

ENGLISH

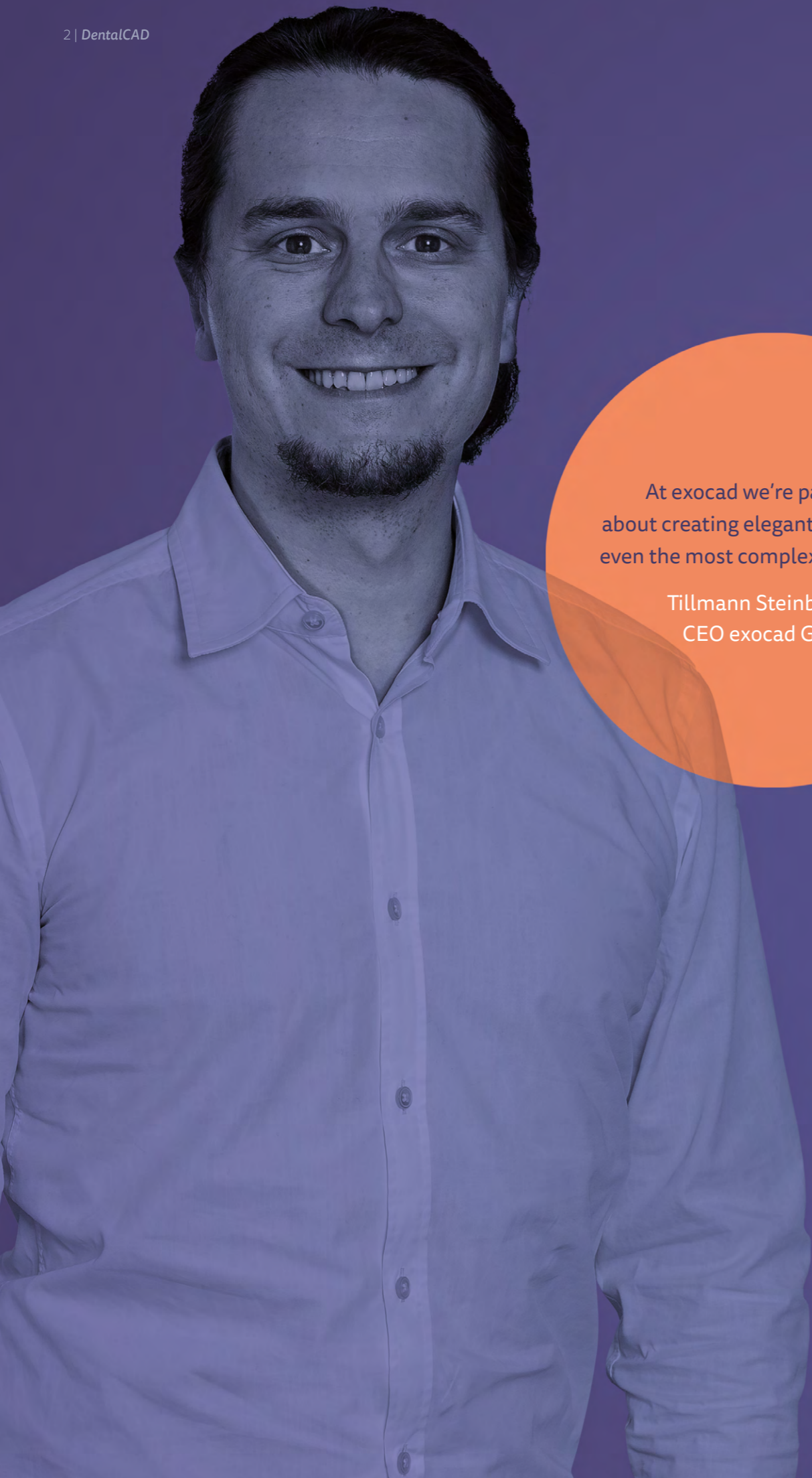


DentalCAD

BOOST YOUR
CAD DESIGN
PRODUCTIVITY



exocad



At exocad we're passionate about creating elegant tools to solve even the most complex cases simply.

Tillmann Steinbrecher
CEO exocad GmbH

OUR THREE CORE VALUES ARE
**FREEDOM,
PASSION AND
INNOVATION.**

Powerful CAD solution for dental professionals

exocad's DentalCAD is the leading OEM-branded dental CAD software: great for new users and even more powerful in the hands of an expert.

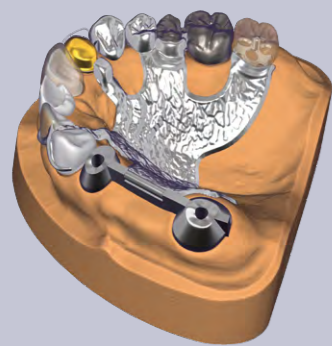
Simplify the communication process between labs and dentists with our CAD software. exocad's DentalCAD is known for its seamless workflows and ease of use for everyone!

To make DentalCAD as powerful as possible, our engineers draw from the latest research on organic modeling and stay in close conversation with our most important stakeholders – you! The robust technology we create in answer to your needs streamlines even the most complex cases.



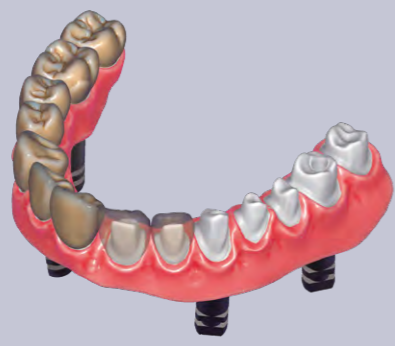
Restorative dentistry is an art and a science

From quick volume production to the most customized solutions – everything is possible with DentalCAD.



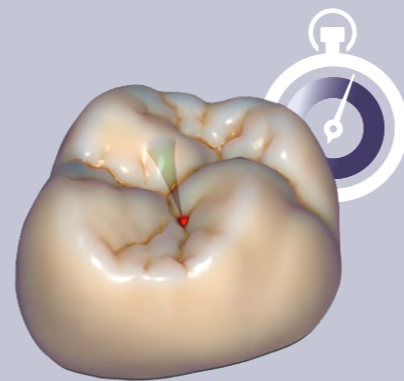
Versatile applications

Design a broad range of dental restorations: crowns, bridges, copings, veneers, inlays, onlays, pontics, provisionals, removables and dental appliances.



Robust computing

Enjoy the ease of working with software that operates reliably and processes large data volumes swiftly.



Adapts to your needs

DentalCAD adapts easily to individual needs and workflows.



Open and integrated

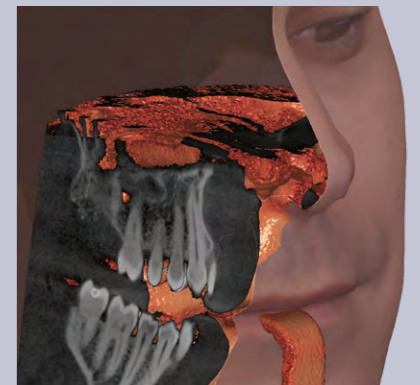
DentalCAD's open software structure works with most scanners, 3D printers and milling machines. You also have access to open libraries of materials from leading manufacturers and generics.



Wizard

Guided workflows

The wizard-guided workflow guides you through every step of the dental restoration and production process. In expert mode, personalize settings and access extensive supplementary features and tools.



Easily combine sources

Combine virtually any open data sources relevant to your case: intraoral and model scans, 3D face scans, jaw motion data, DICOM files and patient photos.

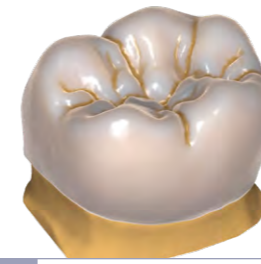
RESEARCH DRIVES OUR INNOVATION.

exocad users rely on our software's cutting-edge functionality and robustness. We design with you in mind.

Maik Gerth
CTO exocad GmbH

The core version

Explore *DentalCAD's* fast and flexible core version with its intuitive user interface, extensive functions and open tooth and material libraries. Simplify the design of esthetic and functional dental restorations.



Anatomic crowns

Design beautiful and functional crowns with minimal effort. Multiple high-quality tooth libraries included.



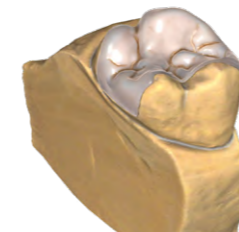
Anatomic/
simple copings

Inspired by the full anatomy, take advantage of cutback options to create optimal copings.



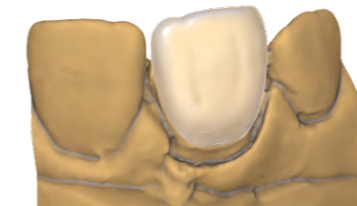
Attachments

Tap into an extensive library to add or remove attachment shapes to your design.



