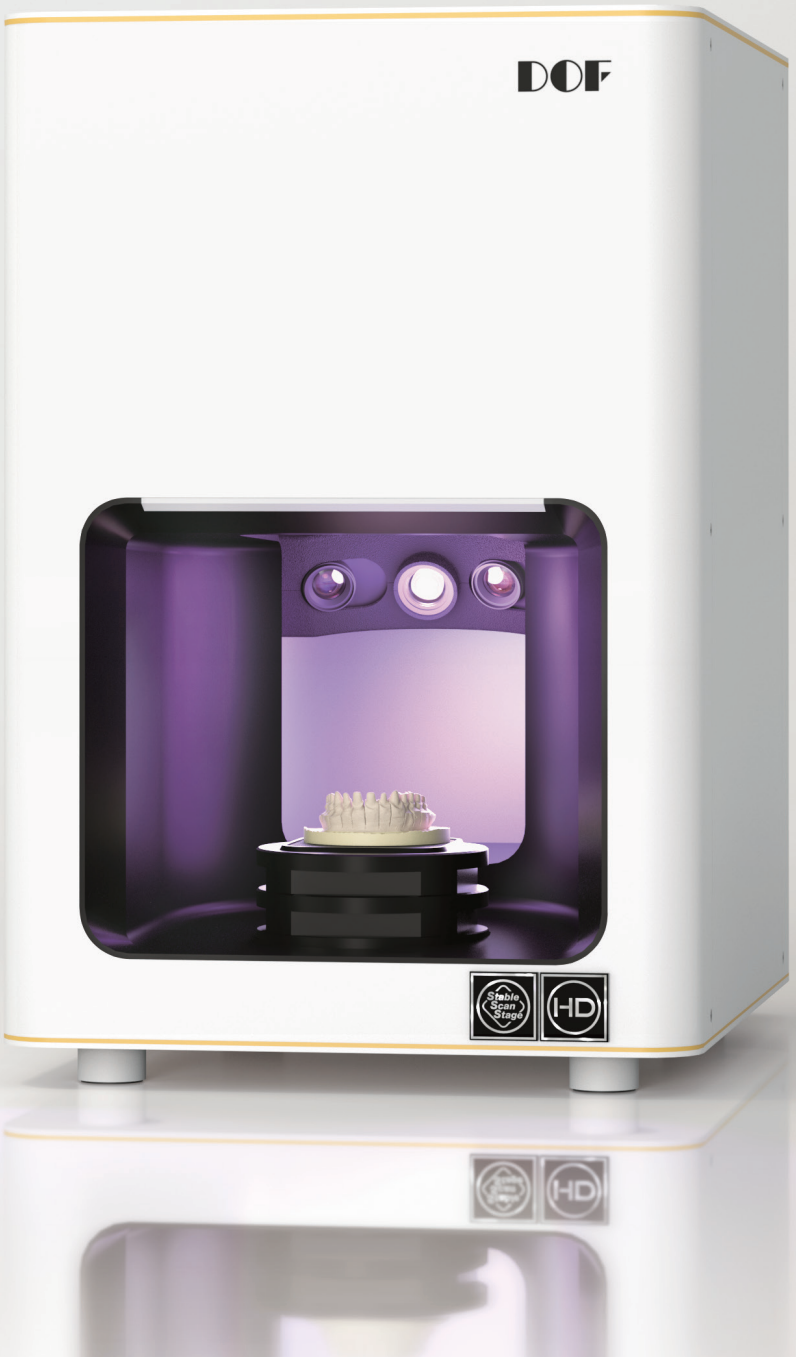
Camera Moving Model Scanner

FREEDOM HD



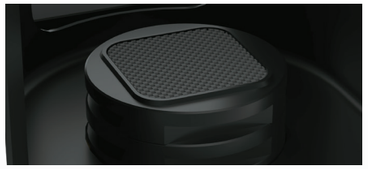
DOF

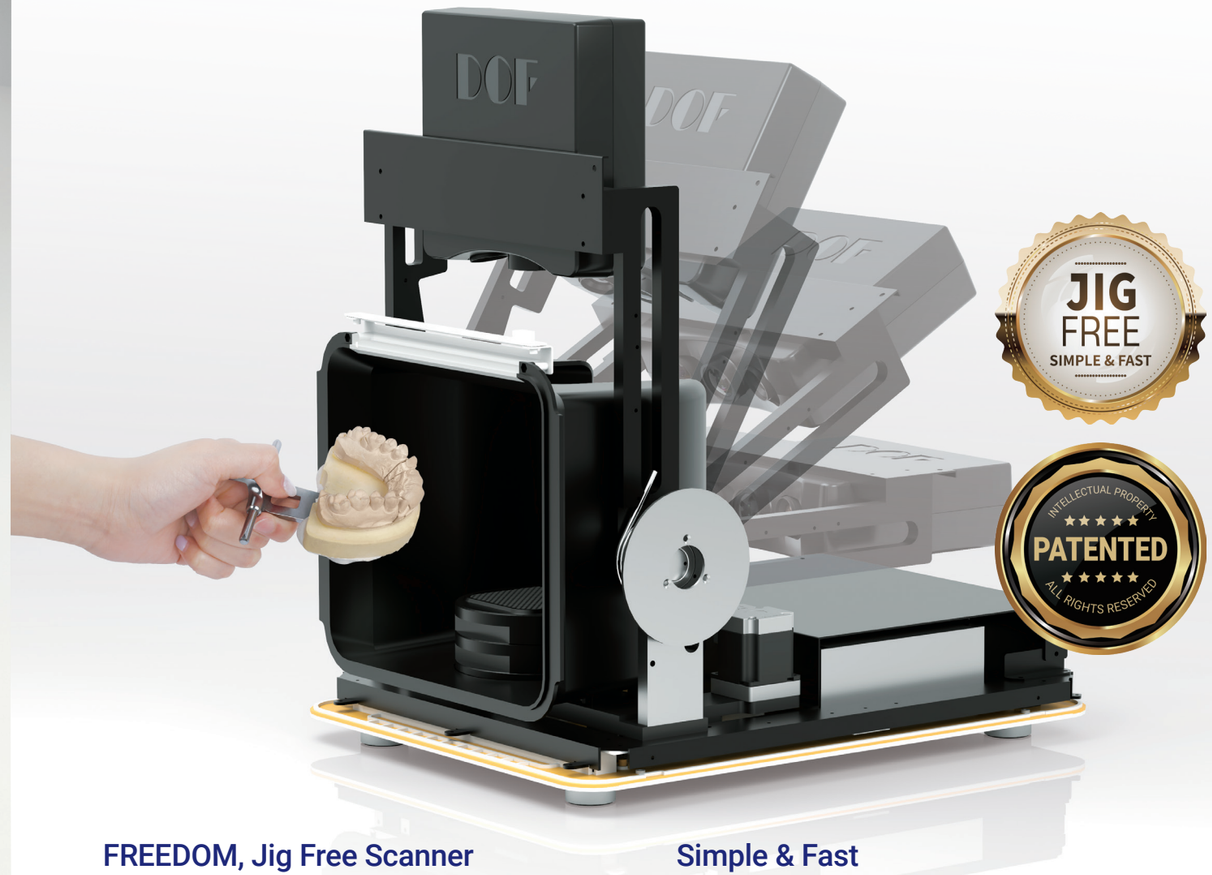
MORE POWERFUL THAN EVER

FREEDOM HD is DOF's flagship scanner. This reliable scanner has already been chosen by thousands of dental professionals in over 70 countries. DOF has built customer trust based on its incomparable technology that can handle all clinical cases, and increased customer satisfaction by applying a user-friendly UI. Experience premium CAD/CAM solution with FREEDOM HD.

FREEDOM HD with CAMERA MOVING SYSTEM

FREEDOM HD is a scanner with a Full HD resolution dual camera with a camera moving system patent technology. Convenient and stable scanning is possible through this patent technology as the camera moves freely without fixing the model, and users can obtain sharp margin lines with the Full HD resolution dual camera.



