

CAD/CAM TECHNOLOGY  
DCS Scanning-Systems

bredent  
group

 **DENTAL**  
Concept Systems

Rediscover Your Productivity with

**MEDIT® T-710**

Perfectly matched  
for all DCS Systems



EDITION



**DENTAL**  
Concept Systems

# Introducing the **new and improved T-Series**

We've completely overhauled the design of our T-Series tabletop scanners.

The result is **a sleek and sophisticated scanner** which not only does its work well, but in style.



Medit **T510**



Medit **T310**



Medit **T710**

# Our fastest, yet again!

From the company that brought you the first blue-light tabletop scanner, introducing the **Medit T710**, the fastest Medit tabletop scanner you have yet to experience.



## Why the Medit T-Series? It's a simple choice.



### Superfast scanning

With our high-quality hardware and optimized software, scan a full-arch in just 8 seconds with the T710.



### High-resolution cameras

Our 5.0MP cameras ensure high-resolution detailed scan data. With the four-camera system, the T710 covers a wide scan area, eliminating any blind spots.



### High accuracy

4-micron accuracy: ISO 12836



### Auto-elevation

Say goodbye to stacking half-jigs for the correct scanning position with our auto-elevation feature. For your ease of use.



### Open system

Enjoy the freedom of our open system which allows you to import and export files in STL format so you can design on virtually any software.

## Scanner accuracy is the base of CAD/CAM work

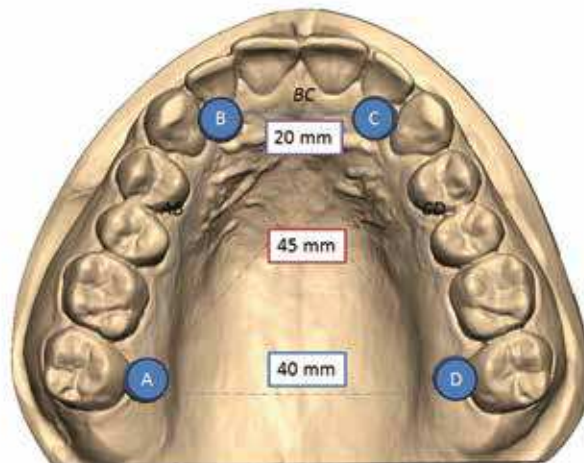
CAD/CAM dental work requires the highest accuracy to produce well-designed bridges, implants, and bars. The state-of-the-art scanning technology of our T-Series ensures the highest-quality scans with high accuracy, adhering to strict international standards.



## ANSI/ADA Standard No. 132

The ANSI/ADA Standard No. 132 describes test methods used to evaluate the repeatability, reproducibility, and accuracy of dental devices for 3D metrology.

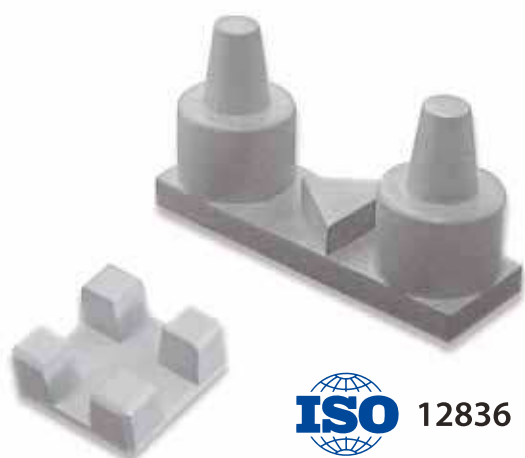
The not-for-profit American Dental Association (ADA) is the nation's largest dental association, representing more than 161,000 dentist members.



## ISO-12836

ISO 12836 specifies test methods for the assessment of the accuracy of digitizing devices for computer-aided design/computer-aided manufacturing (CAD/CAM) systems for indirect dental restorations.

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies.



## VDI 2634

The VDI 2634 defines the acceptance and reverification tests as well as artifacts for the evaluation of graphical optical 3D measuring systems with planar measurement regarding its accuracy. It is valid for optical 3D measuring systems with planar measurement, which works according to the triangulation principle. Verein Deutscher Ingenieure (VDI) is the largest engineering association in Germany. As the third largest standards organization, VDI is also a partner in the German business community and scientific organizations.