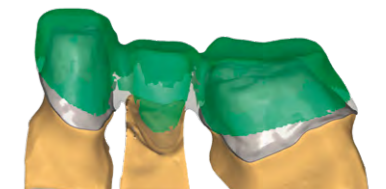
Inlays/onlays

Create beautiful, natural-looking inlay and onlay restorations.



Veneers

Achieve beautiful results with just a few mouse clicks and inspiration from the tooth libraries.



Waxups

Scan, edit and copy-mill handmade waxups or create waxups digitally.



Bridges

Design full-contour bridges and frameworks including inlay, cantilever and Maryland bridges.



Telescopic crowns

Experience maximum flexibility when designing telescopic crowns.



For more videos, information or contact details, visit [exocad.com/dentalcad](https://www.exocad.com/dentalcad) or simply scan the QR code.

DentalCAD's add-on modules

With *DentalCAD*, the sky's the limit! Explore some of the applications of *DentalCAD*'s core version and modules. *DentalCAD*'s add-on modules let you easily tailor services to meet your needs. Here you can explore all the functionalities available to you as add-on modules.

Models

Models from digital scans	<i>Model Creator</i>
Diagnostic models (models with designs included)	<i>Model Creator</i>
Models with implant analogs	<i>Model Creator/Implant Module</i>
Removable dies	<i>Model Creator</i>
Attachments	<i>Model Creator</i>
Text labels	<i>Model Creator</i>

Removables

Night guards	<i>Bite Splint Module/Virtual Articulator</i>
Substructure on bar	<i>Denture Module, Bar Module or PartialCAD Module</i>
Try-in smile	<i>Smile Creator</i>
Partial dentures	<i>PartialCAD</i>
Full dentures	<i>FullDenture Module</i>

Implantology

Screw-retained crowns and bridges	<i>Implant Module</i>
Custom abutments	<i>Implant Module</i>
Implant restoration	<i>Implant Module</i>
Bars, hybrid/implant framework	<i>Bar Module/Implant Module</i>
Models with implant analogs	<i>Model Creator/Implant Module</i>

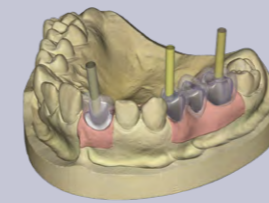
Extended Features

Eggshell provisional crowns and bridges	<i>Provisional Module</i>
Realistic visual rendering of proposed restoration	<i>TruSmile Module</i>
Simulate articulator movements and dynamic occlusion	<i>Virtual Articulator</i>
Import jaw measurements	<i>Jaw Motion Import</i>
Jaw movement simulations	<i>Jaw Motion Import</i>
Visualize CBCT data	<i>DICOM Viewer</i>
Extensive selection of teeth models	<i>Tooth Library</i>

Cosmetic Dentistry

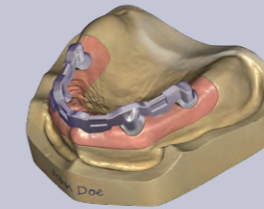
Smile design setups	<i>Smile Creator/TruSmile Module</i>
Mock-up models (models with designs included)	<i>Model Creator</i>

You have a need.
We have the answer.



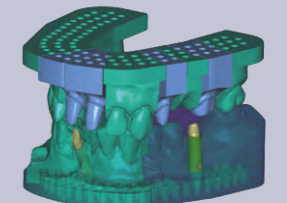
Implant Module ● 11

Create abutments and screw-retained designs.



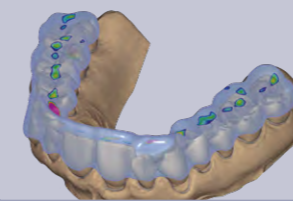
Bar Module ● 12

Advanced bar design for both standard and complex bars.



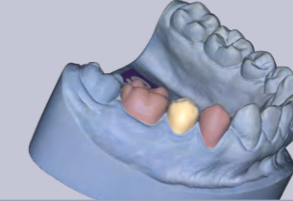
Model Creator ● 13

Create physical models from digital impression scans.



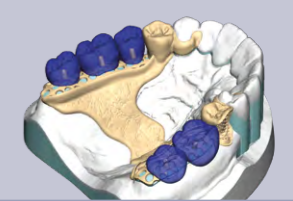
Bite Splint Module ● 14

Design night guards, bite splints and tabletop structures.



Provisional Module ● 15

Create eggshell temporaries based on pre-op scans.



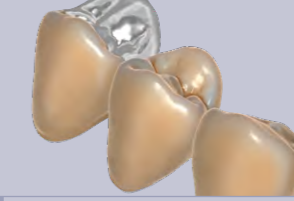
PartialCAD ● 16

Design removable partial denture frameworks.



FullDenture Module ● 17

Digital design of full dentures and single-arch dentures.



Tru TruSmile Module ● 18

Realistic rendering of dental restorations.



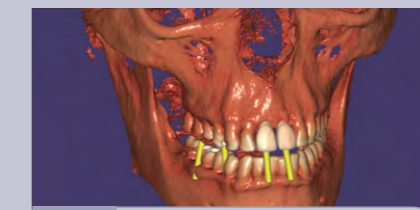
Virtual Articulator ● 19

Simulate jaw movement and analyze dynamic occlusion.



Jaw Motion Import ● 20

Import real movements from jaw measurements or digital facebow data.



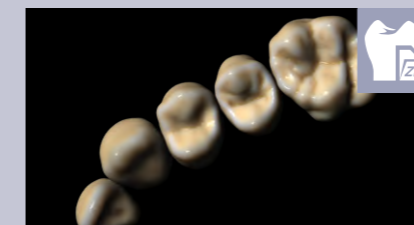
DICOM Viewer ● 21

Visualize voxel CT data during the design process.



Smile Creator ● 22

Next-generation smile design: the best of 2D and 3D.



Tooth Library ● 23

Extensive library of beautiful, natural teeth.

Available bundles:

- Advanced Lab Bundle
- Implant Lab Bundle
- Ultimate Lab Bundle



Learn more on YouTube

On our channel, you'll find stunning technology previews, useful video tutorials and informative quick guides to help you become an exocad expert: [videos.exocad.com](https://www.youtube.com/exocad)



Implant Module

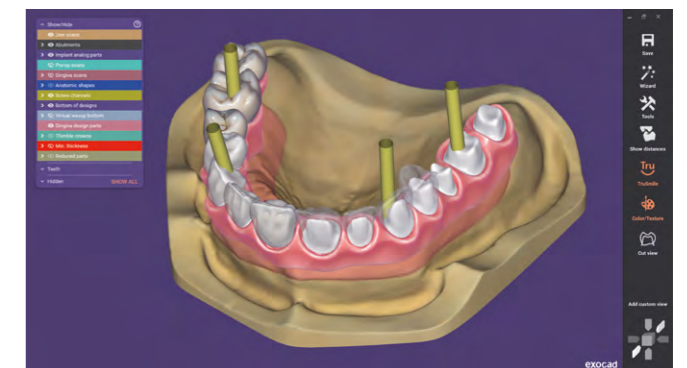
Design implant-based restorations

With *Implant Module*, directly design screw-retained crowns, bridges and copings.

- Create abutments and suprastructures in one single CAD session, including full support of angulated screw channels
- Mill in-house on a wide range of milling systems or send out easy-to-use files to leading production centers



Flexible design options for various types of implant-based restorations



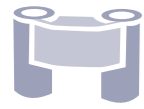
Advanced implant bridge design

A huge selection of implant libraries

exocad's *Implant Module* comes with an extensive set of implant libraries and supports a vast selection of implant systems. You can choose from a wide range of titanium bases from third-party manufacturers. And many milling centers provide dedicated libraries for exocad's *Implant Module*.

Implant Module is 510(k) pending and not available in the US. Please contact your local exocad reseller for current product assortment and availability.

[exocad.com/library-integration](https://www.exocad.com/library-integration)

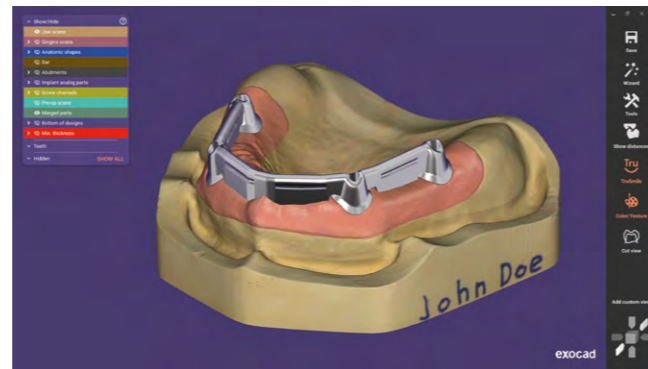


Bar Module

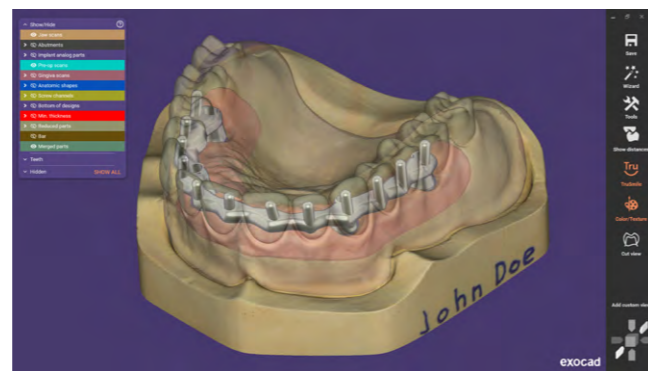
Advanced bar design

exocad's Bar Module enables the efficient design of a wide range of dental bars, from standard to more complex cases, providing maximum patient comfort in minimal time.

