Aadva™ Lab Scanner 3

The unique gesture-controlled lab scanner
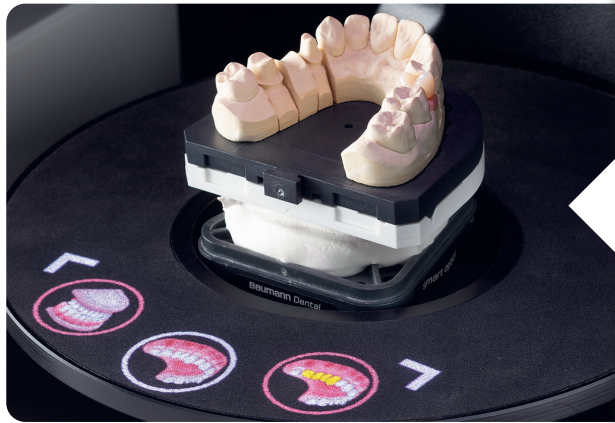
The scanner
is your
workspace!

Smile for the World

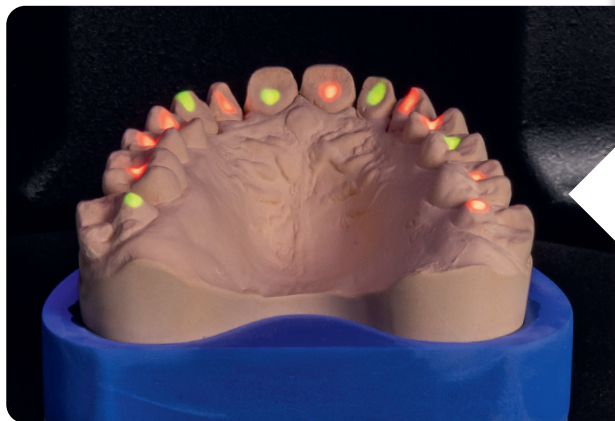**Since 1921**
100 years of Quality in Dental

GC

The scanner is your workspace!

GC introduces the Aadva Lab Scanner 3, a next generation scanner that paves the way for ingenious and practical features. This gesture-controlled dental lab scanner combines an unparalleled user experience with the speed, precision, flexibility and safety you desire in your CAD/CAM workflow.
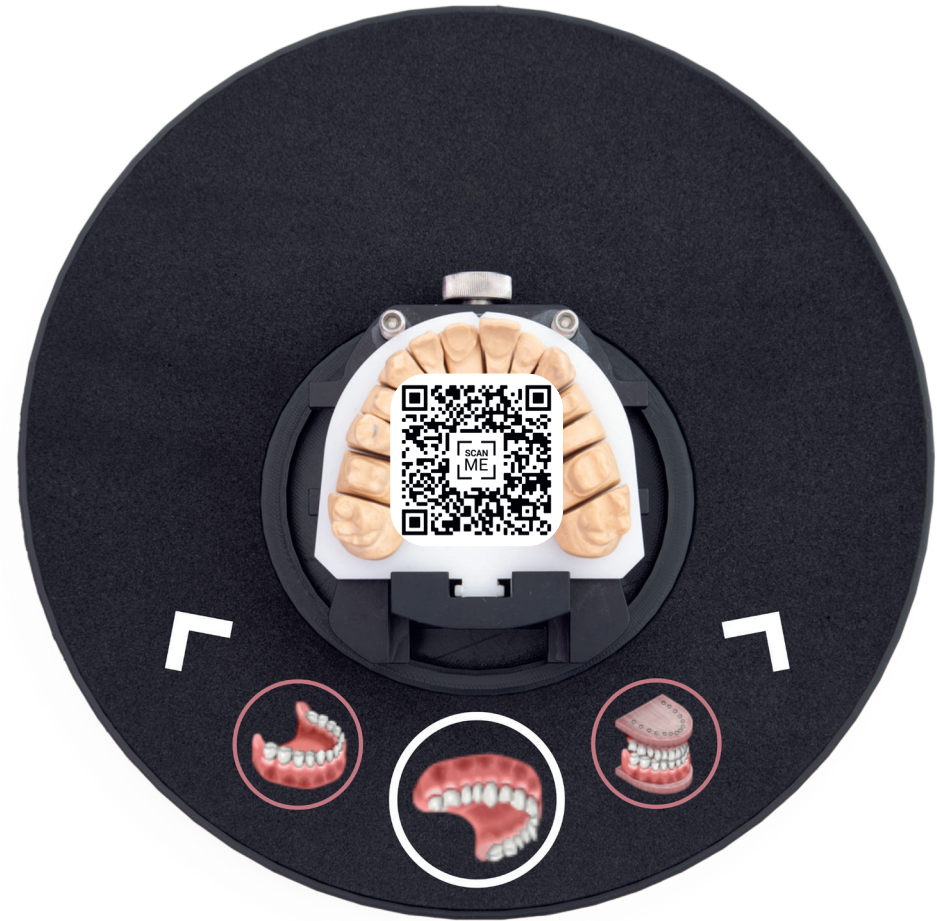
A unique user experience due to the patented projection technology
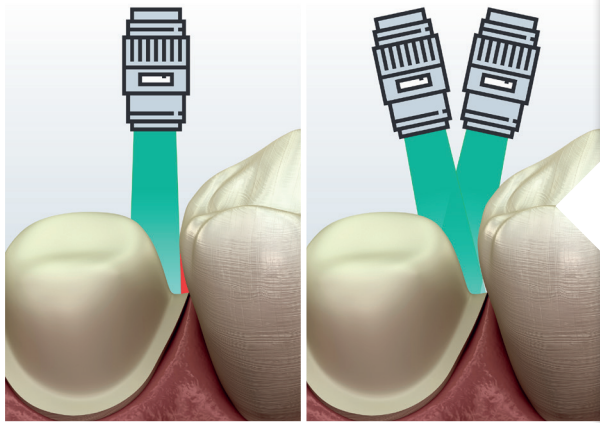