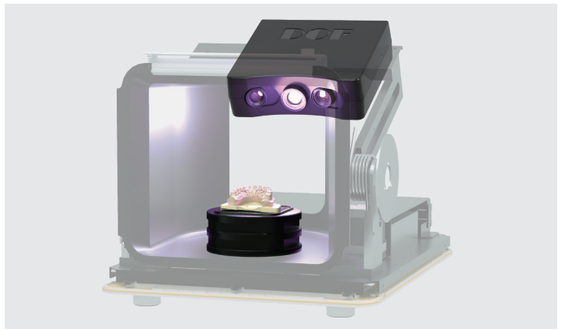


FREEDOM, Jig Free Scanner

DOF FREEDOM scanner's important feature is that it does not use a jig. Since the model does not move during scanning, there is no risk of the model falling off or damaging.

Simple & Fast

FREEDOM scanners do not require a jig to scan, so it is unnecessary to screw the model in place. Therefore, the scan time can be significantly reduced.



01

Powerful Scan Engine

The optimized 3D scan projector not only provides the best scan data, but also turns off automatically when not in use. The scan engine is modularized for easy and simple replacement.

02

Articulator Direct

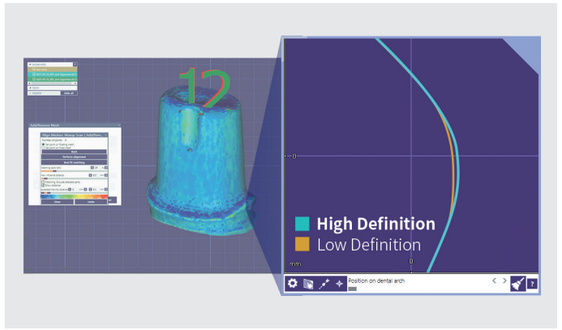
The occlusal relationship can be reproduced as it is by scanning the mounted condition. A simple hinge articulator, which is commonly used in clinical practice, can also be used, thus, increases work efficiency.