## Speed up your workflow

The **Medit T710** is equipped with a fast scan engine and highly efficient software algorithm which work in tandem to produce a full-arch scan in just 8 seconds. The advanced, high-speed positioning system of the new T-Series is designed for optimal performance for your laboratory, speeding up your workflow and increasing productivity.



## Accurate & detailed scan data with our 4 high-resolution cameras

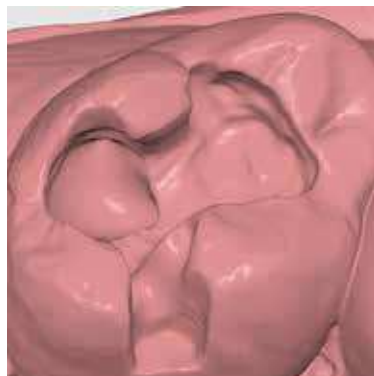


The **Medit T-Series** has revolutionized data precision with state-of-the-art software, high-resolution cameras and blue-light scanning technology, giving you high-quality scan data which is clean, sharp, and with intricate details.

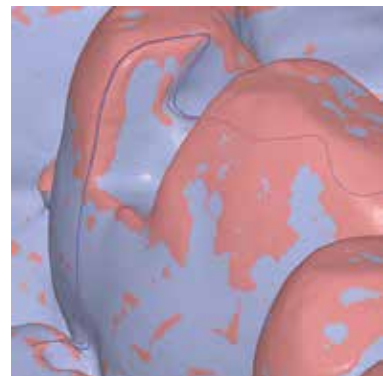
The **T710**, with its new four 5.0MP-resolution cameras system, ensures your models and impressions are fully scanned, eliminating all blind spots. The Medit T-Series will save you precious time and money by minimizing the need for restoration adjustments.



X Brand scan data  
(4 x 5.0MP cameras)



**T710 scan data**  
(4 x 5.0MP cameras)



Scan data comparison  
T710 - X Brand



# Do more with less effort

We've always prioritized simplicity when developing our solutions. Because we want to ease your work. So we are proud to present to you our new T-Series dental tabletop scanners which allow you to do more with less effort.

## Auto-elevation

We've done away with stacking half-jigs to save you the hassle of adjusting your scanning object every time. Let the scanner decide the scanning height for your object with our auto-elevation feature.

## Wider scan area

Scan more objects at the same time thanks to the wider scan area of our T-Series scanners!

