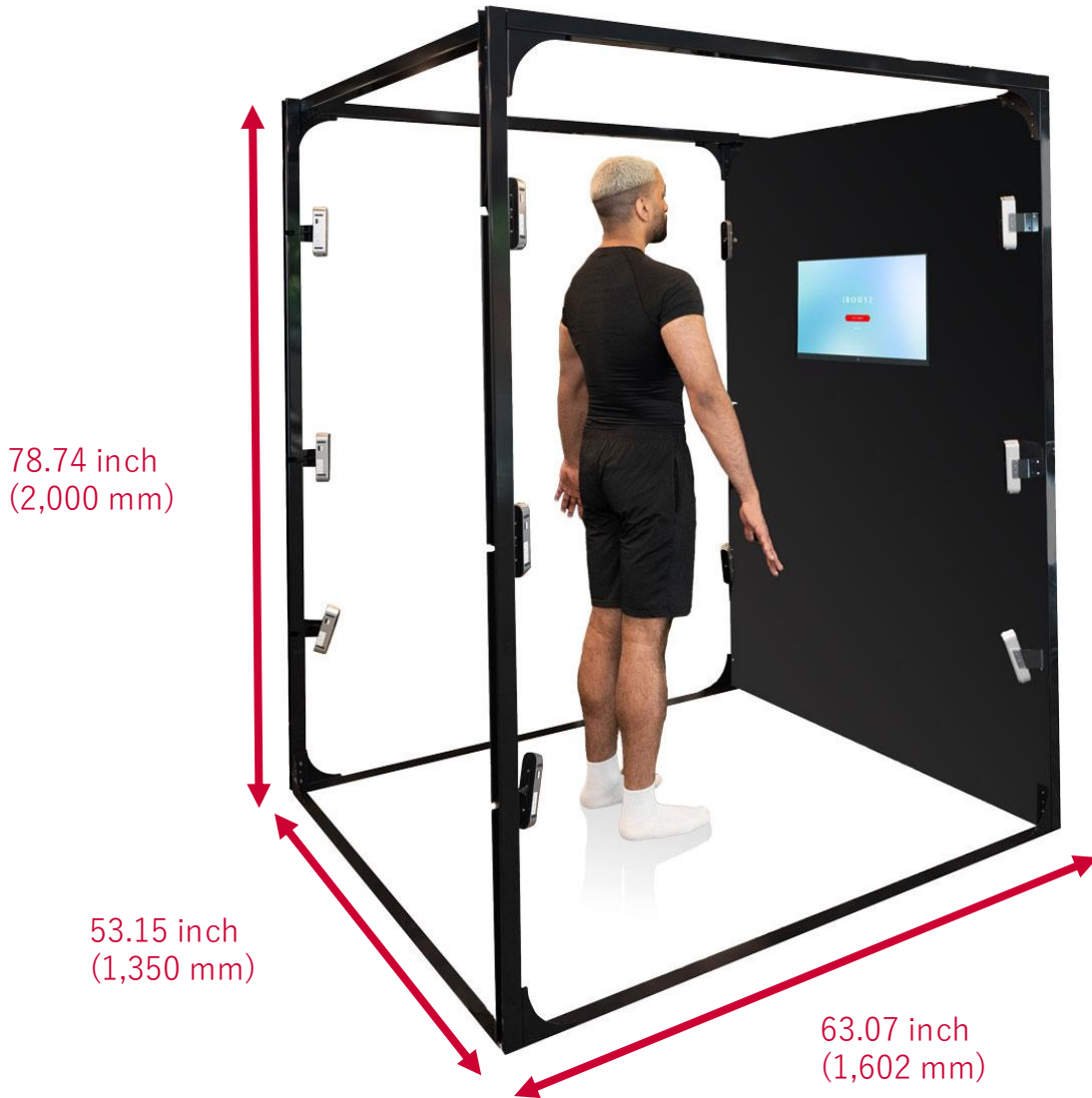
**Space-saving and deployable.
Simple frame x wall specification.
We can
reduce costs + speed up construction.**

Customized designs can also be implemented based on your requests.

Beeats | © BEEATS CO.

iBODY2 specifications.

■ Product overview.

Product name	iBODY 2
Main applications	The human body shape captured by 1.5 million point cloud data can be used for body data analysis in fitness, bodywork, massage, sports, medicine and other healthcare fields in general.

