exocad

ChairsideCAD

The new era of same-day dentistry

exocad.com

"The chairside workflow is easy to learn and optimized for clinical practice

Same-day restorations are a growing part of dentistry. In my practice, my patients request it more and more, leading to new challenges for me in meeting this demand. What makes ChairsideCAD unique is the integration with open-architecture scanners, milling machines, and printers. If you want to make changes to your workflow, equipment, or services, exocad adapts to your practice. The common thread is exocad's open-architecture platform that enables you to integrate hardware and materials, without limiting your choices to a single-vendor model.

Anoop Maini, Cosmetic Dentist and member of the
International Digital Dentistry Academy

Innovative, intuitive, integrated
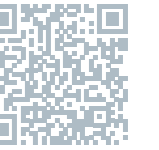# Powerful dental CAD software for use in a clinical environment

More automation and a simplified user experience – exocad's *ChairsideCAD* is optimized for clinical use.

ChairsideCAD is the first complete open-architecture CAD software platform for single-visit dentistry. The chairside workflow is streamlined, easy to learn, and optimized for use in the practice, including a step-by-step guide through the design process. It is based on the same proven technology as exocad's "best-of-breed" lab software, renowned for its reliability and robust features. In just a few steps, exocad's *ChairsideCAD* creates highly esthetic proposals with minimal post processing.

Make the most of your intraoral scanner with *ChairsideCAD*. Thanks to our open platform, a wide range of scanners, production systems, and materials are supported. For cases not produced in your practice, you can take advantage of the integrated communication platform *dentalshare* to easily collaborate with the lab of your choice.

Discover *ChairsideCAD* – exocad's unique open-architecture software solution for dental practices. It offers you the highest flexibility, usability and performance for same-day restorations.

Material libraries

Intraoral scanners

Dental labs

Practice management software interface

ChairsideCAD

3D printers

Milling machines

Desktop scanners

Jaw tracking devices

Communicates with labs and any open hardware

Take your dental restorations to the next level with exocad's *ChairsideCAD* – the intuitive software solution for same-day restorations in the dental practice. From smooth integration with several market-leading intraoral scanners to reliable, highly esthetic restorative designs, and in-house or outsourced manufacturing, *ChairsideCAD* guides you through the whole process step-by-step. Meet your patients' demand for same-day restorations by taking maximum advantage of the streamlined, intuitive chairside workflow. Directly create reliable results in only few steps in your dental practice – no extensive training is necessary.

Easily and efficiently integrate your existing hardware and materials into *ChairsideCAD*, thanks to the open software architecture. The choice is yours!
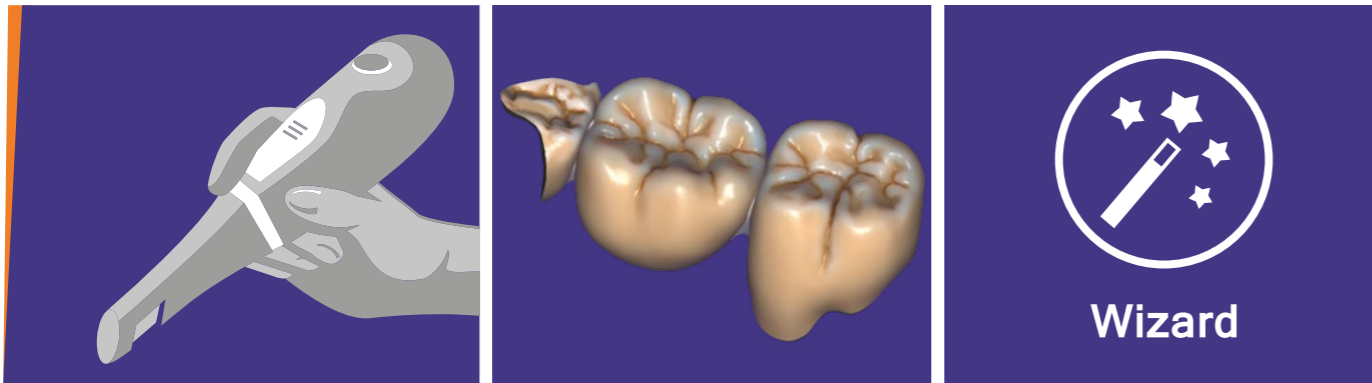
### Compatible – supports a large number of intraoral scanners

Load your patient's 3D scans easily into *ChairsideCAD* from many open intraoral scanners. Thanks to standard data formats, you have the freedom to choose and change your hardware based on your specific needs.