## No blind spots

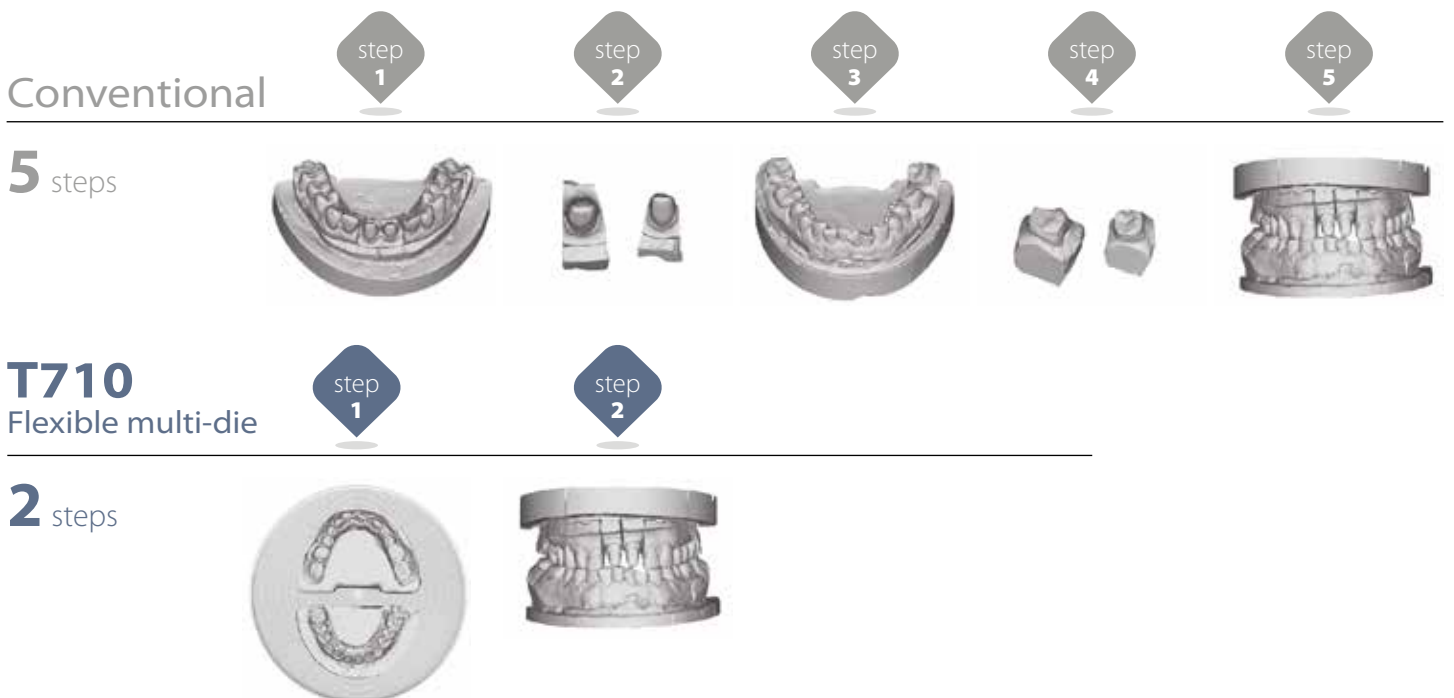
The 4 cameras in the T710 are positioned in a way to ensure that there are no blind spots in your scan data. It only takes one scan to get the full data!



# Convenience

## Flexible multi-die scanning

Make your work more efficient by using the flexible multi-die to scan a full-arch or partials with multiple dies simultaneously.



# Most versatile articulators integration



## Full-size articulator scanning

To reproduce the exact occlusion orientation, nothing beats scanning the occlusion in the articulator itself. We've designed our T-Series to accommodate any articulator available in the market, comfortably.

## KAS jig, the smart 3-in-1 jig

Our smart three-in-one KAS jig enables you to use KaVo, Artex, or SAM articulators conveniently.



**KaVo**



**Artex**



**SAM**

## AM jig for virtual articulators

The AM jig supports MARK330 and BIOART A7+ articulators, making it easy for you to design on exocad.



**MARK330**



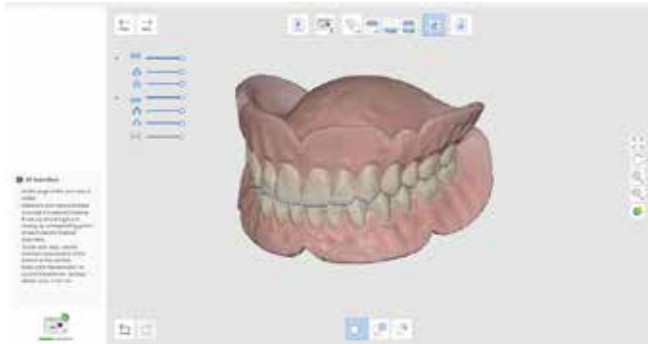
**BIOART A7+**



# Medit Scan for labs

Introducing our new lab scan software, Medit Scan for Labs. Optimize your digital workflow and get even more productive with all our new innovative features.

## Replica denture



Replicate and archive existing dentures or create a surgical or radiographic guide with fast, accurate, and high-quality scans from the Medit T-Series scanners and our Medit Scan for Labs software.