■ Technical specifications.

|	
Dimensions/weight	W57.2 x D59.84 x H78.78 (inch) W1453 x D1774 x H2001 (mm) 264.55 lbs (120 kg) (undecorated enclosure only)
power supply	AC100-200V 1000W or less *100 V and 200 V systems must be switched using the voltage selector.
Body measurement accuracy	Reference value: ±0.08 inch (±2 mm)
resolution (e.g. display, dpi)	iBODY2 / max 640 x 480 @30fps iBODY2.5 / up to 1920 x 1080@30fps
technology	Infrared Sensor
Corresponding range of body types	Diameter 31.5 inch (800mm) or less, height 70.87 inch (1,800mm) or less recommended
Recommended network environment	Internet connection environment Dedicated LAN port for scanner connection required A dedicated Wi-Fi router (standard accessory) is used between the scanner and the PC; it uses the 5 GHz band. USB 3.0 required
Shooting speed	Approx. 0.5 sec.
3D data generation speed	Approx. 30 seconds.
installation environment	Environment without sunlight, lighting or other strong light (Normal indoor light is recommended)

■ Software/compatibility

Included software	scanning software Calibration software
viewer	iBODY App.
Recommended PC specification	CPU: Intel(R) Core(TM) i7-12700 processor (12 cores / 8 P-cores / 4 E-cores / 20 threads / up to 4.90 GHz at TB / 25MB) Memory: 32GB memory [16GB x 2 (DDR5-4800) / Dual channel] * DDR5-5600 operation when Core i7 (14th generation) or i9 (14th generation) is installed. SSD: 1TB NVMe SSD (M.2 PCIe Gen4 x4 connection) Graphics: Intel UHD Graphics 770 *Novidia deprecated Wireless LAN: Wi-Fi 6E (max. 2.4 Gbps) compliant with IEEE 802.11 ax/ac/a/b/g/n + built-in Bluetooth 5
Supported OS	Windows 10 64bit or later
Supported data formats	obj/fbx

Maintenance/warranty

Maintenance requirements	Need to adjust camera focus etc. using calibration software. (Takes about 5 minutes).
Warranty information	Warranty for one year after installation (does not cover consumables or customer-induced faults or problems).

■ Other.

price structure	Bulk purchase plans/monthly subscription plans
Enclosure design and construction	special order (goods)

iBODY X

Generate life-size, high-definition full-color 3D human digital twin with 96 cameras.

Enables natural and unrestricted movement.

Contribution to the sustainability of fashion -1

Scan body data

Send body data to designers and factories
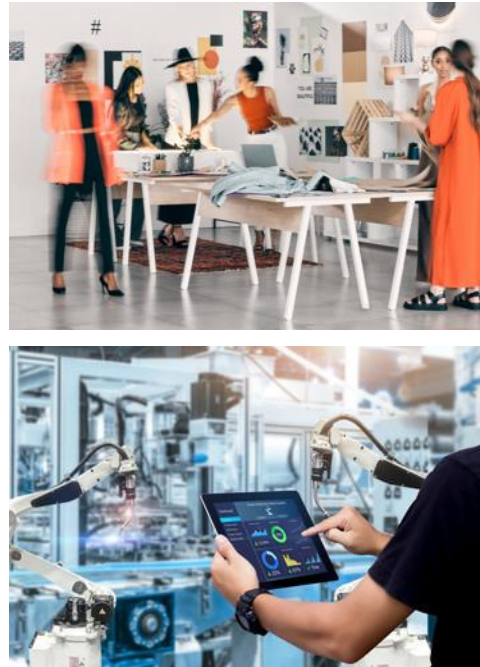
Perfectly sized clothing is produced.

Reducing fashion waste by creating "Self-Comfy" personalized clothing using body data.

Produce digital twin

Self-comfy size digital fashion

The digital twin wears the clothing for promotion

Achieving ultimate traceability in manufacturing.
Accelerating sustainability in the fashion industry through the use of body scanners.

iBODY plans to partner with GVO, a DX service provider for the apparel industry
GVO is taking steps to transform the supply chain with the apparel industry

What is the Prock DX platform for apparel...

On a single platform, you can request the production of 3D digital samples of planned products, manage progress, receive and send completed data, and
It's a one-stop apparel DX platformOne-stop apparel including revision requests.

DIGITAL SAMPLE.

01

Obtain feedback without producing

Digital samples are posted on SNS/EC platforms, and production decisions are made based on the response. This smoothens decision-making for test releases, order production, and additional production, while also improving inventory challenges.agement.

DIGITAL FABRIC.

02

More realistic and faster enabling production

Data affecting the silhouette (calculated based on physical properties such as weight and thickness) and texture data (images representing color, reflectance, etc.) are combined to digitally reproduce the fabric.

Linked to DIGITAL FABRIC data of textile trading companies.