Versatile – wide range of indications for single-visit treatments

Design beautiful and functional dental restorations such as crowns, bridges, copings, veneers, inlays, onlays, pontics, provisionals and dental appliances.

User-friendly – guided workflows in wizard mode

Benefit from the intuitive, guided approach of *ChairsideCAD* that offers you maximum ease of use and consistent results. exocad's proven wizard-based workflow guides you through every step of the CAD/CAM process.
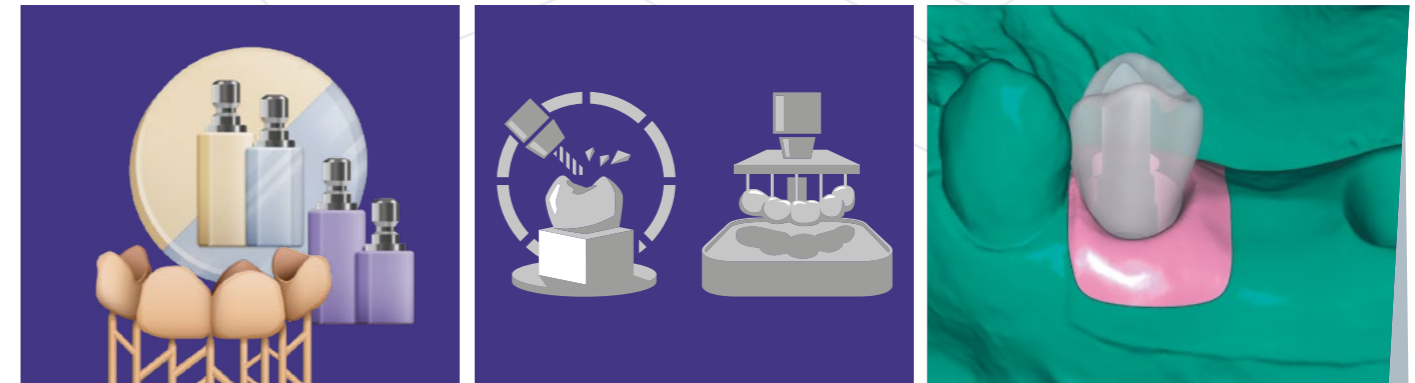
Comprehensive – open library of production materials

Produce your dental restorations by accessing *ChairsideCAD's* comprehensive, open library of materials from leading manufacturers such as 3M, GC, Shofu, Vita and many more. In addition, various generic blanks for hybrid ceramics, lithium silicates, lithium disilicates, and glass ceramics are available.

### Free choice – seamless integration with 3rd party production equipment

Maximize your return on hardware investments with *ChairsideCAD*. Thanks to its open software architecture, all design data is exported in an STL file format. This allows you to manufacture your restorative designs on almost any open 3D printer or milling machine.

Expandable – add-on modules for supplementary features and indications

Expand your service offerings and generate more value with your business by upgrading *ChairsideCAD* with various add-on modules according to your and your patients' needs.

ONE PLATFORM
all digital dentistry solutions

Facilitate 3D printing with *exoprint*

Easily manufacture your dental restorations or appliances in-house in one seamless workflow with *exoprint*. This feature of *ChairsideCAD* allows you to directly transfer your design files and any associated information to your 3D printer's software without having to manually select STL files for printing.
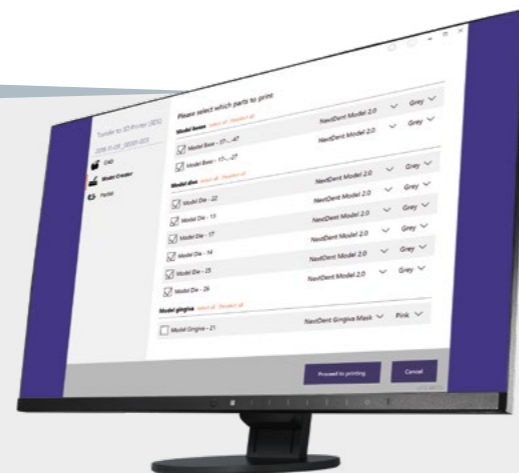
## Intuitive operating concept with one software platform for all solutions

Seamless digital workflows, highest usability and maximum performance are ensured with *ChairsideCAD* – exocad's software solution for same-day restorative designs in dental practices. Based on exocad *DentalCAD*, the world's leading lab design software, *ChairsideCAD* offers dentists a proven and powerful software platform, with maximum ease of use and an optimally guided design process. exocad's open software architecture allows dental practices to fully adapt *ChairsideCAD* to their workflows, equipment and services – for reliable results that are cost- and time-efficient.