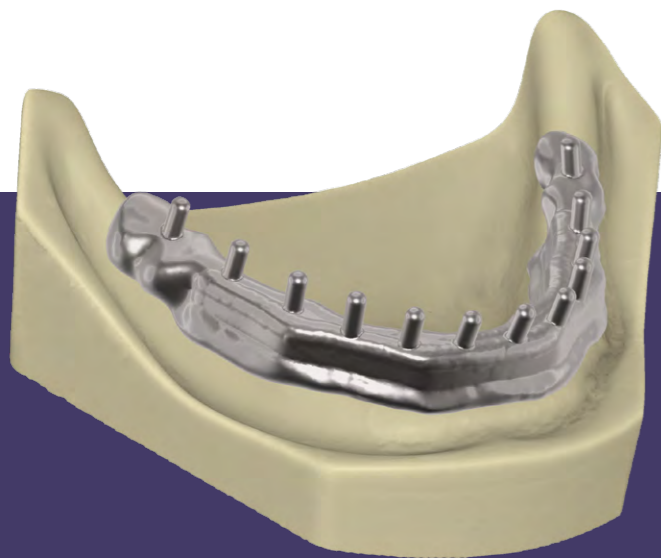
- The Bar's design accommodates the shape and position of full anatomical restorations
- Simply add attachments or retentions to the design; cylindrical holes or varying geometric shapes can be cut out to bolt or glue prefabricated attachments to the bar
- Select from an extensive library of predefined, editable bar profiles to efficiently meet patients' expectations



Bar with attachments



Bar with retentions

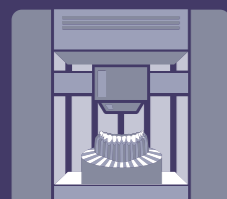


Secondary structure with retentions



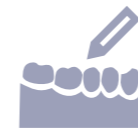
Fast design of standard bars

Extreme accuracy



Producing bars with optimal fitting requires an ultraprecise scanning system. Our software features workflow integration with high-precision measurement devices, including tactile scanners, to ensure high process reliability. Thanks to our collaboration with leading CAM vendors, you can expect precision and process reliability during production.

Your freedom of choice: exocad.com/scanner



Model Creator

Scan and create physical models

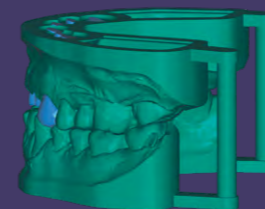
exocad's Model Creator creates physical models from intraoral scan data or impression scans.

- Design models with detachable segments that use premanufactured bases and monolithic models where the prepared die is either removable or a separate check die
- Create models with lab analogs and removable gingiva masks

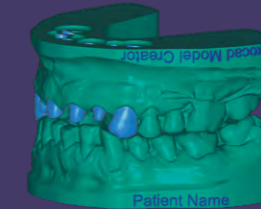
ALSO AVAILABLE AS
**STANDALONE
VERSION**



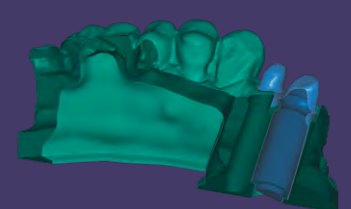
One add-on module – many possibilities



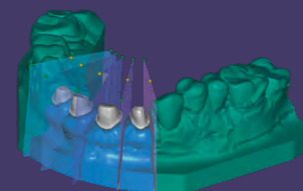
Full-arch, upper and lower models



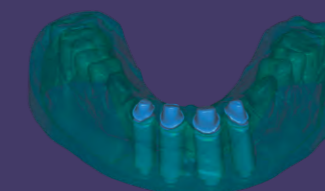
Model labeling



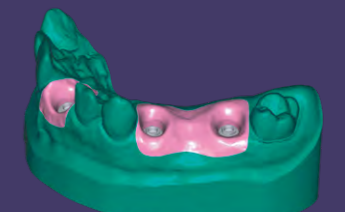
Hollow models allow for extremely cost-efficient printing



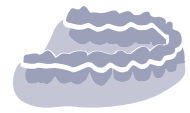
Model with detachable segments



Different model/die styles available



Create models with implant analogs



Bite Splint Module

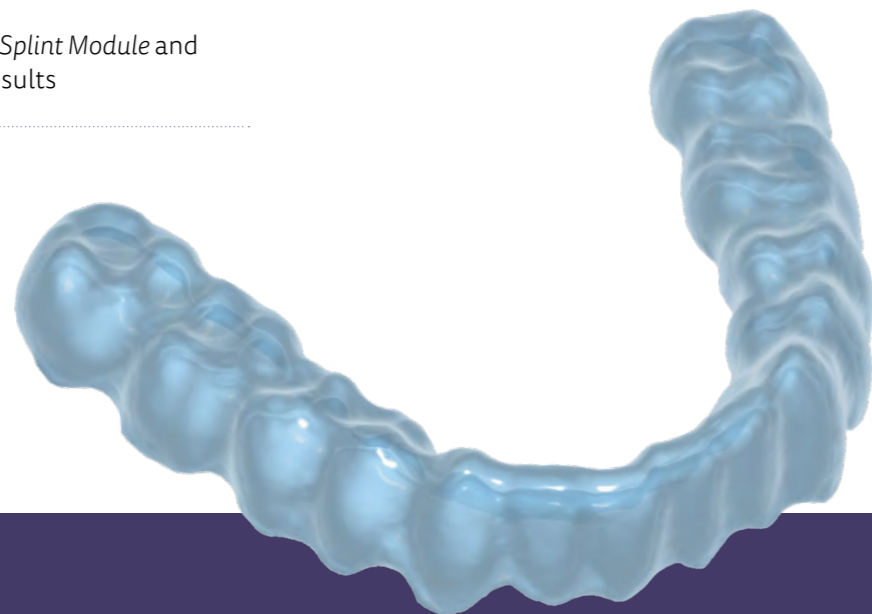
Design **night guards**

exocad's *Bite Splint Module* lets you rapidly design high-quality therapeutic night guards in just a few steps.

User-friendly customization tools and intuitive workflows guide you through the design process, making bite splint production efficient and profitable.

- Adjust occlusion and remove undesirable interferences virtually
- Smooth and morph the surface of night guards individually or select the option for automatic flattening of the posterior occlusal surface
- Use a combination of both *Bite Splint Module* and *Virtual Articulator* for optimal results

- Instant Anatomic Morphing vastly improves the available options for the anatomic tooth placement and contains several new tools for faster and better placement of the anatomical shapes
- Design anatomic bite splints with anatomical tooth shapes and tabletops