## Post and core



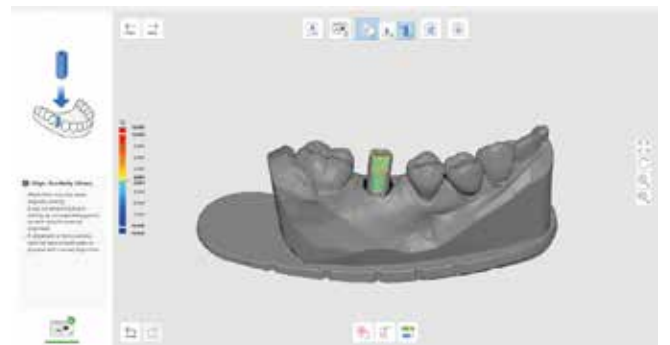
The post and core scan feature helps you to capture the deepest part of the core, by giving you the option of combining your model data with impression scan data.

## Partial denture



The partial denture framework requires the interproximal undercut as a retention force foundation. Use the 'interproximal scan' in the 'orthodontic' scan strategy for your partial denture framework scans.

## Advanced scanbody alignment



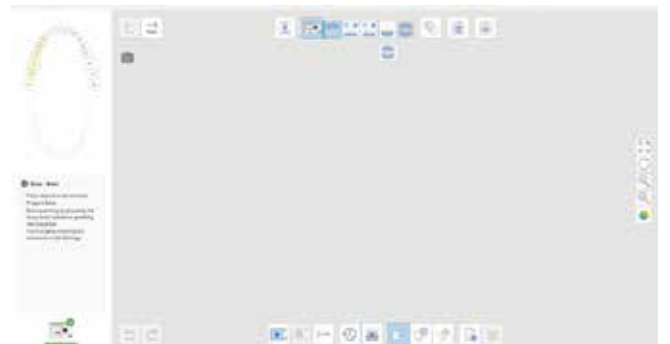
With the 'Medit Certified' library, the implant scanbody alignment feature uses an algorithm which ensures high position accuracy, as well as the accuracy of each re-alignment. The 'advanced scanbody alignment' feature is especially useful for highly sophisticated prostheses like implant bar scanning cases.

## Bottom side of the wax-up



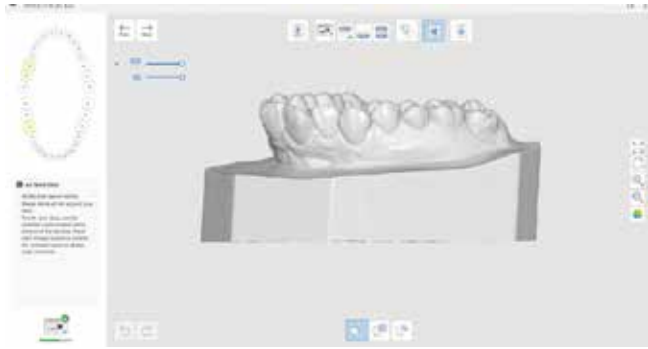
Experience optimized functionality with wax-up bottom scanning, which allows the scanning of both the extrados and the intrados of a wax-up, for perfect copying of the pontic area and a much more accurate design.

## Customized scan sequence



Enjoy the flexibility of choosing your own scan sequence with Medit Scan for Labs. Simply drag and drop the scan stages and re-order the sequence to suit your working style and needs!

## Interproximal area scan



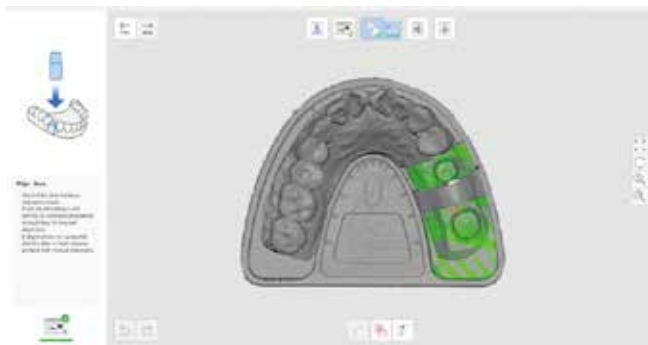
Capture important interproximal areas with the Medit T-Series and Medit Scan for Labs software.

## No downtime (processing done in background)



There's no need to wait for a case to be processed before proceeding to the next. Processing is done in the background for maximum efficiency, allowing you to scan cases consecutively without a break.

