



Beyond Scanning : Specialized for All-on-X

# FREEDOM **Air**





Meet the IOS That Redefines Possibility

# FREEDOM **Air**

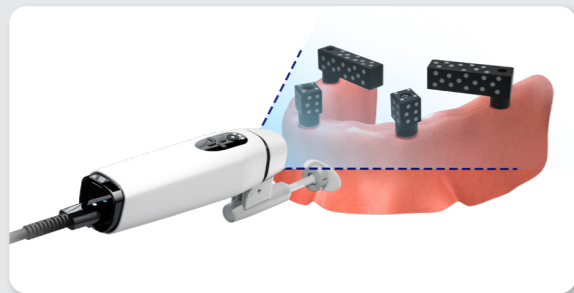
Introducing FREEDOM Air, the perfect blend of lightness and precision. It delivers exceptional scan quality, fast scanning speed, and a user-friendly experience designed with hygiene in mind. This all-in-one, complete scanner takes your workflow to the next level in both efficiency and comfort.

Born from countless innovations and tireless development, FREEDOM Air sets a new standard for digital dentistry.

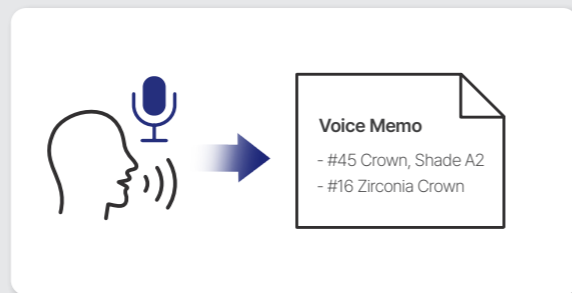
**Begin the transformation—with FREEDOM Air.**



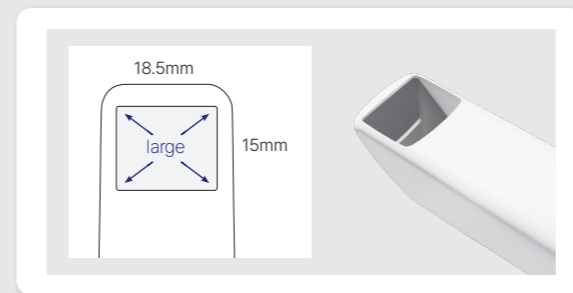
# FREEDOM Air



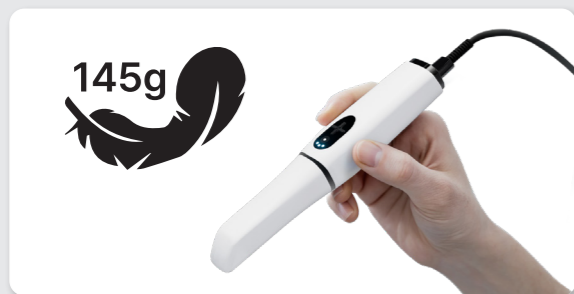
**Optimized for All-on-X**  
Precisely captures implant position data



**Smart voice memo via AI recognition**  
Clinical voice notes tailored to your workflow



**Wide scan field (18.5 × 15mm)**  
Perfect results in a single scan



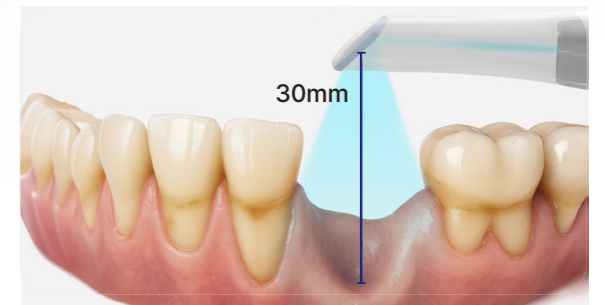
**Ultra-lightweight at 145g**  
Comfortable handling with effortless scanning



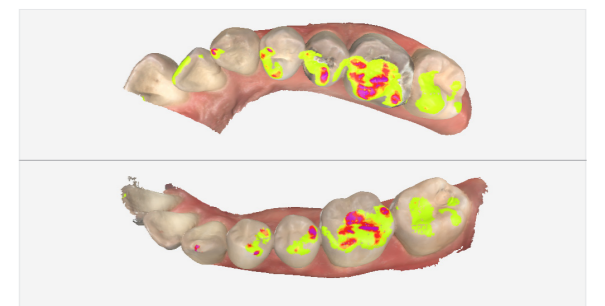
**Intuitive D-PAD control**  
Simple and hygienic operation



