Derbarzt Scanner

Explore

Elevate

Evolve

HIGHLIGHTS

Sleek and Light
Just 138g in weight and
only 221 x 27 x 25 mm in size.

Fast and Precise
Experience the 1-min
ultra-fast scan and
7μm ultra-high accuracy.

Plug and Play
No power adapter needed.

Slim Tip
Designed slim with 50-100
autoclaving cycles.

Quiet Cooling
Provide a relaxing and
stress-free experience.

Motion Sensor
Control and rotate your scan touch-free
using built in 360 degree gyroscope of
Derbarzt Scanner.

One Button Operation
Control by clicking or pressing various
actions purely with a single button.

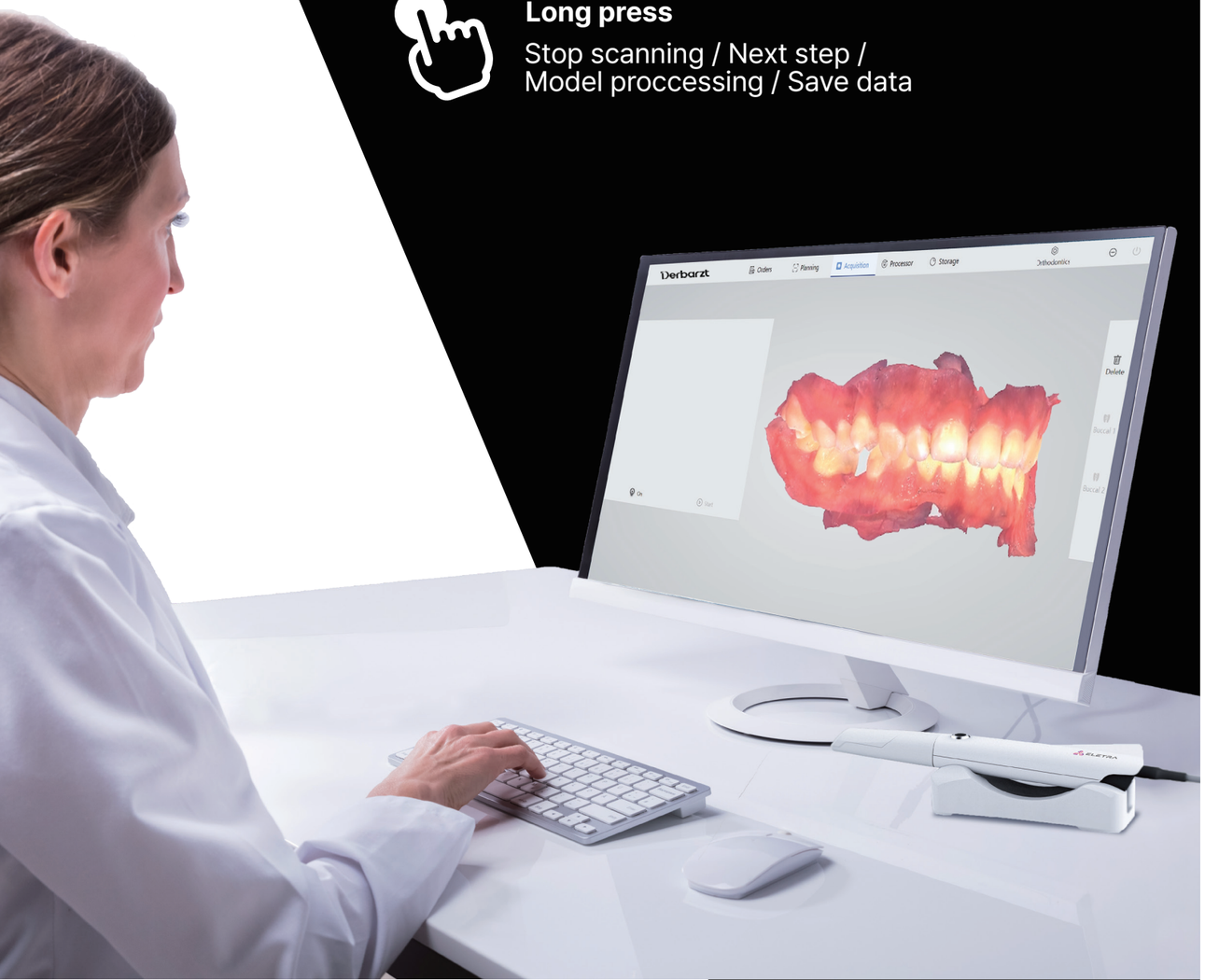
Anti-fogging Technology
Lens fogging prevention with its innovative
instant heating technology.