Interactive buttons on the object plate guide you through the various steps of the scanning process. No need to walk back and forth to your computer.
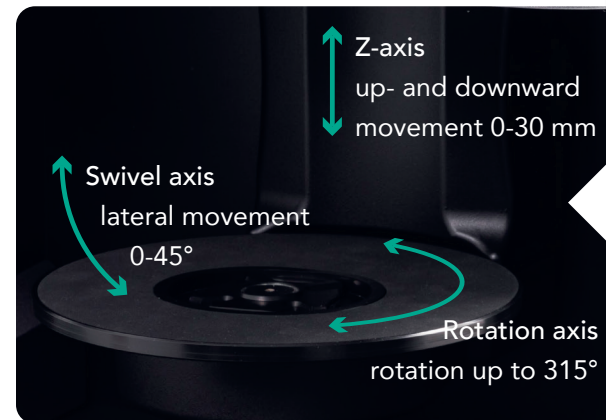

Illuminated colour spots indicate which dies need to be inserted or removed during the workflow.
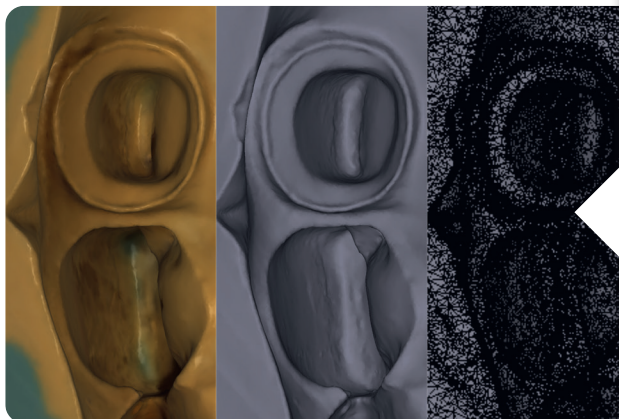
Dynamic balance between speed and precision by virtue of the angulated twin camera set-up and high-speed engines
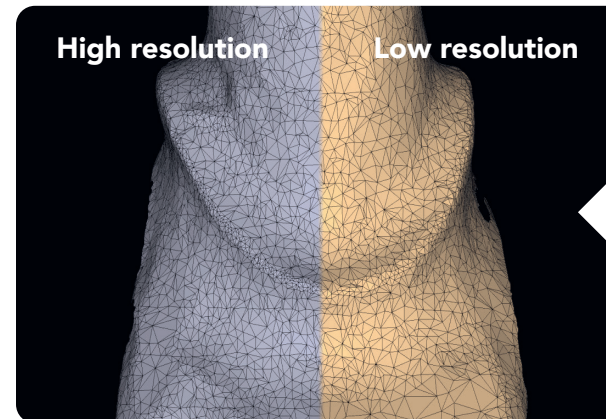

Maximised scan coverage enables the capturing of difficult accessible areas.

Z-axis up- and downward movement 0-30 mm

Swivel axis lateral movement 0-45°

Rotation axis rotation up to 315°

Rapid motor control with 25% faster operation.

Accurate high-resolution data set, even for impressions.