Number of DIGITAL FABRIC data

5,000 Type.
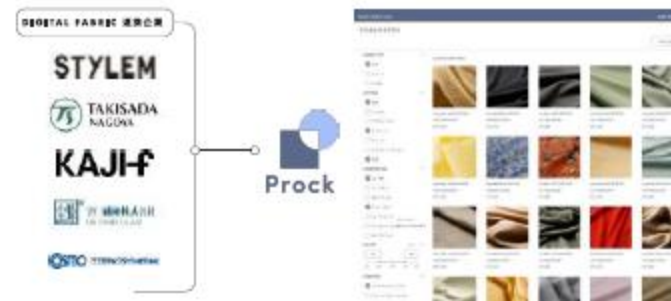
DIGITAL CREATIVE

03

New Creative. and acquisition of sales channels

Create a new world view that adds value as a brand,and establish new monetization points through intellectual property (IP)

STYLEM

TAKISADA NAGOYA

KAJI-f

Prock

Actually used by popular Japanese brands/select shops
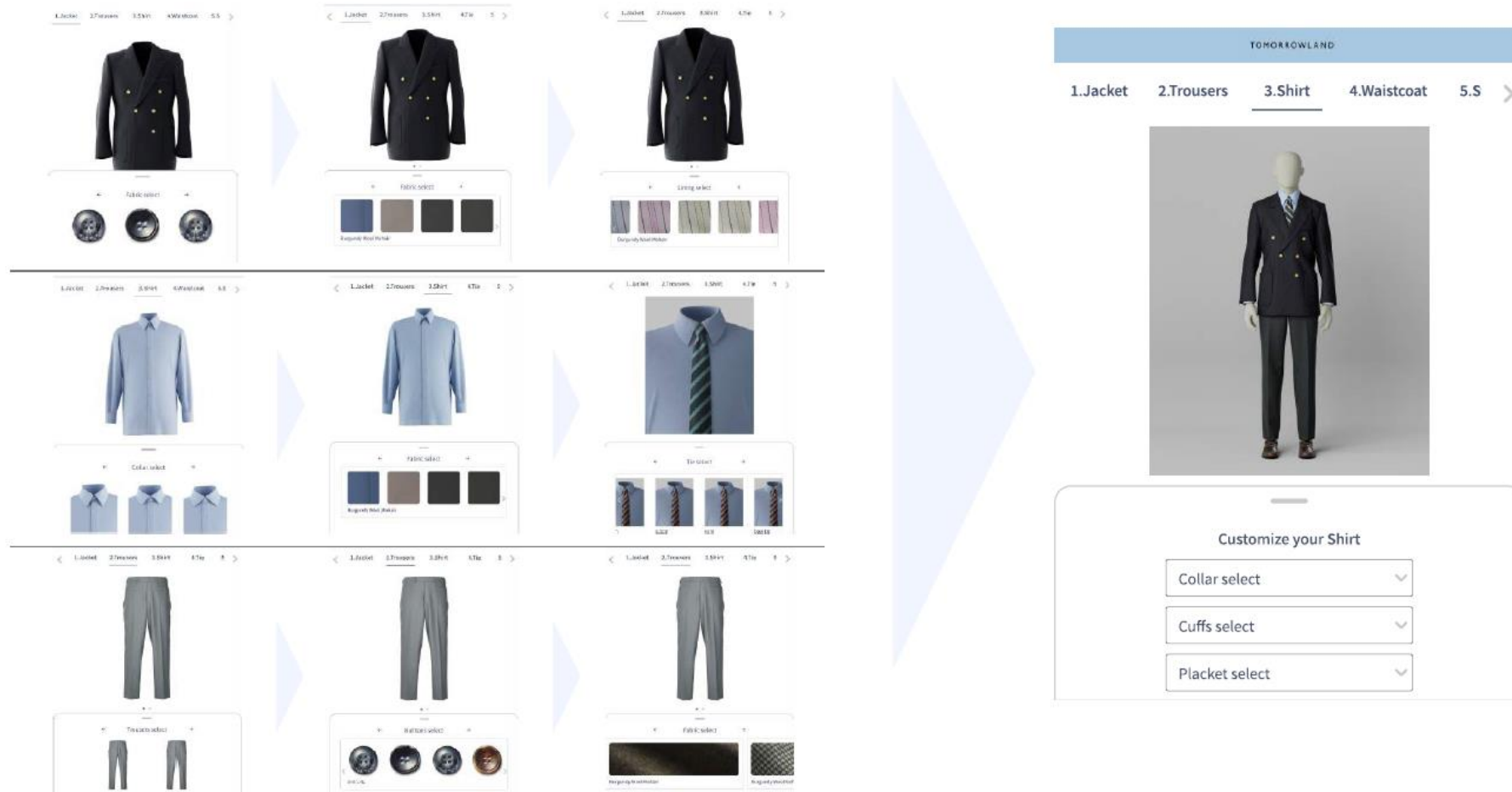
GOOD VIBES ONLY inc. results
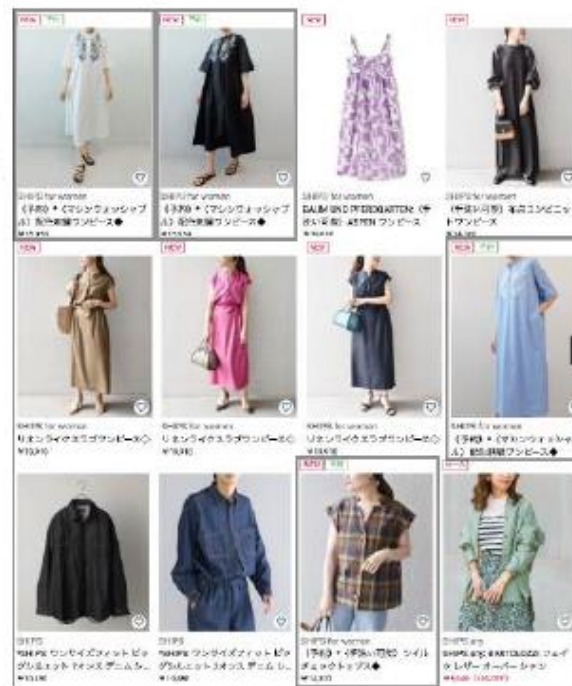
By creating CGI for SNS posts and e-commerce images, we obtained customer feedback without producing physical samples and received orders through the e-commerce site.site.