ONE BUTTON OPERATION

Single-click
Start / Pause scanning

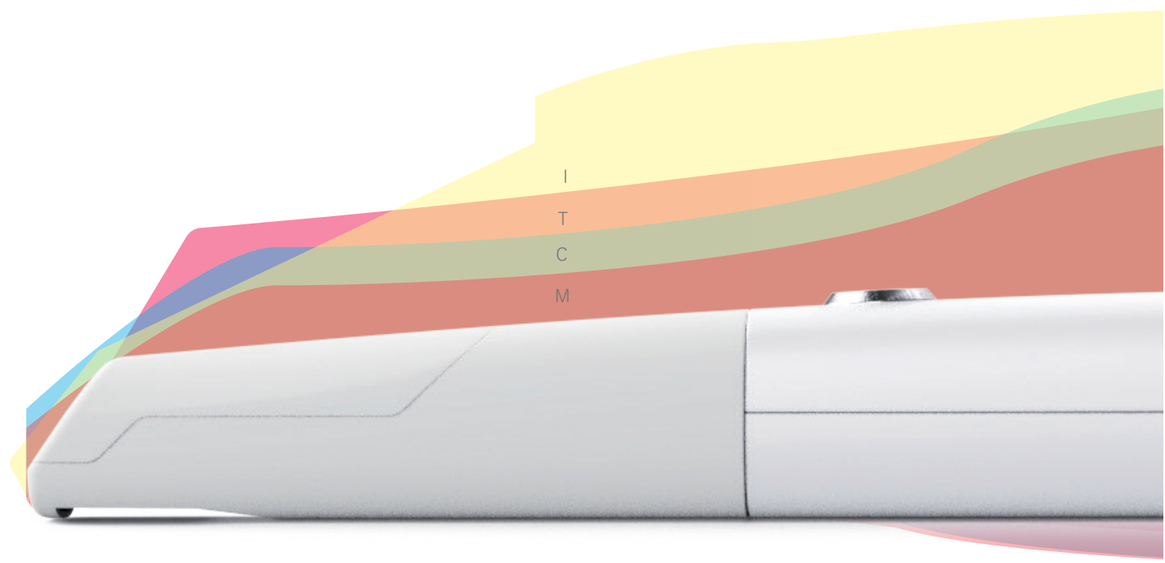
Double-click
Change color / Bite Point

Long press
Stop scanning / Next step /
Model proccessing / Save data

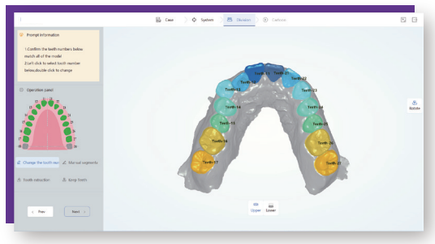


SIZE COMPARISON

	SCANNER DIMENSION (LxWxH)	TIP (H)
Derbarzt Scanner	221x27x25mm	14mm
Brand I	338.5x53.5x69.8mm	17.6mm
Brand T	266x38x37mm	19.5mm
Brand C	253x58.8x50.9mm	20.7mm
Brand M	248x44x47.4mm	15.9mm

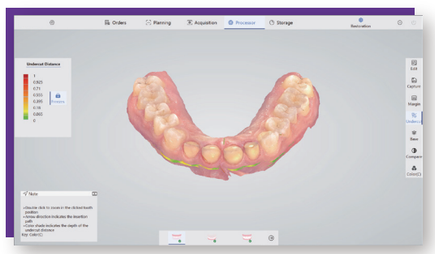


SOFTWARE FEATURES



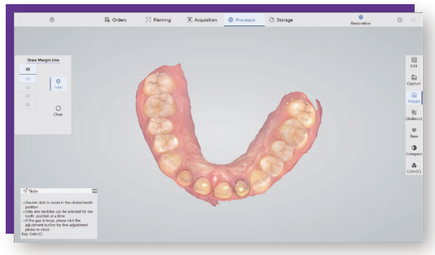
Orthodontic Simulation

Generate AI-based simulations to facilitate communication between doctors and patients.



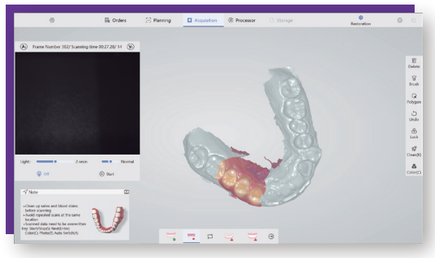
Undercut

Allow you to analyze the undercut area based on insertion direction.