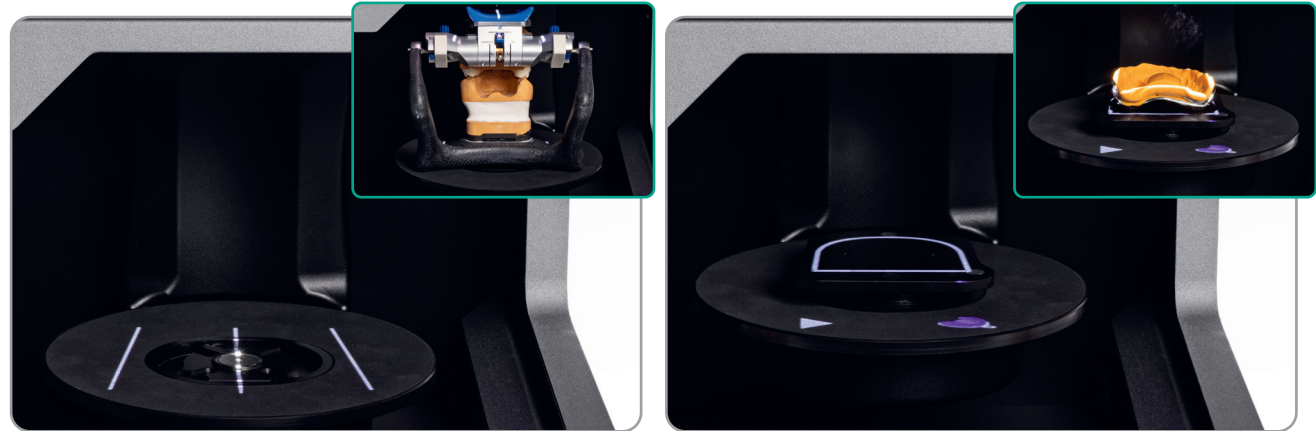High resolution   Low resolution

Set your resolution depending on the requirements of the project to optimise your scan time.

Positioning made easy with the fully automated object recognition

Fully automatic positioning of the system plate adapting to the object to be scanned

Projection of the insert position for articulators and impressions.
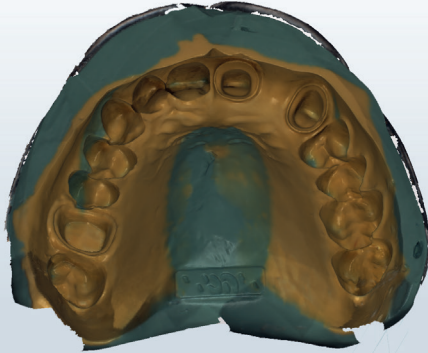
Eyesafe blue light

The safe design protects you from from blue light hazards.
The shielding construction and diffusing disc avoid the risk of eye damage potentially caused by focused light beams.
According to standards IEC 62471 and EN 62471, the safety hazard is zero.*

*Prall C, Friemel J. Dental 3D Scanner - A risk factor?. J Osseointegr 2021;13(4):S289-S292.
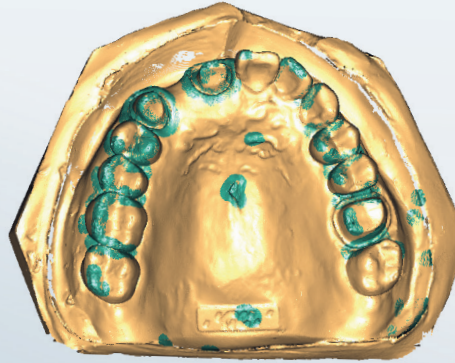
Hybrid scan technology
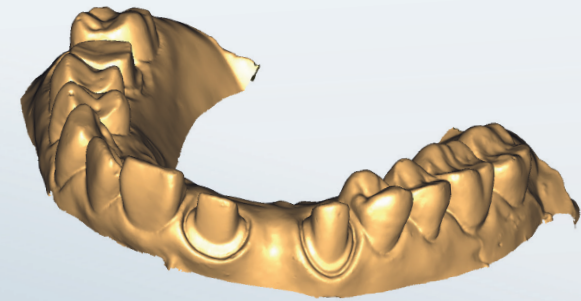
Eliminates the need for die prepping
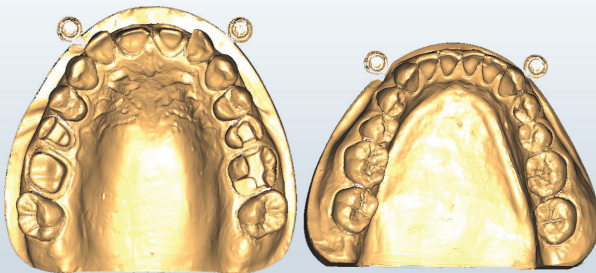