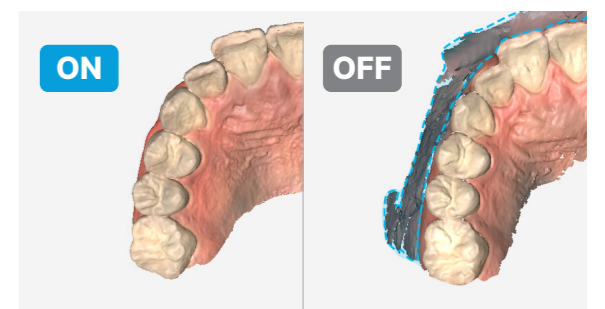
**LED indicator display**  
Instantly check scanner status and connectivity



**30mm deep scan depth**



**Accurate occlusion capture**



**Smart scan filter**



# Precision Meets Innovation

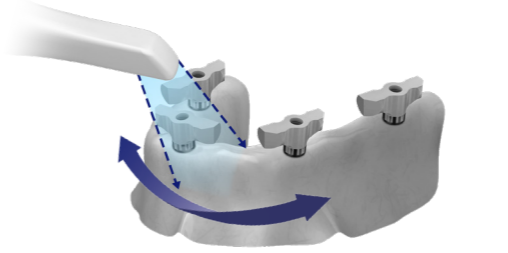
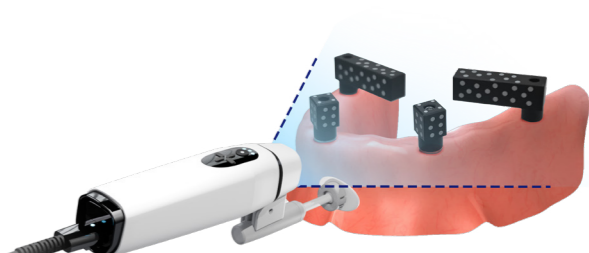
A Game Changer : Beyond Scan

## PIM Solution

Precise Implant  
Measurement Solution

Developed using DOF's proprietary technology, PIM (Precise Implant Measurement) expands the scanning area with a dedicated PIM guide equipped with a special illumination extension lens. This enables simultaneous capture of multiple scan bodies outside the oral cavity.

With wide-area scanning in a single scan, FREEDOM Air captures multiple scan bodies simultaneously without stitching, instantly recognizing their positions for precise implant placement. It is DOF's ultimate All-on-X scanning solution.

Conventional Intraoral Scanners	FREEDOM <b>Air</b> PIM Solution
 <p data-bbox="1955 1350 2017 1411">!</p>	 <p data-bbox="2648 1350 2710 1411">✓</p>
<p data-bbox="1832 1441 2140 1471">× Stitching-based Scanning</p>	<p data-bbox="2479 1441 2910 1471">✓ Photogrammetry-based Scanning</p>
<p data-bbox="1755 1522 2233 1552">× Capturing repeated scans of narrow areas</p>	<p data-bbox="2464 1522 2926 1552">✓ Capturing wide area in a single scan</p>
<p data-bbox="1740 1622 2248 1653">× Recognizing the outer shape of the scanbody</p>	<p data-bbox="2448 1622 2941 1653">✓ Recognizing the unique coded scanbody</p>
<p data-bbox="1832 1733 2156 1764">× Higher risk of data distortion</p>	<p data-bbox="2494 1733 2895 1764">✓ Delivering high precision results</p>

