Meet Our New 3D Dental Scanner

FREEDOM

Essential Abilities
Compact Design
Advanced Workflow
A scanner that is designed to do its task in most efficient and intuitive way.
Stable Scan Stage™ Method

**What?**
We developed a **completely unique system** as compared to other conventional systems.

**Stable Scan Stage (SSS) method** with moving camera technology allows you to **scan without any fixture or adhesive**.

**Why?**
Conventional scanners need to mount models with **fixture or clays**, and they are not only **tedious and messy** but also **time consuming**.

**How?**
*Freedom's patented SSS Method* with moving camera technology enables camera and light module to **rotate around** the center of scanning stage and **keeps your models stable** while scanning.
Big Time Saver

**Speed**

Not only you benefit from the quick scanning process, but your working time is saved even more by avoiding mounting modelsto fixtures.

To give you an idea, your expected time to scan 14-Unit bridge will only be under 5 minutes.

**All-in-One**

Conventional scanning process involves up to five steps. Every time the model is removed from the scanner not only your time is sacrificed, but it also takes away your attention.

All-in-One Scanning enables you to complete a single or 3-unit bridge case in just two simple steps. This saves almost 50% of the technician’s work time.

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**Articulator - Direct**

**Articulator Compatibility**

Freedom will read articulator occlusion relationship directly from your existing articulator. You can mount your existing major splits on to Transfer Plates and transfer physical coordinates to CAD software.

**Virtual Articulation**

Virtual Articulation* also can be utilized, supporting Artex, KaVo, SAM, and Adesso** bases.

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* Check if your dental CAD software supports Virtual Articulation. Optional scan plate required to mount Artex, KaVo, SAM and Adesso bases.

** Artex, KaVo, SAM and Adesso are trademarks of respective companies.
Accurate & Reliable

Each and every unit of Freedom goes through a strict accuracy check using a testing artifact made and measured at Deutscher Kalibrierdienst, a renowned measurement laboratory in Germany.

Accuracy is one of the most important aspects of dental 3D scanners.

You want to make sure that your scanner gives the most accurate and reliable data as possible, helping you create a perfect restoration.

From simple to complex cases, rely on Freedom for your quality digital works.

Advanced Workflow

Freedom is designed to make scanning experience as easy as possible, even for a CAM/CAM novice. An intuitive, wizard based scanning workflow will minimize the learning curve for dental technicians.

Point & Capture

When capturing missing and incomplete data you can define a specific area and the software will automatically set the best exposure level for you.

Smart Alignment

Aligning (matching) data with Freedom Scanning Workflow minimizes user input and increases your work efficiency.
Multi-die Scanning
Your work efficiency is increased when Multi-die plate is used to scan complex models with many dies.

Implant Multi-die Scanning
Highly productive and accurate data can be obtained with effortless scan spraying.

Simply Place & Scan
Freedom allows a jig-free scan for mounted model regardless of its shape or size.

Wide Applicability
Precise and fast scan is guaranteed for any cases.
Additional Features

Impression Scanning
Freedom is perfect for scanning gypsum models, but it is also optimised for silicone and alginate impression.

Our innovative HSS algorithm enables you to capture areas that are difficult to scan and outputs a final positive models.

Orthodontic Application
Freedom dental scanner is also optimized to be used for orthodontic applications.

The scan data you obtained from either your gypsum or impression will be have the necessary features to be ready for your orthodontic planning.

Pencil mark scanning
Everything cannot be digital.
We understand sometimes you need to rely on the pencil marks hand drawn by yourself.

Freedom will provide an option for you to scan pencil lines overlaid on your digital data.

exoscan
Integrate your scanner with the exocad® DentalCAD platform.

exoscan provides 100% seamless integration between scanning and CAD. Scanning and designing can be done in the same application.

3D Mouse Compatibility
3D mouse is supported.
You can scan or design with 3D mouse for more intuitive navigation and motion control.
FREEDOM Overview & Technical Specification

Moving Method: SSS Method
Axis: 2axis
Light Source: White light LED (20,000 hours)
Technology: structured light
Camera Resolution: 1.3MP (2 cameras)

Software: Open Type (STL compatibility)
Accuracy: 10μm (The scanning accuracy may vary depending on the working environment or your model.)
Dimension: 268 (W) x 490 (H) x 418 (D) mm
Power: 110-240V, 50-60 Hz
O/S: Windows 7, 8 (64bit)