ALSO AVAILABLE AS
**STANDALONE
VERSION**

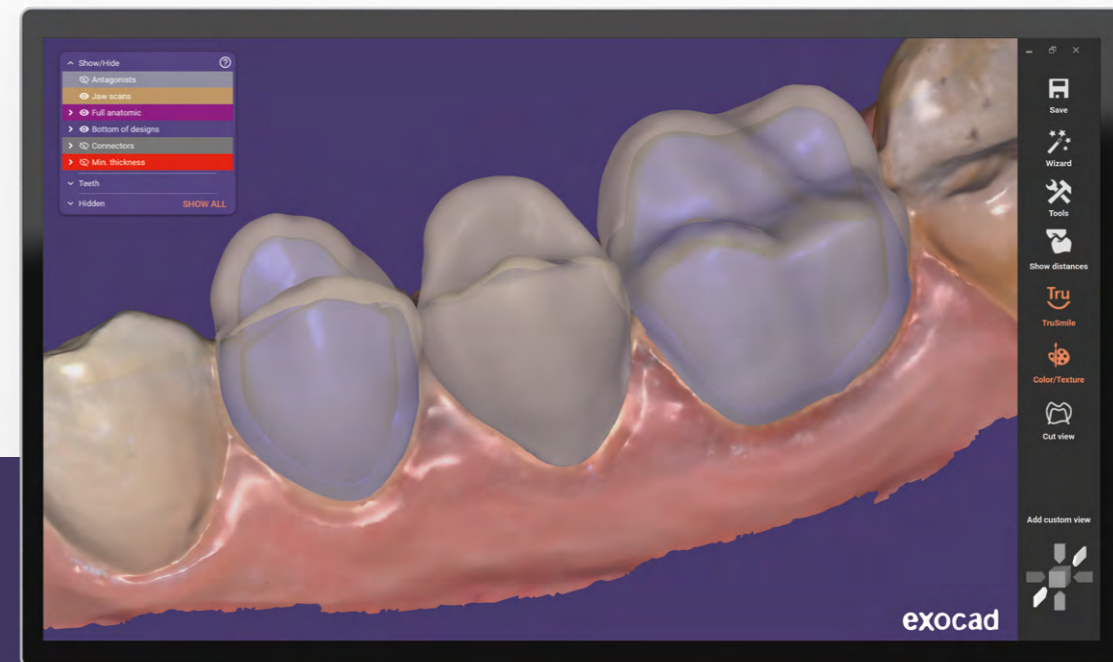


Provisional Module

Create **temporaries** from scans

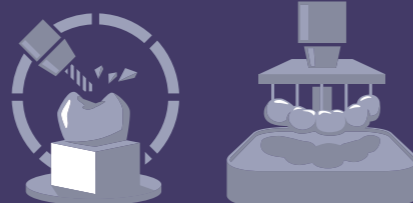
Produce temporary crowns and bridges using the eggshell technique prior to a patient's visit.

- Create temporaries based on a patient's preoperative anatomy
- Create provisional crowns or bridges by using the tooth library and fine-tune using an extensive selection of free-forming tools
- Clinically evaluate new tooth morphologies within the module, reducing chair time



Single-visit solutions

Provide patients with solutions on the same day using exocad's open architecture. Fabricate custom-designed therapeutic night guards directly on any compatible, open milling machine or 3D printer.





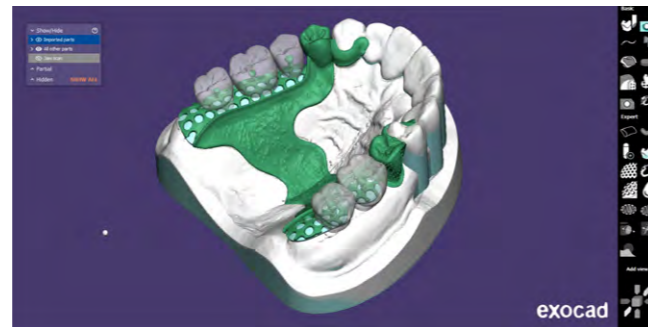
PartialCAD

Partial denture design made easy

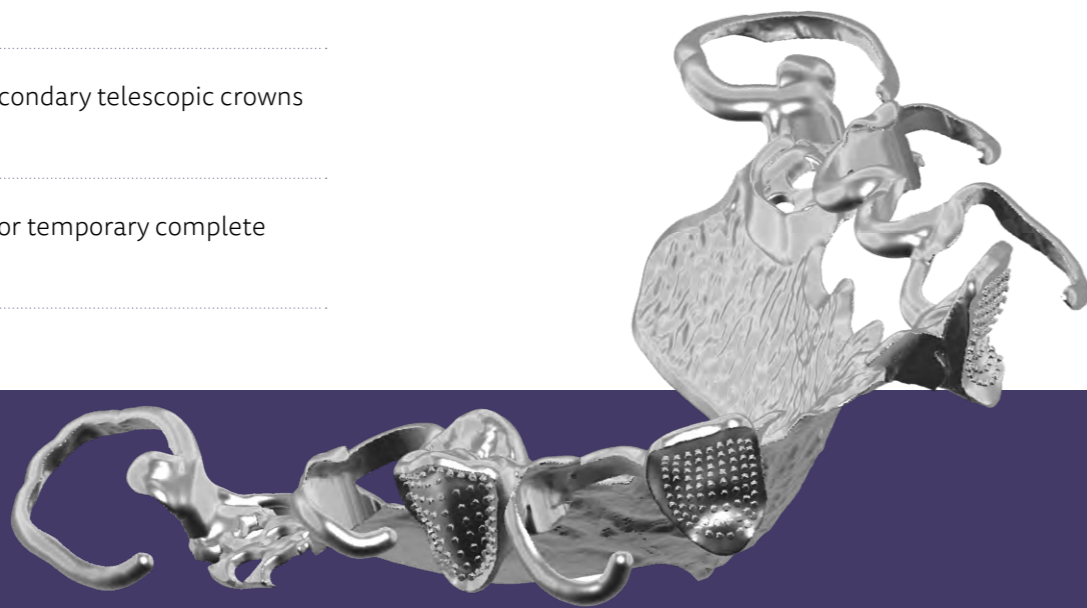
ALSO AVAILABLE AS STANDALONE VERSION

The partial framework module *PartialCAD* provides a digital solution for designing high-quality removable partial denture frameworks.

- Apply advanced design and customization features for meshes, major connectors, clasps, lingual aprons and finish lines
- Experience high design flexibility for clasps, post design with retention and auto-relief for optimal fit
- Combine partial frameworks with crown-and-bridge design elements, create support bars for printing, and import parts like attachments and retention posts
- Unique reverse planning with exportable tooth and gingiva
- Possibility to combine secondary telescopic crowns with partial framework
- Design flipper dentures for temporary complete acrylic restorations



Set up teeth in exocad's DentalCAD and combine them with the framework



Outstanding design flexibility

Everything that can be made in wax can also be designed using our software. *PartialCAD* provides unparalleled design freedom, exceeding the expectations of even the most demanding experts in partial design.



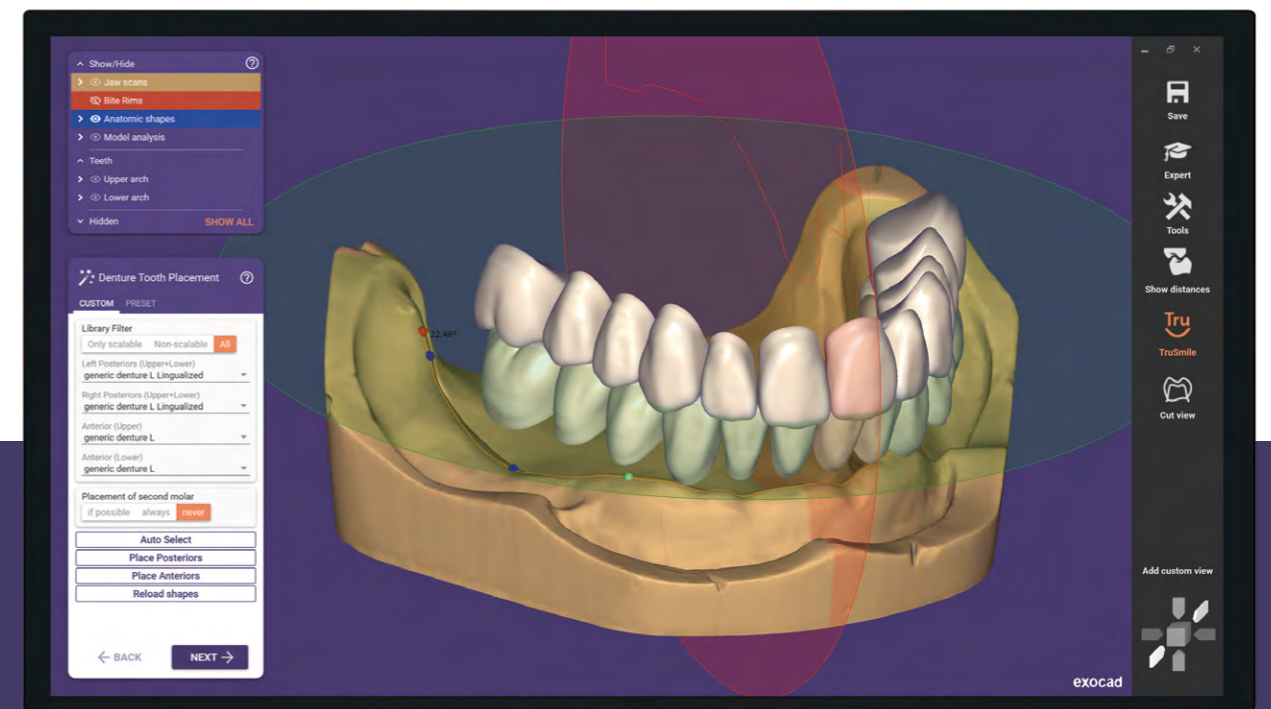
FullDenture Module

Digital design of full dentures

ALSO AVAILABLE AS STANDALONE VERSION

Our *FullDenture Module* provides a guided workflow for designing highly esthetic full dentures, in single or both jaws.