Launch as exclusive items on the e-commerce site. Production decisions are made based on the response after the listing.

Decision-making for test releases, made-to-order production, and additional production becomes smoother, improving inventory challenges.

Potential for digital twin deployment.

Lifelog data retention

Data at age 9 years   Data at age 23.

By writing and storing digital twins on tokens over several years, it becomes possible to hold tamper-proof life log data.

In the game and metaverse space.

Instead of avatars or characters, digital twin can exist in metaverse and game spaces.

Idols, etc.
Marketed as NFT tokens with rights to manufacture goods

iBODY X specifications

■ Product overview.

Product name	iBODY X
Main applications	Creating a human digital twin and using 3D data for clothing and other business and entertainment.

■ Technical specifications.

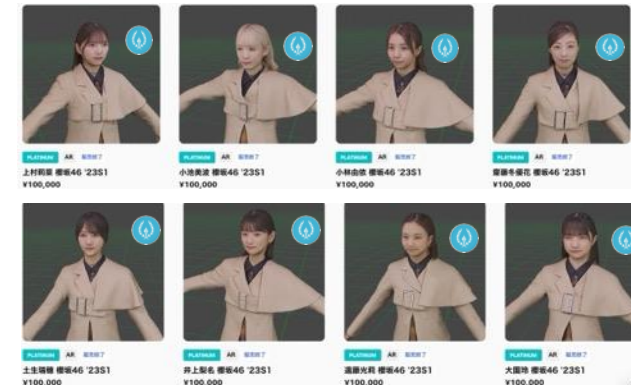|	
Dimensions.	Min W84.94 x D84.94 x H86.37 inch Max W132.48 x D132.48 x H86.37 inch Min W2157 x D2157 x H2194 (mm) Max W3364 x D3364 x H2194 (mm)
power supply	AC100-200V 1000W or less *100 V and 200 V systems must be switched using the voltage selector.
Body measurement accuracy	Reference value: ±0.04 inch (±1 mm) **Varies according to conditions and other factors**.
resolution (e.g. display, dpi)	Camera resolution 16 Mpix. Texture resolution: 2k (Preview mode), 8k (Normal and HiQuality modes).
technology	photogrammetry
Corresponding range of body types	Scanner diameter at 98.43inch (2.5 m): diameter 35.43inch (900 mm) or less, height 78.74 inch (2,000 mm) or less recommended Varies depending on scanner diameter
Recommended network environment	Internet connection environment Dedicated LAN port for scanner connection required A dedicated Wi-Fi router (standard accessory) is used between the scanner and the PC; it uses the 5 GHz band.
Scanning speed	Within 0.5 seconds (when using a projector)
generation speed	Preview mode ≈ 3 min. Normal mode ≈ 5 min. *Depends on the PC environment. Our evaluation environment PC Core i9-13900KF / 32GB memory / GeForce RTX 4070 12GB
installation environment	Environment without sunlight, lighting or other strong light. Illuminance of 350 Lux or less recommended. *Avoid use in pitch-dark environments. *Be sure to perform a test scan before use to check that the pattern projects cleanly.