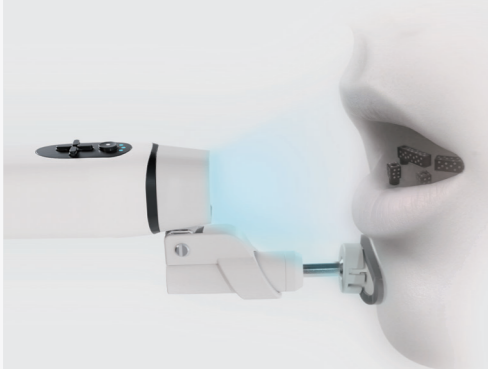
# 2-in-1 Scanner

One Device Two Solutions

## Extraoral Scan

### Photogrammetry

Multi-Implant Position Scan



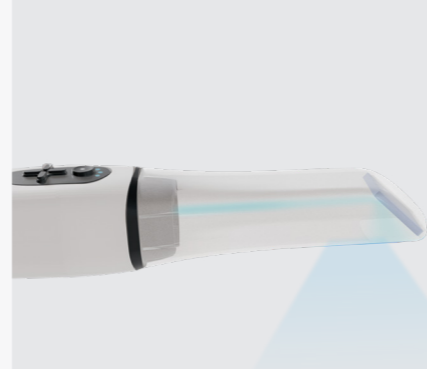
PIM Solution



## Intraoral Scan

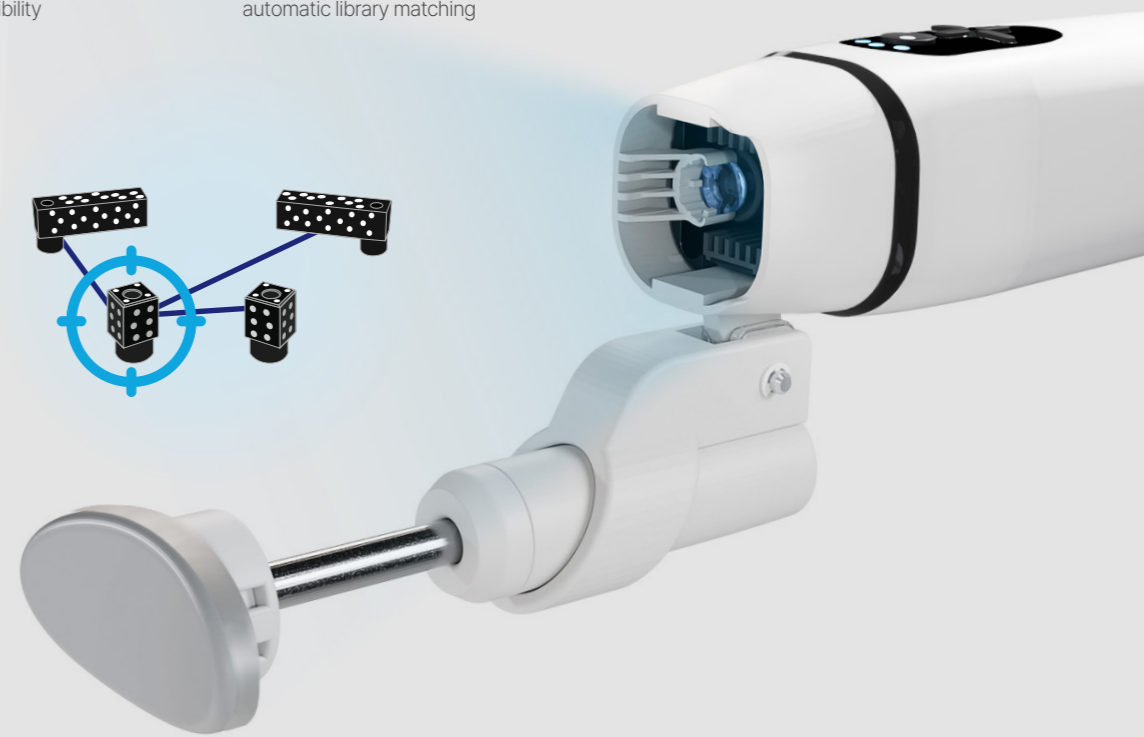
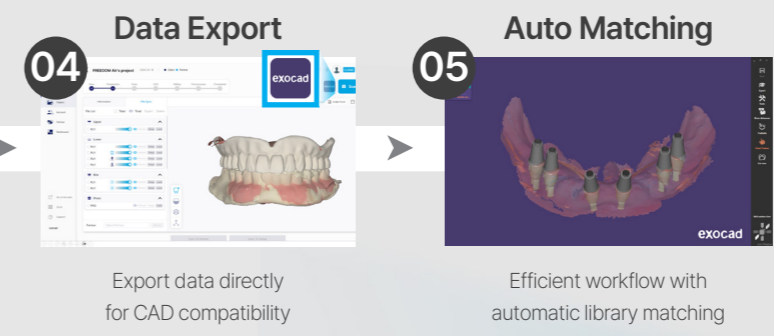
### Stitching Scan