- Perform model analysis digitally to derive automatic full-arch tooth setup suggestions
- Use your choice of production process: two-step milling, printed denture bases or monolithic printed dentures (for example with try-ins)
- Significantly less time for optimal denture setups with exocad generic presets or personal presets

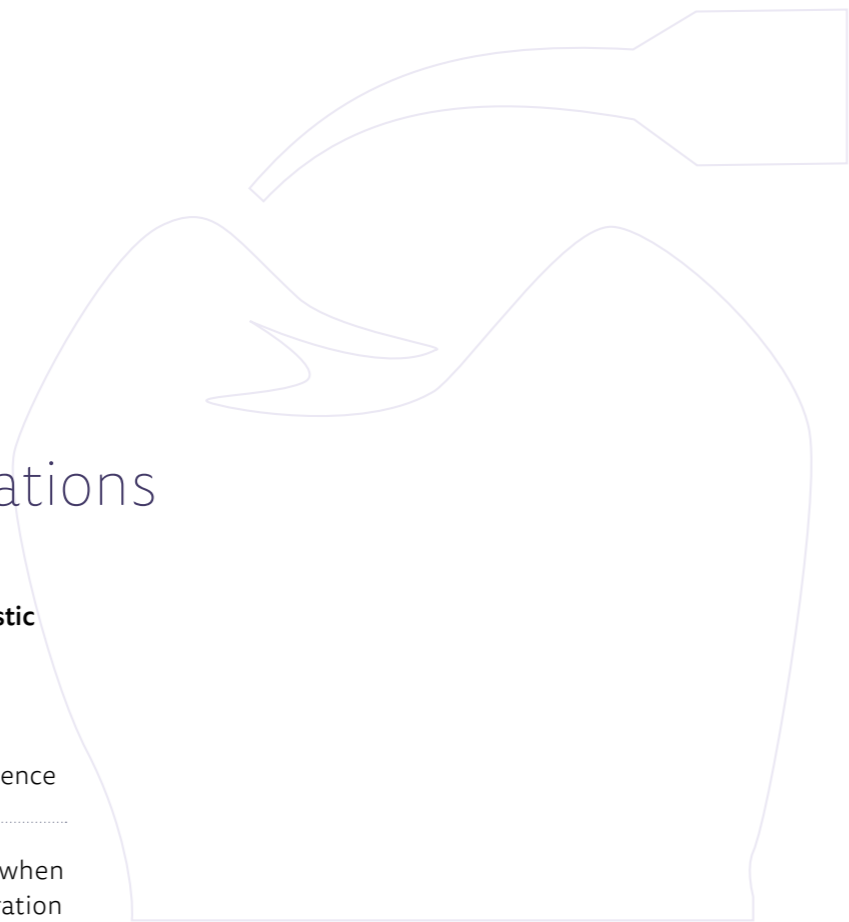


Automatically suggested tooth setup



TruSmile Module

Realistic rendering of dental restorations

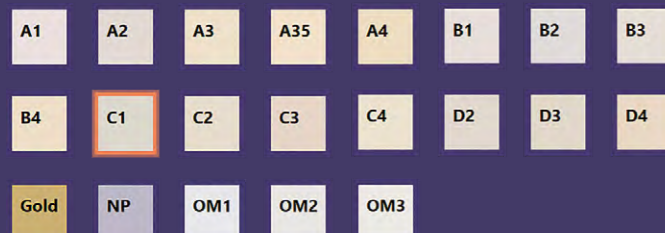


exocad's *TruSmile Module* provides near photo-realistic rendering of dental restorations in realtime during the design process.

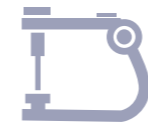
- Provides 'what you see is what you get' user experience
- Offers patients a helpful vision of the end result when choosing, for example, between a ceramic restoration and a metal crown



Natural coloring



Choose from single-tooth standard color presets for a realistic result preview.



Virtual Articulator

Simulate jaw movement and consider dynamic occlusion

exocad's *Virtual Articulator* allows you to consider dynamic occlusion when designing any restoration with occlusion.

- Position stone models within the physical articulator and precisely transfer into the software using a virtual articulation-supporting scanner to achieve perfect individual results
- Adjust parameters such as condylar angle, Bennett angle and immediate side shift just like in a physical articulator
- Import jaw motion data from third-party measurement devices
- Combine *Virtual Articulator* with *Jaw Motion Import* for a digital facebow setup



Many models



Different articulator types are available with automatic occlusion adjustment.

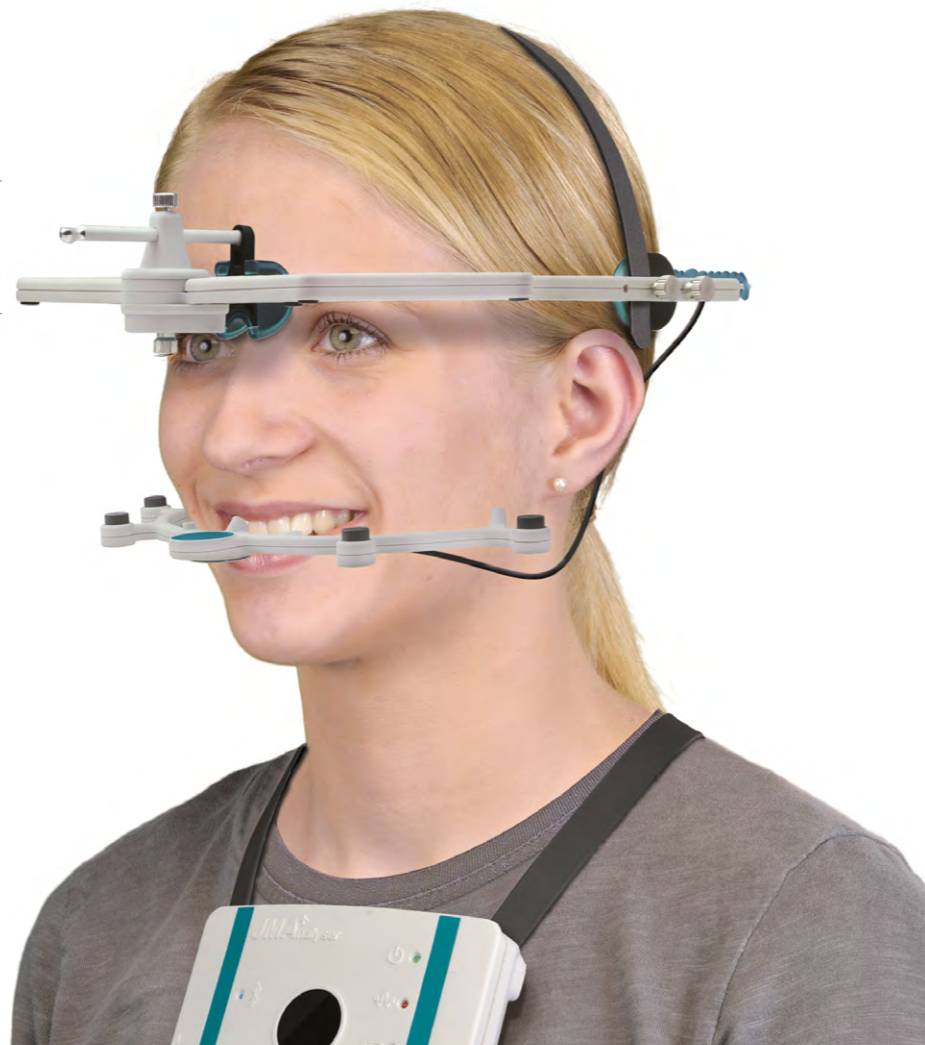
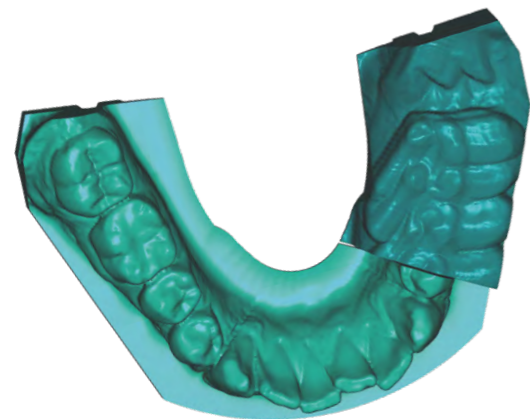


Jaw Motion Import

Import jaw measurements

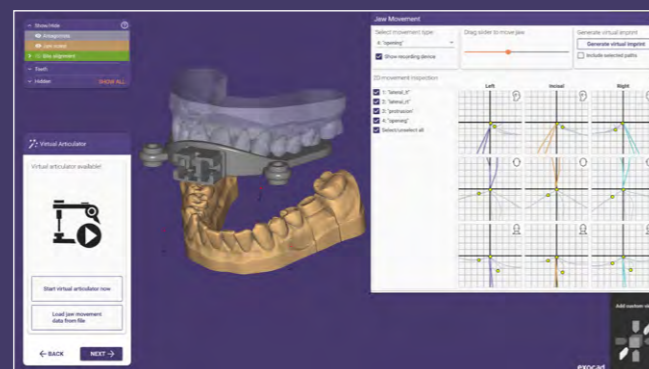
Jaw Motion Import transfers jaw movement registration data from external devices such as the JMA system from Zebris.