■ Software/compatibility

Included software	FacTrans App Fullbody. *This system uses Reality Capture and requires the customer to obtain an EPIC Games account. *A subscription licence (paid) is required depending on the annual revenue of your business.
viewer	iBODY App (planned)
Recommended PC specification	OS: Windows 10 (64 bit) or later. CPU: Intel Core i7 (8th generation or later) or AMD Ryzen 7 or higher Memory: 32 GB or more GPU: NVIDIA GeForce GTX 1080 / RTX 2060 or higher Storage: SSD 500 GB free space or more (NVMe SSD recommended)
Supported OS	Windows 10 or later
Supported data formats	obj/ply/stl/fbx/3mf/glb etc.

Maintenance/warranty

Maintenance requirements	Calibration required when changing camera position or relocating the scanner. (Takes about 5 minutes).
Warranty information	One year warranty after installation Failures and problems caused by the customer are not covered.

■ Other.

price structure	Bulk purchase plans/monthly subscription plans
Enclosure design and construction	special order (goods)

Appendix

3D body scanner deployment roadmap

Wellness

iBODY 2 (already launched)

iBODY 2.5 (to be available in early 2013)

FY24	FY25.	FY26.

Digital Twin

Development in conjunction with iBODY2

iBODY X

① **apparel（clothing）**

② **life-log**

③ **metaverse game development**

④ **Courtesy of the NFT**

Body scanner line-up list

Wellness

Digital Twin

	iBODY 2	iBODY 2.5	iBODY X
	Digital health care. point cloud scanner	Digital health care. high-end scanner	For the digital twin. high-end scanner
Acquisition data format	point cloud data	Photogrammetry data	Photogrammetry data
Display format	Point cloud/still image	Point cloud/visual/still image	Visual/flexible
Number of cameras	12 units (infra-red)	12 units (infrared + cameras)	96 (high-definition cameras)
measurement error	0.08 inches - 0.19 inches	0.08 inches - 0.19 inches	0.08 inches - 0.15 inches
Supported apps	iBODY app (iOS/Android compatible)		
Housing size	W53.15 x H78.74 x D62.99 inches approx.		Approximate Dimensions :90.55 inches (dia.) x 98.43 inches (H)
selling price	JPY 1.7 million (excluding tax) ～	undecided	7.8 million (excluding tax) ～
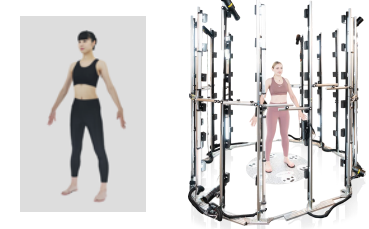
Beeats Corporation Company Profile

BEEATS CO.,LTD. is a marketing company specializing in optimizing space design and store digital solutions.

For more information, click here ▶

trade name
BEEATS CO.,LTD.
(BEEATS CO.,LTD.)

capital stock
10 million.

Establishment
1977 April.

Annual turnover
JPY 9.1 billion (year ending Mar 2024)

officer
President and Representative Director
Matahiro Kashiwagi

Number of employees
126 (Mar 2024)

Obtained Privacy Mark

20002603

ISO 14001 certification

EQA
European Quality Assurance

ANAB
ANSI National Accreditation Board
ACCREDITED

ISO 14001:2015 & JIS Q 14001:2015
(東京本部・大阪本社)

［**Osaka Head Office.**]
541-0041
2-2-22, Kitahama 2-chome, Chuo-ku, Osaka
Kitahama Central Building 8F
TEL : 06-6351-8835

［**Tokyo Headquarters.**]
105-0003
1-7-14 Nishi-Shinbashi, Minato-ku, Tokyo
Keihanshin Toranomon Building
TEL: 03-3519-6055

［**Nagoya office.**]
453-0014
2-14-11 Noritake, Nakamura-ku, Nagoya, Aichi, Japan
Meieki Fuji Building (in Biz Comfort)

Thank you for visiting.

For companies seeking more detailed explanations or information, please feel free to contact us using the details below.

https://www.beeats.co.jp/contact/3dbodyscanner-en/

✉ **Contact us**

Click here for the service page ⟶

Beeats

Addressed to BEEATS CO.,LTD. 3D Body Scanner Officer

Email address: digital-support@beeats.co.jp

Telephone number (main): 03-3519-6055