Teeth, Soft tissue Scan

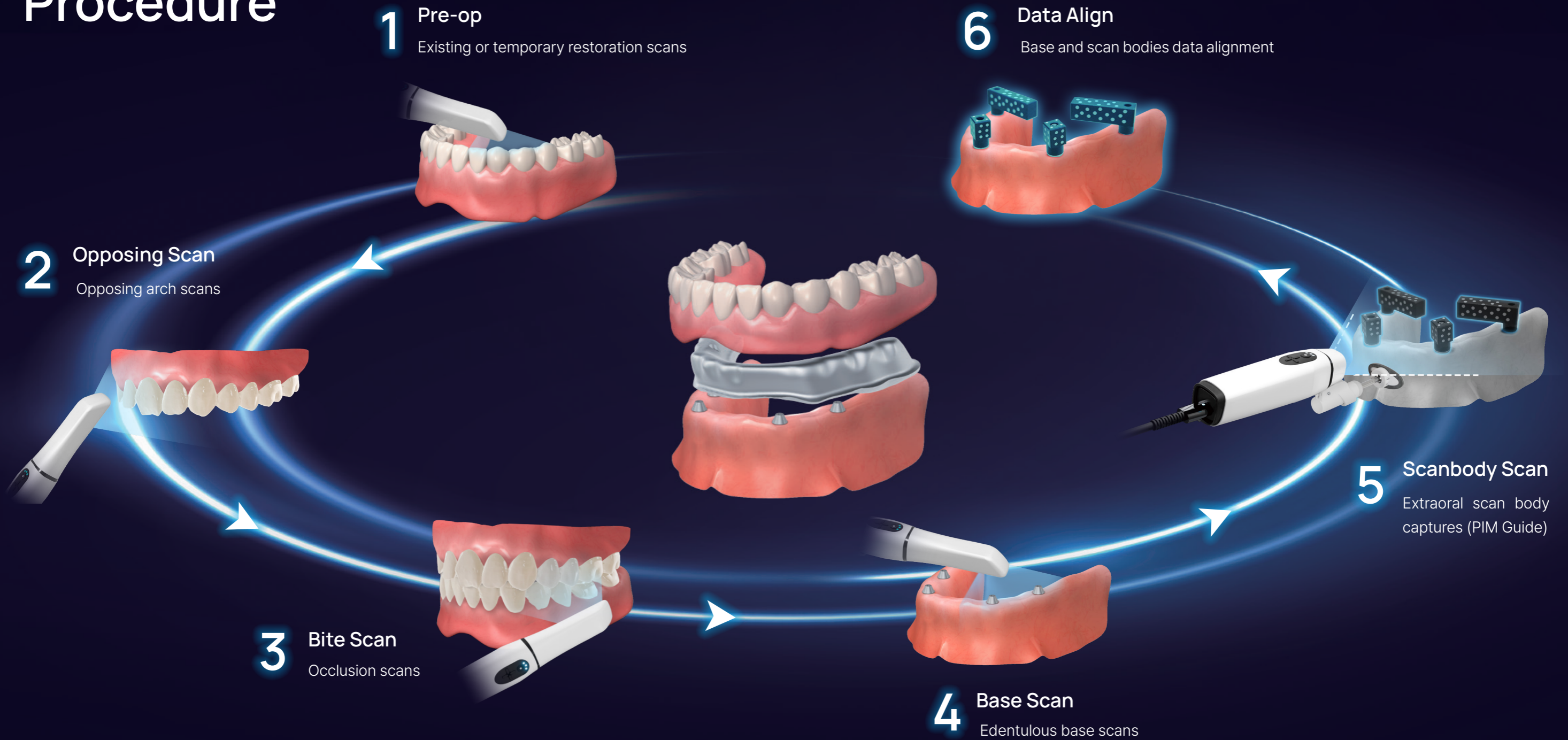


## Ultra-Precise 3D Data Through Photogrammetry

By simultaneously capturing images from multiple angles, FREEDOM Air generates ultra-precise 3D data without distortion. It accurately records the position of scan bodies, ensuring outstanding precision and reliability—even in the most complex full-arch restorations.