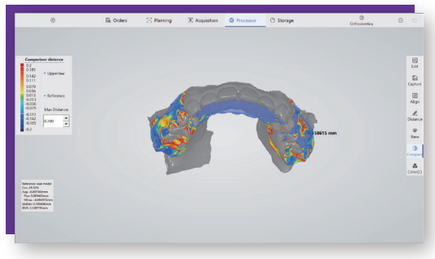
Margin

Create a margin line and edit it into accurate positions around the preparation.



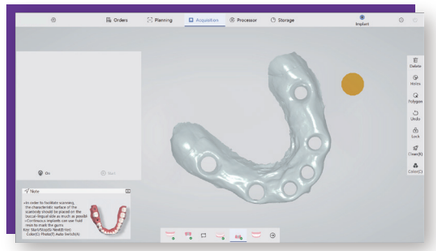
Pre-preparation Scan

Add a pre-preparation scan to an order if you want to pass on more information to the lab.



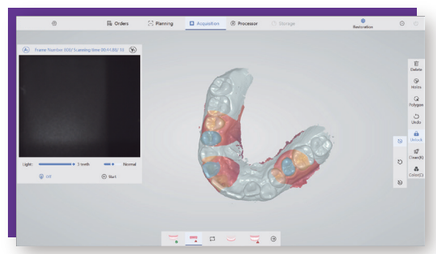
Treatment Monitoring

Compare model differences throughout the orthodontic treatment for diagnostic analysis.



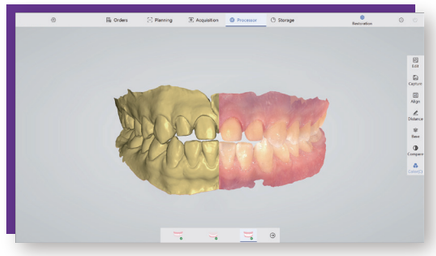
Cuff Tool

Clear cuff data avoids tissue interference and enables automatic locking, significantly improving data reliability.



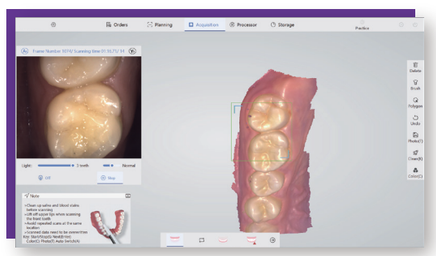
Lock Area

Select an area to lock before performing additional scans. Original scan data of the selected area can be used for the final output.



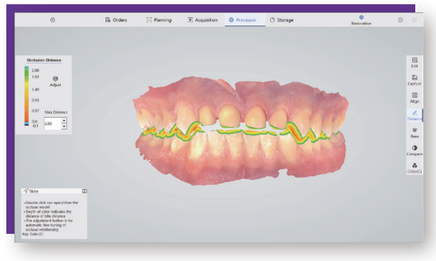
Color Switch

Switch colors with a single-click. Display true color of the jaws to restore clear details.



AI Scan

Easily identify soft and hard tissues, eliminate redundant data, and create accurate dental models.



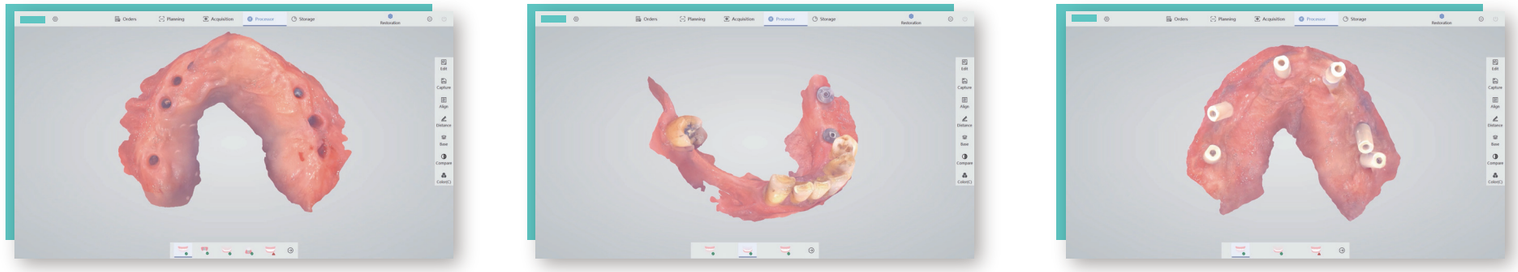
Occlusal Distance

Automatic occlusion analysis with a color heat map to indicate occlusal interferences between the upper and lower jaw, allowing for accurate judgment of restoration distance and assisting in improving the effect of tooth preparation.