## Auto-alignment with base/prep



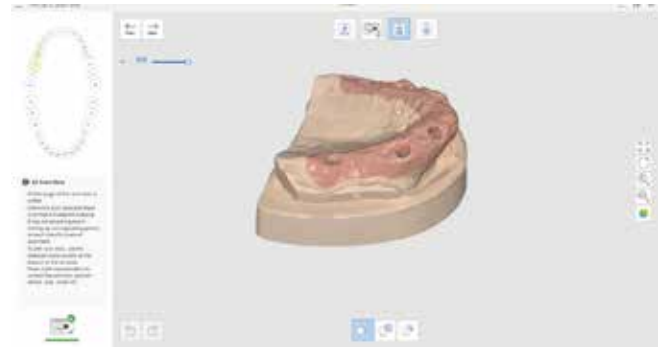
With the auto-alignment feature on Medit Scan for Labs, you no longer need to align your prep data with the base data because the software will do it for you! This feature also works for the prep data when scanning flexible multi-dies. Talk about convenience!

## Various strategies for implant case scanning

The Medit Scan for Labs software captures both the base and scanbodies at the same time, so you don't need to scan twice. With the 'add scanbody' function, you can also scan the same scanbody at several implant locations, reducing the need for multiple scanbodies.

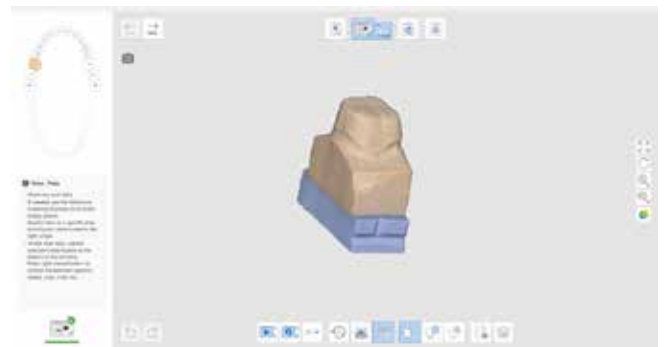


## Advanced precise color texture



Capture vivid color texture scans, including hand-marked margins or handwritten notes.

## HD Mode for selected stages



You can select specific parts to scan in high resolution, allowing you to scan in HD whenever necessary.

## Alignment to virtual mounting plate



An exclusive function only available with Medit scanners, this feature enables you to link articulators such as KaVo, Artex, SAM, MARK330 and BIOART A7+, with virtual articulators, without needing any special jigs. Simply scan the mandible mounting plate and align it to the default position of the articulator mounting plate.

# Models & specifications

	Medit T310	Medit T510	Medit T710
Resolution of camera	Mono 5.0(MP) x 2	Mono 5.0(MP) x 2	Mono 5.0(MP) x 4
Accuracy (ISO 12836)	9 µm	7 µm	4 µm
Scan principle	Phase-shifting optical triangulation		
Point spacing	0.040 mm		
Light source	LED, 150 ANSI-lumens, Blue LED		
Scan area	100 mm x 73 mm x 60 mm		
Full arch scan speed	18 sec(7cut)	12 sec(7cut)	8 sec(7cut)
Full arch impression scan speed	---	---	45 sec
Automatischer Lift	✓	✓	✓
Size	505 mm x 271 mm x 340 mm		
Weight	15 kg		
Connection	USB 3.0 B Type		
Power	AC 100-240V, 50-60 Hz		
dds magnetic plate	optional	optional	optional
MEDIT KAS magnetic plate	optional	✓	✓
MEDIT Articulator plate	optional	✓	✓
Color texture	✓	✓	✓
Post & Core	✓	✓	✓
Articulator scanning	optional	✓	✓
Flexible scanning	optional	✓	✓
Replica denture	optional	optional	✓
Orthodontic scanning	optional	optional	✓
Impression scanning	x	x	✓
Recommended system requirements	Windows 10 (64 Bit) Intel® Core™ i7-8700K processor or higher, 32 GB RAM, SSD hard drive 500 GB, HD 1 TB, USB 3.0 port graphics card NVIDIA GeForce GTX 1060 6 GB or higher		



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