# Procedure



# Case 1

Maxillary All-On-6 Implants (Immediate Loading) \*Dr. Recep uzgur

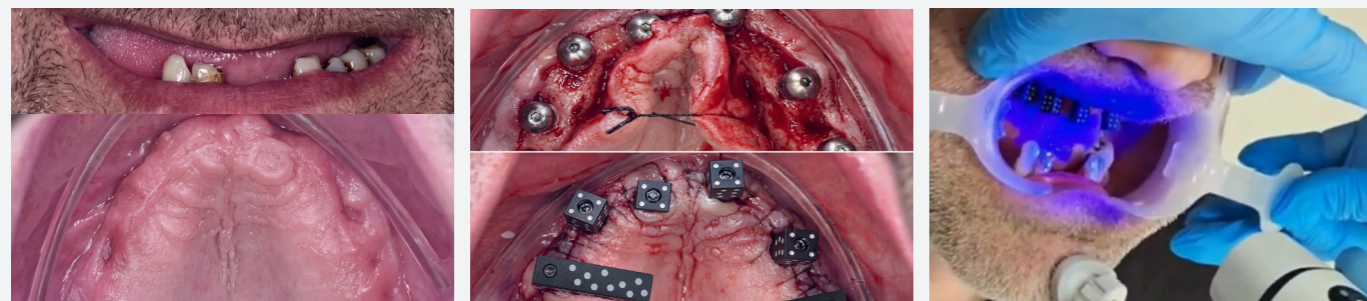


Fig.1 Edentulous Base

Fig.2 Implant Placement & PIM Scanbody Connection

Fig.3 PIM Scanbody Scan (Photogrammetry)



Fig.4 CAD Design

Fig.5 Bar(Framework) & 3D Printed Restoration

Fig.6 Final Prosthesis

# Case 2

Mandibular All-On-6 Implants

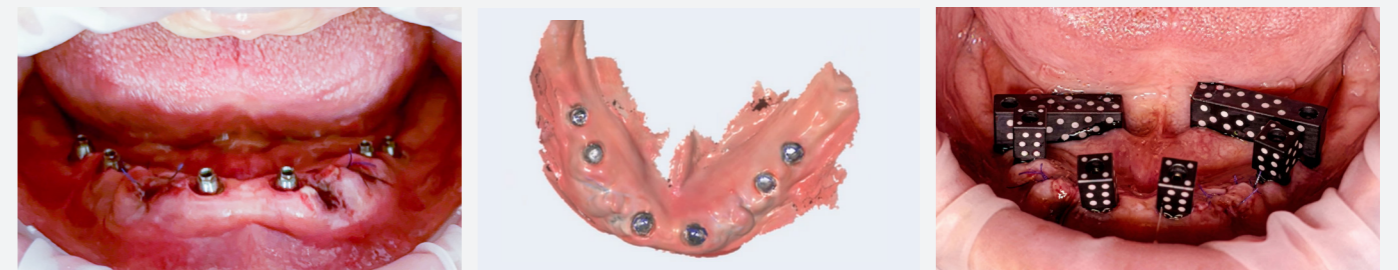
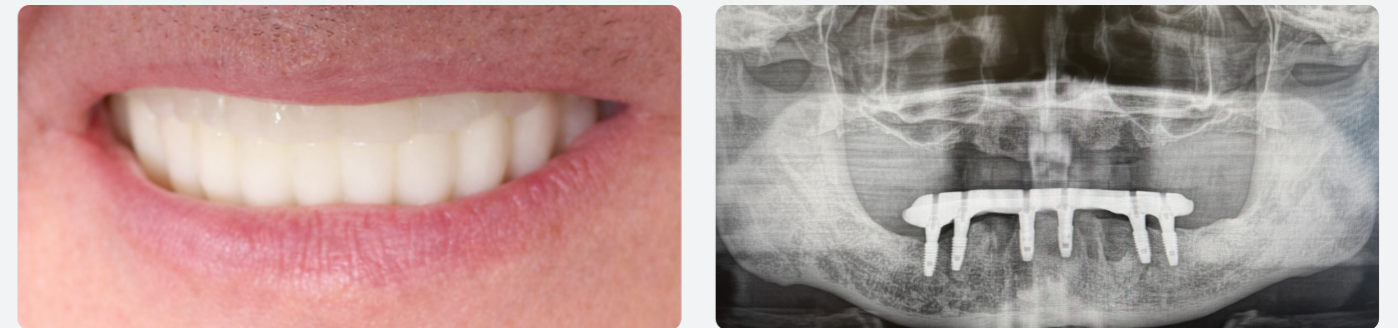