Impression scan
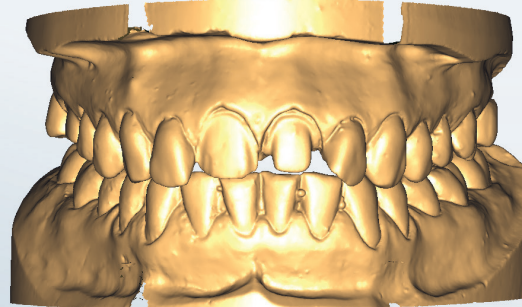

Model scan

Combined

Smart occlusion

Supersedes the need for bite scans

The impression and model scans are automatically matched, increasing the scan coverage and eliminating the need for model prepping.
The full-colour scans will also show all mark-ups on the scanned objects.
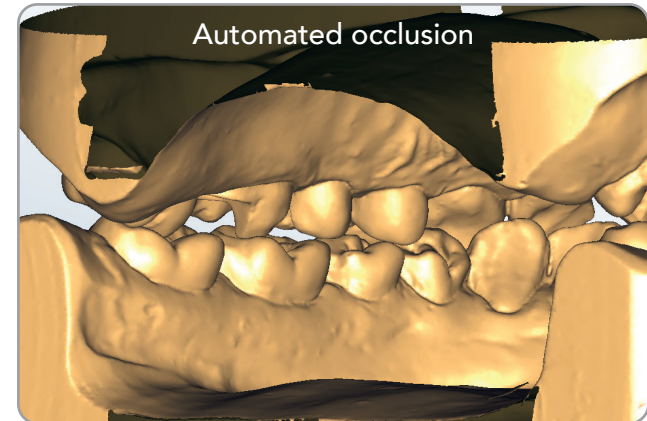

Scan upper and lower jaw

Smart occlusion function

Automated occlusion

Fit for every challenge

22 cm

XL object plate: because of the large space, positioning is facilitated and collisions are avoided.
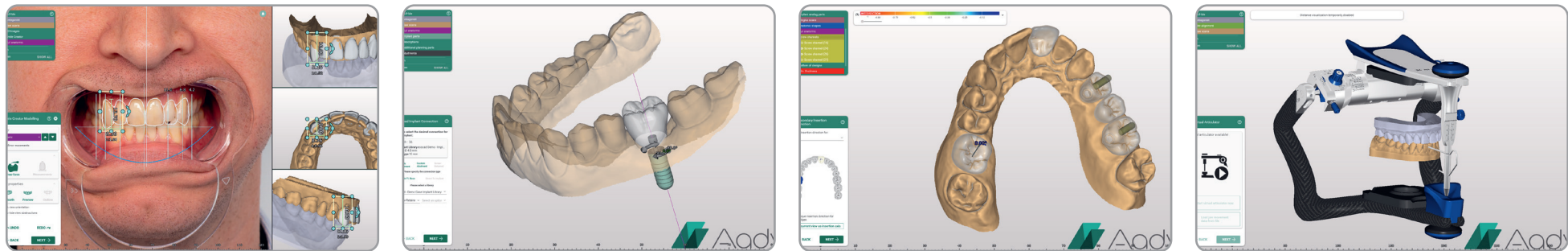
A full array of accessories

Open and flexible system, regardless of your workflow

Whether you only scan or you manage the entire CAD till CAM process, the open-source approach enables you to work with our dedicated GC Aadva CAD or your own preferred software package.

Related products

Initial™ LiSi Block
Lithium Disilicate
CAD/CAM Block

CERASMART™270
Force-absorbing hybrid ceramic
CAD/CAM Block

Initial™ LRF
Leucite reinforced glass ceramic
CAD/CAM block

Initial™ Zirconia Disk
Zirconia
CAD/CAM disk

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Specifications

Specifications	Low res	High res
Sensor	Angulated twin camera	
Resolution[1]	1.6 MP | 3.2 MP	3.2 MP | 6.4 MP
Technology	Blue LED striped light projector	
Scanning software	AadvaScan	
Z-axis	Fully automatic	
Measuring field (X × Y × Z in mm)	80 × 60 × 82	88 × 63 × 82
Gesture control	yes	
Touchscreen	no	
Design software[2]	AadvaCAD	
Data formats	Open .stl & .ply export	
Accuracy (according to ISO 12836)	4 µm	
Scan time[3] complete jaw	12	12
Scan time[3] single tooth	25	26
Scan time[3] 3-unit bridge	40	45

[1] 1 or 2 cameras in Low Res or 1 or 2 cameras in High Res; [2] Preferred software; [3] Scanning speed in LR mode and HR mode.
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Order nr. 10007574

Content ALS3 Scanner & AadvaScan software

Standard accessories
- Object holder with screw
- 3D calibration model
- Software Installation package
- 1x USB 3.0 Cable
- 1x Power Cord (E+F)

Spare parts and accessories
- MultiDie Adaptor
- Triple Tray Impression Adaptor
- 3D calibration model
- Flexible object holder and four teeth bar, with adhesive pads
- Adapter plate AdessoSplit to Gamma, SAM, KaVo Protar and Whip Mix
- Occlusion clip for upper and lower jaw
- Dust cover ALS 3
- Object holder with screw

Z L LF EN 21 18