APPLICATIONS

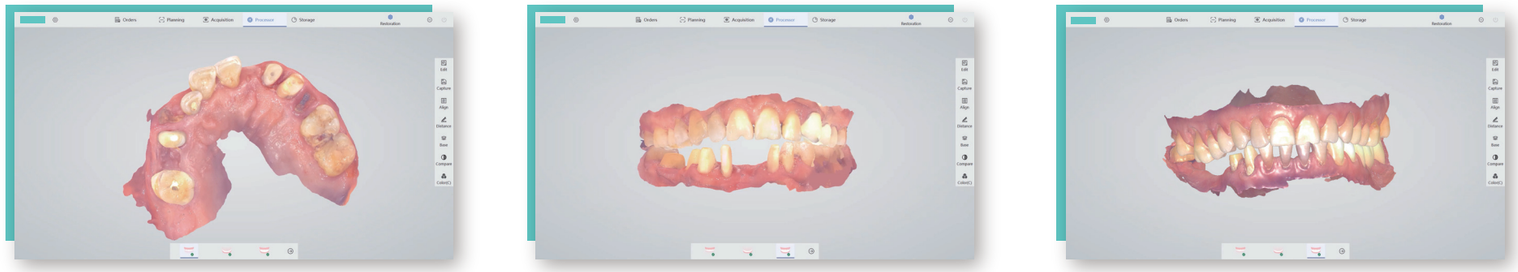
Implants

Data Acquisition → CAD – Implant Surgery Planning → 3D Guide Printing → Dental Implant → Secondary Data Acquisition → Make Dental Crowns → Fitting Crowns



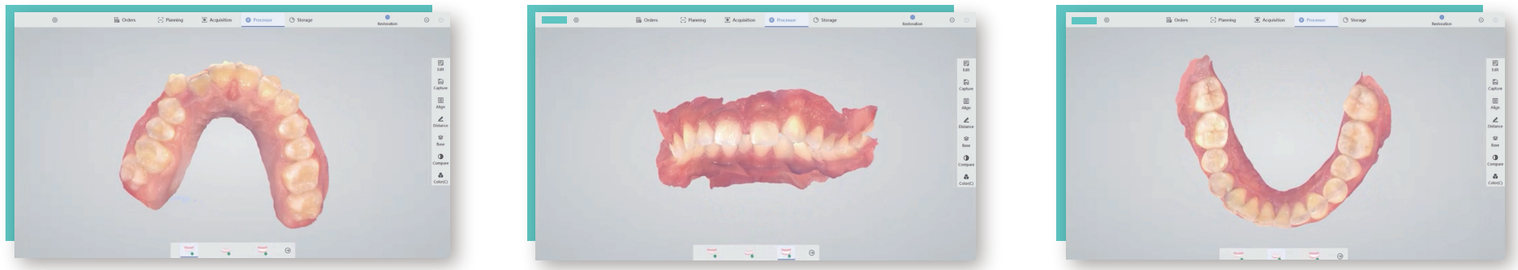
Restorations

Data Acquisition → CAD – Restoration Design → CAM– Crown Milling – Wear Crowns → Fitting Dentures



Orthodontics

Data Acquisition → CAD – Orthodontic Plan → 3D Model Printing → Make Aligners → Fitting Aligners



SPECIFICATIONS

Category	Derbarzt Scanner
Anti-Fogging System	Instant Heating Technology
Accuracy	≤7μm
Precision	≤5μm
Scanner Weight	138g (192g with cable)
Scanner Dimension	221x27x25mm
Scanner Enclosure	High-strength Aviation Aluminum Alloy
Scan Field	18x16mm
Scan Depth	0-20mm
True Color	Full HD
Tips	x6 (Autoclavable)
Tip Autoclave Cycle	50-100 Times
Data Interface	USB 3.0
Cable Length (m)	1.85m

PC REQUIREMENTS

Category	Derbarzt Scanner
CPU	Intel i7-12700H/Intel i7-11800H or above
RAM	16G/32G
Hard Disk	SSD 512G or above
GPU	RTX2060/RTX3060 or above
Operating System	Windows10/11 64bit
Display	Resolution 1920×1080 and above

SOFTWARE

Category	Derbarzt Scanner
Types of Scanning	Orthodontics, Implants, Restorations
Image Capture	Yes
3D Data Preview	Yes
Output Files	STL, PLY, PTY (encrypted for user)
Cloud Service	Yes
Cloud Service Price	5GB/free
Direct Compatibility with Dental CAD	Exocad*
Main Image Processing Tools	Trim/Edit/Recover/Lock, etc.
Margin Line Drawing	Yes
Occlusal Match	Yes
Undercut	Yes
Data Comparison	Yes
AI Technology	Auto Tissue Remove, Overlap Correct, etc.
Software License	Free
Software Upgrade	Free
Transfer Data with API	Available

Derbarzt

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2024-08_v01