Fig.1 Edentulous Base with MUA

Fig.2 Edentulous Scan Data with MUA

Fig.3 PIM Scanbody Connection

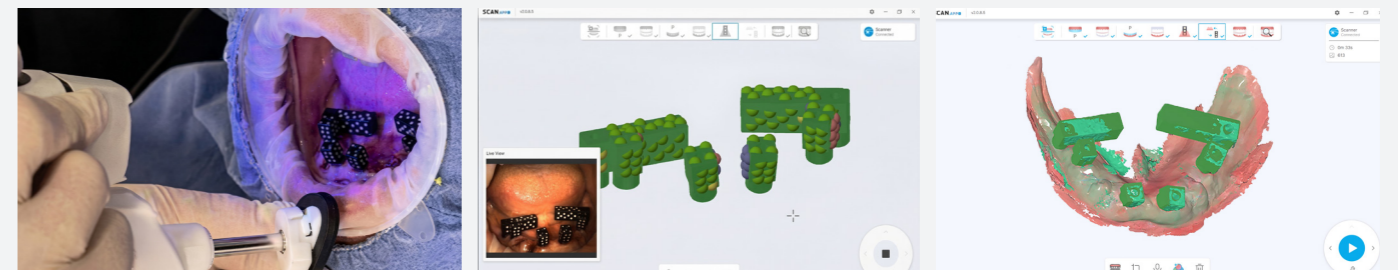


Fig.4 PIM Scanbody Scan (Photogrammetry)

Fig.5 PIM Scanbody Scan Data

Fig.6 PIM Scanbody Align Data

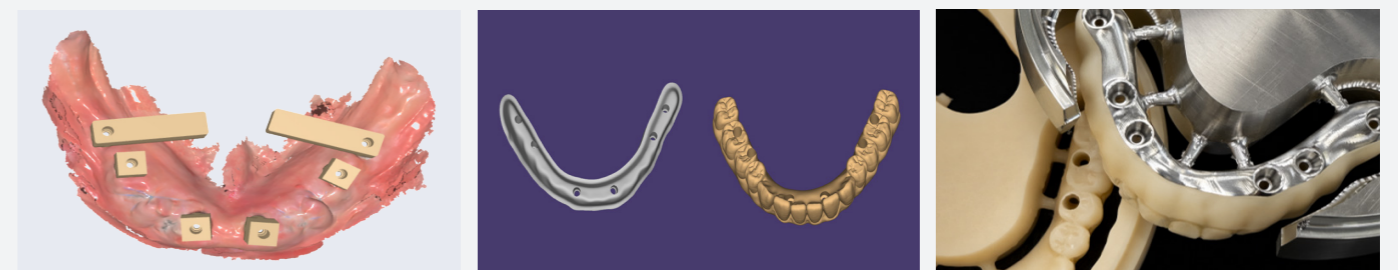


Fig.7 PIM Scan Data

Fig.8 CAD Design (i-Bar, Provisional)

Fig.9 Provisional Restoration (Milled by **DOF CRAFT PLUS**)

# PIM Solution

Engineered for Perfect All-on-X

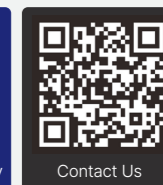
## PIM KIT Components



Components	QTY	Image
PG SQ Scanbody (Short, 5*5*9 mm)	6	
▪ Scanbody PG L Scanbody (Long, 20*5*9 mm)	2	
6061 Aluminum (a high-strength aluminum alloy)		
▪ Hand Driver (Hex 1.2)	2	
▪ Torque Ratchet(35N)	1	

• Screw-integrated scanbody connected to the MUA to capture the implant's 3D position during PIM scanning.

• Sterilization required before use. (Autoclave at 134°C for 15 min, followed by 30 min drying)