03

Transfer Plates

Adjustable articulators, Artex, KaVo, SAM, Bio-Art, and Denar*, can be used for precise prosthesis production, and optional transfer plates are available to reproduce the occlusal relationship in clinical conditions.

* Artex, KaVo, SAM, Bio-Art, and Denar are trademarks of respective companies.



04

High Definition Scanning

It is available to acquire more detailed data by scanning with a Full HD resolution dual camera.

05

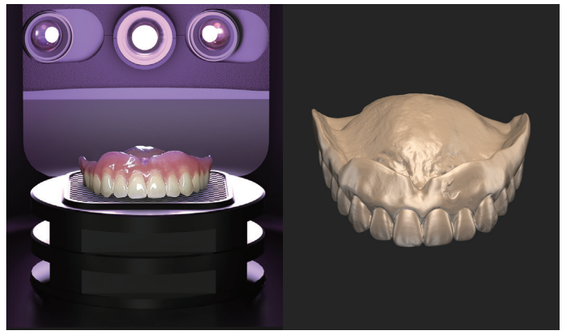
Interproximal Scanning

Data between teeth can be acquired without distortion by using interproximal scanning not only for orthodontic devices, but also for general prosthesis and partial denture production.

06

Impression Scanning

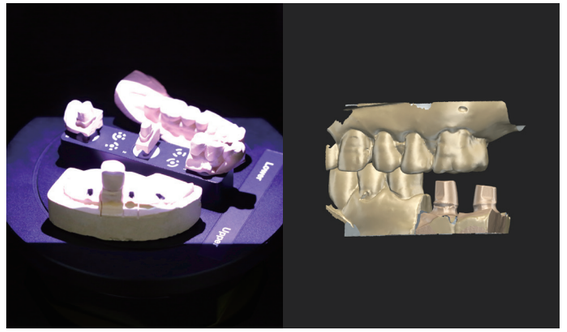
Scanning narrow and deep impressions is possible and both sides of the impression data are automatically matched with the unique scan target technology.



07

Denture Scanning

A denture is easy and convenient to scan. The existing denture can be duplicated by scanning both the top and the bottom of the denture.



08

All-in-One Scanning

Scan an upper jaw, a lower jaw, and dies all at once. Save your work time by half.

SIMPLE, SMART and INTUITIVE Scanning Software

ScanApp is an intuitive and user-friendly design software exclusively used for DOF scanners.
A variety of complex clinical cases are quickly and easily scanned.

Expert Scan Mode (Free Scan)

The expert mode allows to scan freely regardless of the complexity of the cases.

Auto Alignment

Since the software finds the best matching points and automatically matches data, it saves your work time from clicking the points.

Scanbody Fitting

The location of the scanbody can be preset within ScanApp. By measuring the height and the angle, it can reproduce the position more precise than other CAD programs.

Additional Scan and Match

This function enables to reposition a model to perform additional scans during scanning stages or to match additional models after scanning. Even a full denture can be scanned easily and simply.

Partial Matching

Match scan data of two models by selecting the desired part. Precise matching is possible even with small common parts of the scan data.

Back-Up Recovery

Scan data are automatically saved even if the program is abnormally terminated due to power failure or computer error.

Virtual Articulation Set-Up

It is possible to use the virtually adjustable articulator function by placing the scan data in the virtual articulator coordinates without using the actual articulator.

Hybrid Scanning

By combining optical and contact scanners in one software, you can achieve the speed of the optical scanner and the precision of the contact scanner at the same time. It is highly useful scanning feature for making implant bars.

Resolution Adjustment

Before starting the build, freely adjust the resolution of the STL data. The abutment, the adjacent teeth, and the antagonist can be output by adjusting the desired resolution and the file size.

STL Import

Scanned data can be imported and utilized in a new scanning process. Users can replace desired scan steps with existing STL files.

Overview & Technical Specification

FREEDOM HD

Dimensions	330mm x 495mm x 430mm (W x H x D)
Weight	17kg
Scanning Method	Camera Moving System
Output Format	STL, OBJ, OFF
Light Source	White light LED
Technology	Structured light
Power	100-240V(AC), 50-60 Hz
O/S	Windows 10 (64bit)
Accuracy	7μm*

*The scanning accuracy may vary depending on the working environment or your model.

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 UHD, a 5-megapixel 3D dental scanner boasting the highest precision in the world, and SNAP, 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

DOF Inc. #601-602, 77, Seongsuil-ro, Seongdong-gu, Seoul, 04790 Korea (070-5057-3518)