- Works in combination with *Virtual Articulator*
- Combine with *Model Creator* to create innovative, semi-dynamic physical models at an expert level



Realistic representation

Transfer patients' actual, dynamic jaw movements into the software. Simulate during the design process and create custom-fit restorations.

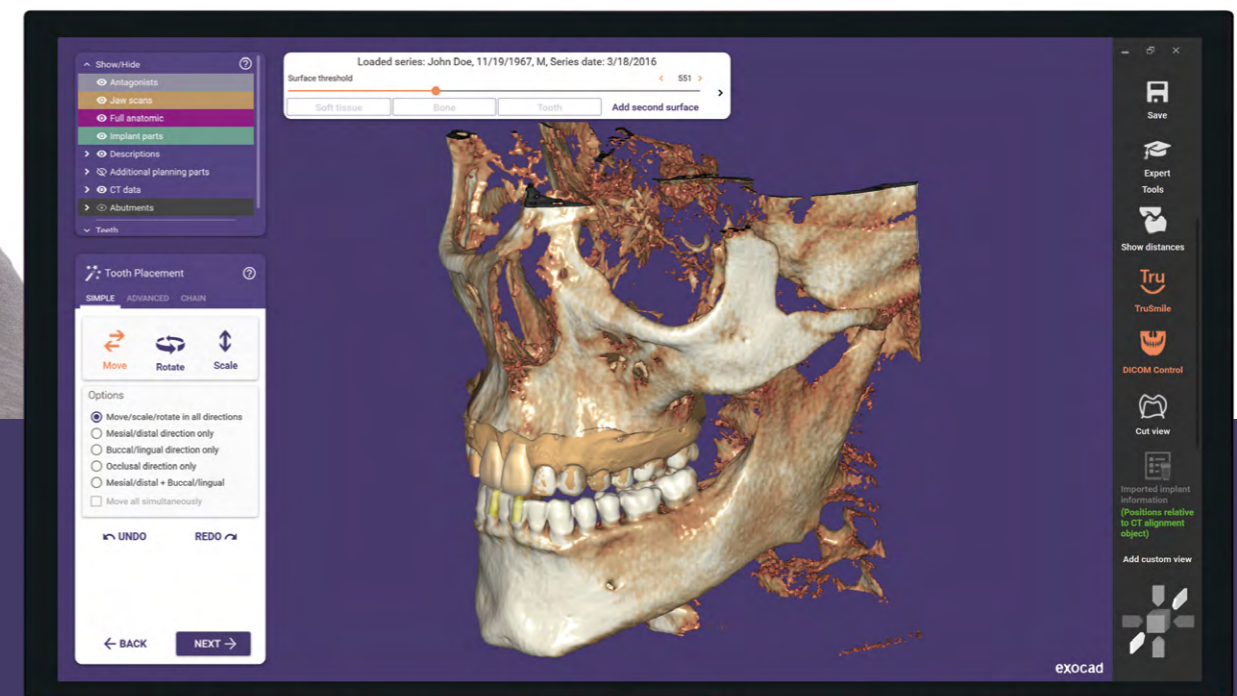
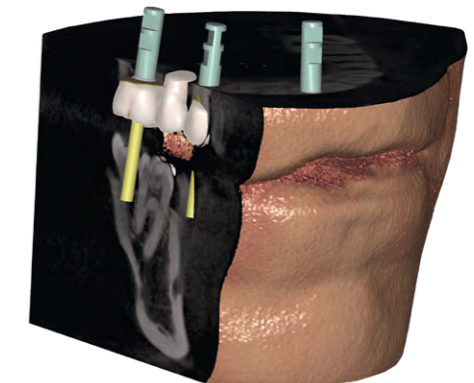


DICOM Viewer

Visualize DICOM data during the design process

exocad's *DentalCAD* platform includes an optional *DICOM Viewer** that creates visualizations of voxel data from CT machines during the design of dental restorations.

- Process large CBCT files quickly and efficiently
- Experience the *DICOM Viewer*'s market-leading DICOM loading and visualization speeds, driven by optimized data-handling algorithms and snappy graphics rendering



**DICOM Viewer* is not for diagnostic/medical purposes.

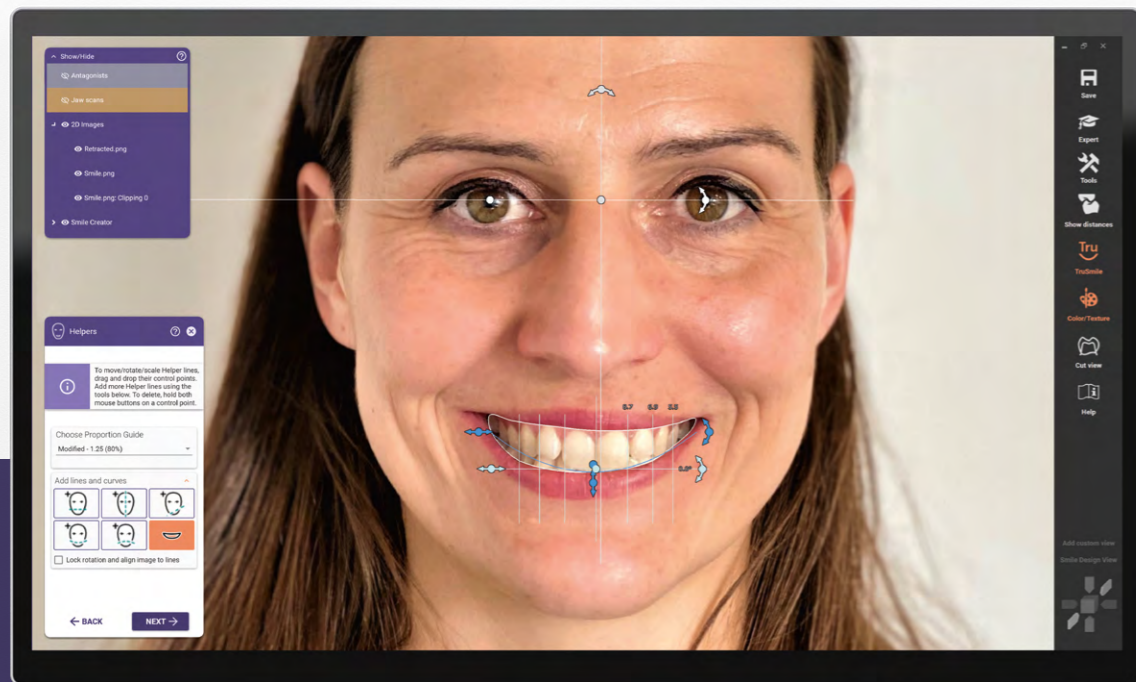


Smile Creator

In-CAD smile design

See realistic renderings of restorative treatment plans and get greater control over outcomes with *Smile Creator* – exocad’s innovative in-CAD smile design solution for predictable, esthetic smile makeovers.

- Combine patient photos, outlines and 3D situations to evaluate esthetic relationships between teeth, smile and the face
- Automatically convert patient photos to 3D objects and then match to 3D scans of the teeth
- Artificial intelligence detects facial features
- Mock-up tooth setups improve patient communication



Perfect foundation for prosthetic execution

With *Smile Creator*, obtain a real 3D tooth setup as the perfect foundation for later prosthetic implementation with *DentalCAD* as well as implant planning with *exoplan*. Create digital waxup models with exocad’s *Model Creator*.