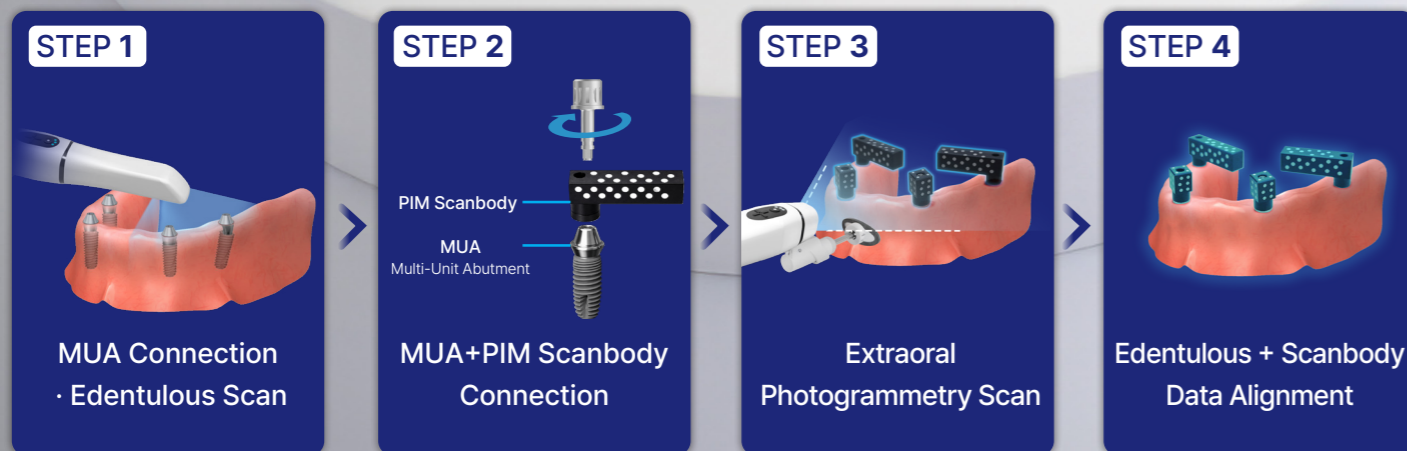


## Compatible Multi-Unit Abutment

Type	Compatible MUA
NB	Nobel BioCare
	Straumann (SRA)
	B&B Dental
	Sweden & Martina
	Jdental Care
	DESS
DT	Bio Infinity
	Dentium
	Cowellmedi
DO	C_Tech
	DIO
NC	Nucleoss
FX	FOXDEN

• Type list is continuously updated. • Scan the QR code for the full MUA list.  
 • For compatibility checks or additional requests, contact DOF customer support.

## PIM Scanbody Scan Process







**Cart Size**

W 550 x D 450 x H 840mm

\* The Cart and PC are not included and must be purchased separately.

**Technical Specification**

Product Name		FREEDOM Air
Scanning Technology	Camera Resolution	1920 × 1200 pixels
	Scan Depth	30mm
	Accuracy	10µm
	Anti Fogging	Yes
	Light Source	LED (White, Blue)
	Export File Format	PLY, STL
Scanner Handpiece	Dimensions (Body + Tip)	219 × 35 × 36.6(mm) (W x H x D) without cable
	Weight (Body + Tip)	145g
Connection	Connectivity	USB 3.2 Gen 1
Tip	Tip Size	Middle Tip : 22*17(mm) Large Tip : 25*20.5(mm) Small Tip : 16.3*13.5(mm)
	Field of View	Middle Tip : 16.5*14(mm) Large Tip : 18.5*15(mm) Small Tip : 10*9(mm)
	Autoclavable	Up to 150 times

**Recommended System Requirements**

FREEDOM Air Recommended System Requirements	
CPU	- Intel 14th Gen i9 or higher - Intel Ultra 7 & Ultra 9
GPU	-NVIDIA GeForce RTX 4060 or higher, RTX 50XX series (VRAM 8GB or higher) -Driver version 576.80 or newer is required (Based on Studio driver)
Memory	Minimum 32GB
Hard Drive	- Minimum 1TB SSD (SSD with DRAM recommended) - At least 20GB of free space
OS	Windows 10/11 (64-bit)

## About DOF Inc.

DOF is a CAD/CAM solution company specializing in developing the world's best 3D dental scanners and dental milling machines. Since the foundation in 2012, DOF has been bringing a new sensation to the industry and has been indicating a rapid growth through developing camera moving scanners. DOF always leads the market through developing innovative products such as FREEDOM X5, a 5-megapixel 3D dental scanner boasting the highest precision in the world, and FREEDOM F, a face scanner capable of directly reproducing the face of a patient into 3D data.

DOF promises to grow as we communicate with our customers. Every product provided by DOF is planned and designed through taking into consideration what functions are required by our customers and what may be considered inconvenient by our customers. Even after a product is complete, DOF continuously applies the feedback provided by our customers to improve our products. To help our customers work more conveniently and joyfully is the dream and future DOF envisions.



[doflab.com](https://doflab.com)

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