ALSO AVAILABLE AS STANDALONE VERSION



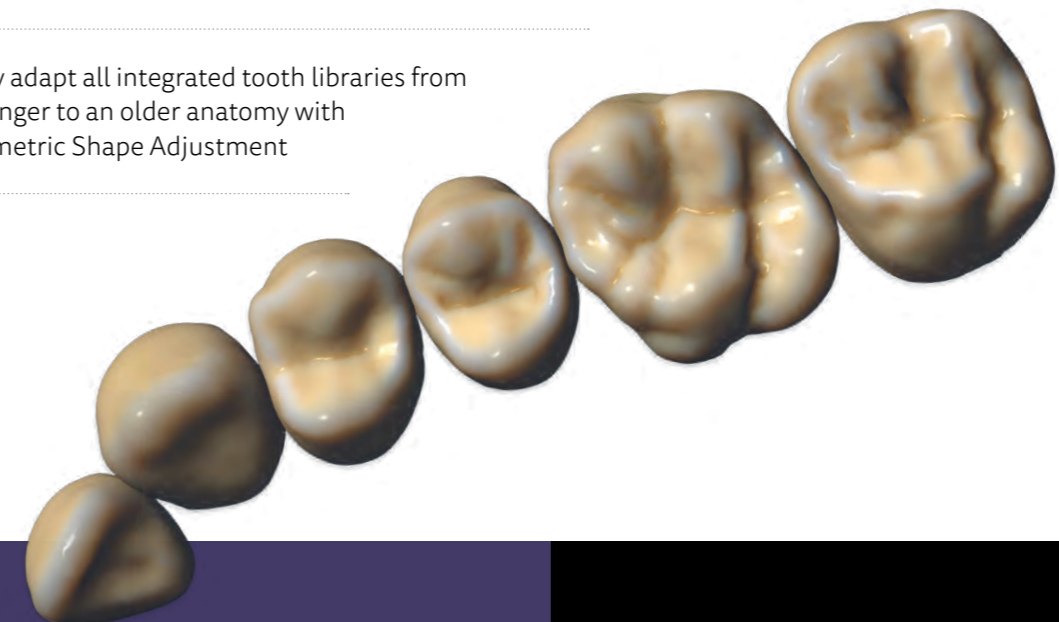
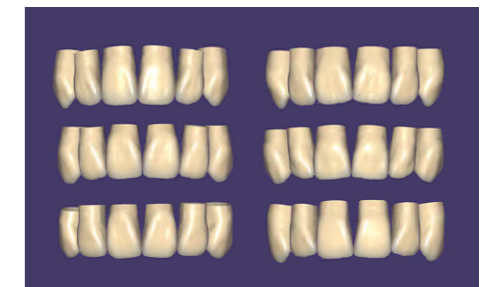
Tooth Library

Extensive library of beautiful, natural teeth

INCLUDING 118 SETS

Get inspired by exocad’s *DentalCAD* tooth libraries.

- The extensive library of beautiful, natural teeth includes 61 sets of upper-arch anterior teeth, 19 sets of lower-jaw anterior teeth and 19 sets of upper- and 19 sets lower-arch posteriors
- Make adjustments to predefined teeth for maximum flexibility
- All library teeth are fully anatomical and reproduced according to natural morphologies for optimum results
- Easily adapt all integrated tooth libraries from a younger to an older anatomy with Parametric Shape Adjustment



Comprehensive content

The ZRS library includes tooth shapes based on the ‘Anteriores’ collection by Dr. Jan Hajtó.

To assist technicians using the library, a full-color book, poster and models for each set of teeth are available from third parties.





exocad

State-of-the-art CAM technology

Perfect integration, outstanding results – exocad makes milling simpler than ever.

With exocad, even novice users can take advantage of state-of-the-art CAM technology. Seamlessly integrated into our CAD software products, exocad provides you with everything for a smooth workflow in the daily operation of a dental lab.



Supports production using premill/preform abutment libraries

Supports different preform holders

Multilayered blank support

Visualize multilayer blanks realistically during the CAD design process with our TruSmile technology

ALSO AVAILABLE AS STANDALONE VERSION



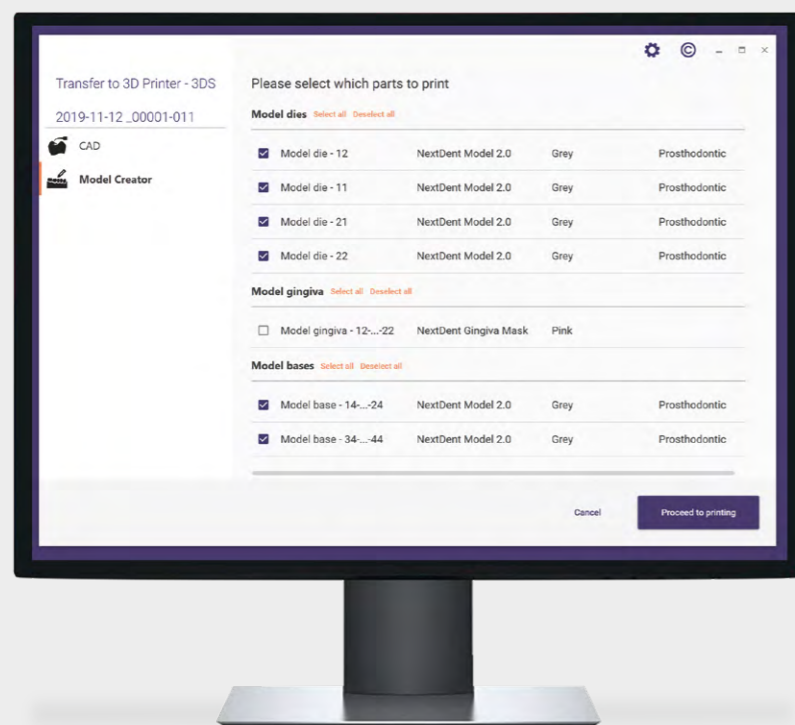
Milling setup made simple with exocad

exocad features:

- Design nested within material blocks
- Production queue management
- Material block management
- Automated tool path creation
- Visualization of tool paths and milling simulations

Our open XML-based exchange formats let DentalCAD be easily integrated with other CAM products. Visit our website for further information:

exocad.com/our-products/exocad



exoprint

The easiest way from CAD to 3D printing

Simplify your 3D printing with exoprint – for greater convenience and usability.

exocad's DentalCAD provides a seamless workflow with 3D printers, and our new exoprint tool enables a smooth transition from DentalCAD to 3D printers.

Connecting DentalCAD with your printing software requires minimal effort. Designs and associated information can be passed directly from DentalCAD to 3D printing software, using an open XML-based interface. Discover exoprint – the smartest way to transfer your 3D-printable files.



dentalshare

Fast, secure and easy data transfer – free of charge

More than just 'upload to lab' – we cover the full spectrum of multidirectional digital data transfer between clinicians, dental technicians and production centers.

dentalshare enables distributed workflows and efficient online collaboration. We use next-generation compression technology combined with a robust transfer protocol so that even big data sets travel through unstable mobile network connections and restrictive firewalls with ease. Designs can be exchanged, modified and reviewed prior to production. All transfers utilize state-of-the-art encryption technology and are fully verified once received.

For maximum reliability and fast network throughput, exocad operates its own redundant, distributed server infrastructure with multiple gigabit internet connections and server locations around the world.



No per-transfer fees,* no commission

With dentalshare, we won't gnaw away at your profit margin.

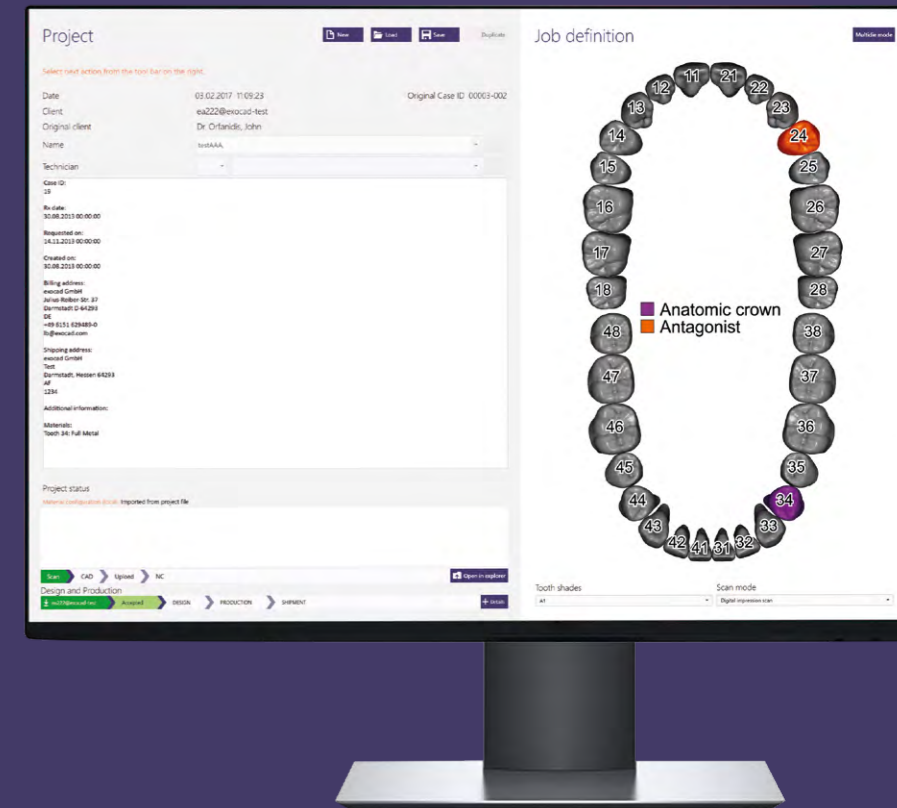
Transparency and privacy

As a dentalshare user, you're in complete control of what data is being sent and when.

Hardware independent

dentalshare is integrated with a wide range of CAD/CAM hardware and software on the market. Regardless of the specific products used by your partners, you can be confident that with dentalshare you can connect reliably.

*Depending on the type of integration chosen, additional fees may apply.



exocad's webview

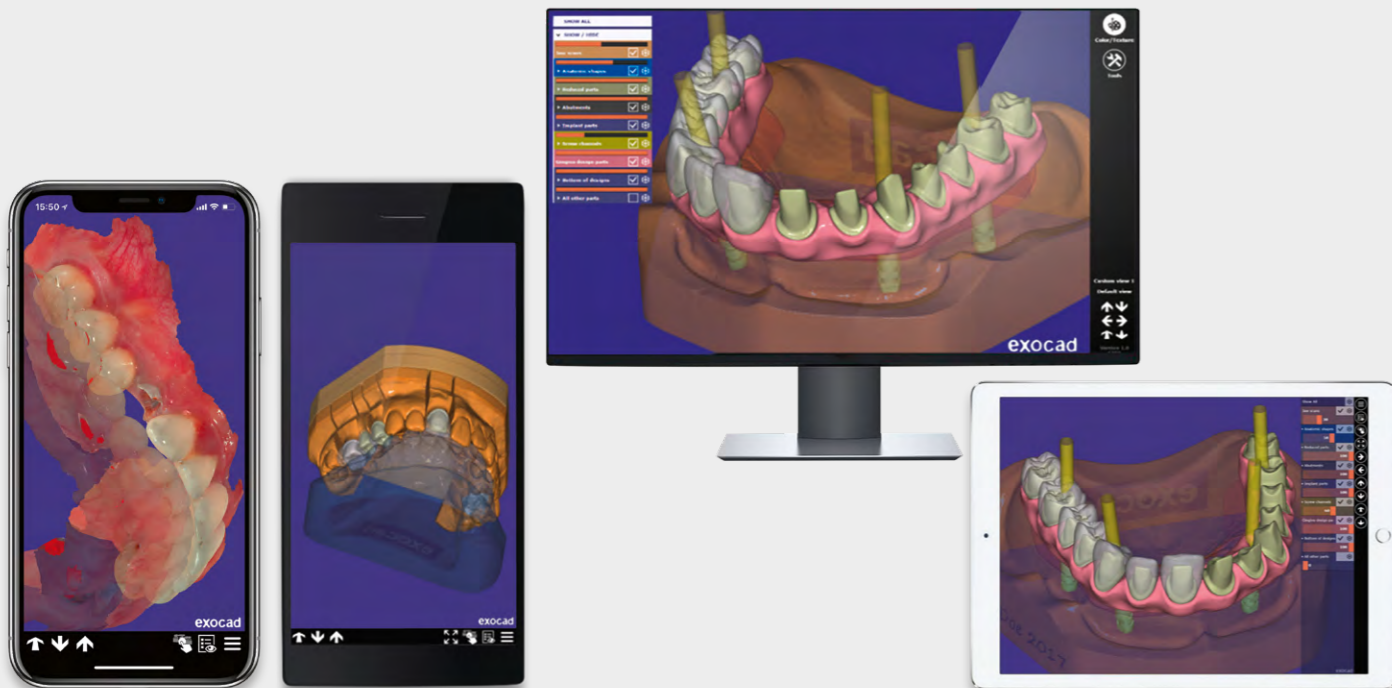
Make your exocad designs available on all devices

Share interactive 3D previews of your exocad CAD designs

With just a few clicks, you can generate a secure link to your design that you can share with anyone online. This link can be opened with both desktop and mobile browsers to experience an interactive, true 3D preview of your CAD design.

Free tools and samples

This fast and convenient multi-platform 3D viewer allows you to visualize common 3D formats on the go and can also show CAD scenes from preview links generated with dentalshare. Visit webview.dental to try it out or experience interactive demos at webview.dental/demo.



exocad
webview 1.6

DOWNLOAD
APP NOW!

webview.dental/demo



Integrated solutions powered by exocad

Thanks to partnerships with leading desktop scanner manufacturers, exocad's DentalCAD is the basis for CAD/CAM systems with smoothly integrated workflows – while still allowing for the freedom to choose from many different 3D scanners. Select from inexpensive laser scanners to high-precision devices using structured light, conoscopic holography or tactile technology.

You are free to choose the best fit for your budget and your workflow needs.











Our close collaboration with major intraoral scanner manufacturers gives you access to the largest installed base of scanners in dental offices. exocad integrates with almost all manufacturers, such as iTero, Carestream, Medit or Shining 3D, allowing you to reach the widest-possible audience with your digital offerings. For more details, visit exocad.com/oem-integration.

A selection of integrated scanner manufacturers

Desktop scanners

 amanngirrbach.com	 cadstar.dental	 dentium.com	 dentsplysirona.com	 www.dipro.co.jp	 doflab.com
 gc-dental.com	 gt-medical.com	 ivoclarvivadent.com	 medit.com	 nobelbiocare.com	 www.nobilmetal.it
 opentech3d.it	 optimet.com	 protechno.com	 renishaw.com	 en.shining3d.com	 smartopectics.de
 zfx-dental.com	 zfx-dental.com				

Intraoral scanners

 3disc.com	 amanngirrbach.com	 carestreamdental.com	 dentsplysirona.com	 pingtum.com	 gc-dental.com
 itero.com	 launcadental.com	 medit.com	 en.runyes.com	 en.shining3d.com	

*Depending on the type of integration chosen, additional fees may apply.
**Integration only available for exocad licenses purchased through the respective reseller.



Our resellers

Purchase exocad through one of our many partners

exocad partners with manufacturers, system integrators and dealers to provide integrated solutions, tailored for you.

Our resellers provide their customers with extensive training and expert support. Contact one of our partners.

exocad.com/partners



I love using many different tools to create art. In my lab, I enjoy the infinite possibilities *DentalCAD* gives me.

Carla Arancibia
Dental technician and illustrator

SUCCESSFUL FOR

10+
YEARS

USERS IN OVER

150
COUNTRIES

MORE THAN

45,000
INSTALLATIONS

Why dental experts trust our software solutions

exocad's comprehensive software solutions provide the tools to keep pace with the fast-moving dental industry. Dental experts choose exocad for the ease of use, simple acceleration of daily workflows, support of flexible business models, continuously improved software security

and more. With the guiding principle 'your freedom is our passion,' exocad is committed to providing software solutions that work on a wide spectrum of devices and systems.

1 Faster and more efficient

Our users save time with our robust, high-performance software that runs quickly, even when processing large and complex cases.

2 Complex cases simplified

The cases may be complex, but using our software is simple.

3 Flexible software, flexible business model

We offer maximum flexibility and freedom through our modular and open approach. Customers can mix and match modules, buy perpetual CAD software licenses, or rent the software at attractive rates.

4 Reliable

We focus on the details when developing our software. That's why exocad products are known for their reliability.

5 Independent and innovative

Our open platform software puts our users at the forefront of digital dentistry. Our engineers and researchers continuously push the boundaries of dentistry.

6 Truly future-proof

We're the dental CAD/CAM software provider with a wide choice of integrated solutions using third-party scanners, mills, printers and materials. We are always open to new ideas, ready to support today's and tomorrow's best innovations.

Your benefits at a glance

Create exceptional dental solutions for almost any indication

DentalCAD supports you in designing various esthetic and functional dental restorations and appliances based on individual anatomies and requirements.

Stay ahead of your competitors

DentalCAD is developed based on latest research results and market insights and is continuously innovated by our team of engineers.

Minimize training costs

DentalCAD is easy to learn and guides you step-by-step through the process.

Maximize your return on investment

DentalCAD enables you to integrate hardware and materials of your choice.

Access extensive features and functionalities

DentalCAD allows you to individually adjust each setting and offers you a broad range of supplementary tools in the expert mode.

Enjoy exceptional flexibility

DentalCAD lets you control every step according to your requirements and fully adapts to your workflows, equipment and services.

Profit from an unlimited number of cases

DentalCAD has no hidden costs or click fees.

Enjoy freedom of choice

DentalCAD supports file formats for open scanners, 3D printers and milling machines, enabling you to work with your existing equipment.

Collaborate effortlessly with your partners

DentalCAD facilitates your communication with clients and service providers for predictable outcomes.

Experience hassle-free and speedy operations

DentalCAD is ultrafast in processing even high data volumes, thereby guaranteeing you maximum ease of use and performance.

Integrate workflows seamlessly

DentalCAD interoperates with all exocad products and add-on modules.

Expand your service offerings

DentalCAD can be upgraded with various add-on modules according to your needs.

Benefit from our proven software platform

exocad software has been well established in dental labs for more than 10 years.

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Your exocad dealer

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