Optimized for SINGLE-VISIT DENTISTRY

exocad *ChairsideCAD*
Indications and functionalities

ChairsideCAD supports you in designing various esthetic and functional dental restorations and appliances while the patient is still in the chair. Thanks to its simplified, intuitive user interface and open tooth and material libraries, a high level of automation and consistent results are ensured.
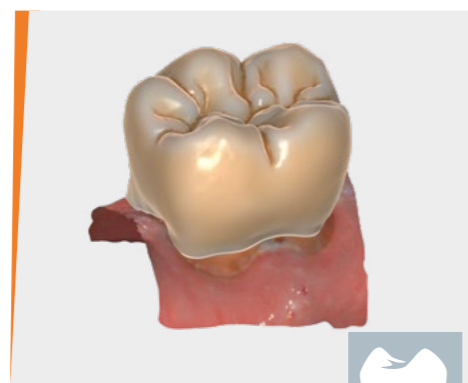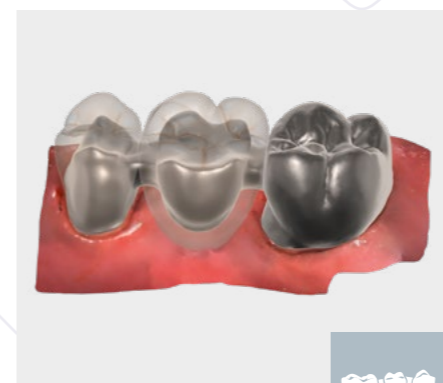
Anatomic crowns

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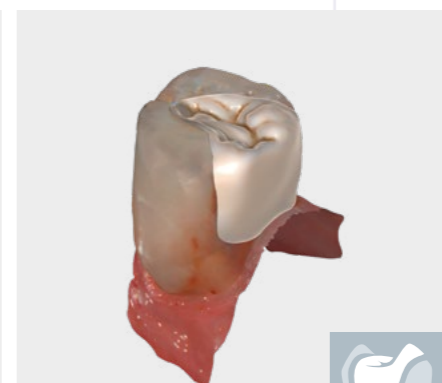
Bridges

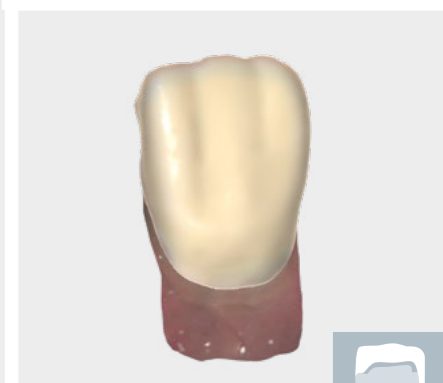Design full contour bridges including inlay, cantilever, and Maryland bridges.

Frameworks

Practices with embedded labs can take advantage of the advanced framework design options.

Inlays/onlays

Beautiful, natural-looking inlay and onlay restorations can be designed rapidly and easily.

Veneers

Achieve highly esthetic results with just a few mouse clicks. Several beautiful natural tooth libraries are included.

Try out now exocad's WEBVIEW APP

webview.dental/demo

dentalshare
Fast, secure, and easy data transfer – free of charge

It's more than just "upload to lab" – we aim to cover the full spectrum of multi-directional 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 datasets travel through unstable mobile network connections and restrictive firewalls with ease. For instance, 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.

MILLING CENTER

PARTNER LAB

YOU

DENTAL CLINIC

No per-transfer fees*, no commission

With *dentalshare*, we won't gnaw away at your profit margin – there's no per-transfer fee.

Transparency and privacy

As a *dentalshare* user, you're in complete control of what data is being sent and when. *dentalshare* allows you to select and send only the information you actually want to share.

Hardware independent

dentalshare is integrated with the widest 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.

*Subject to fair usage policy

Extensive, versatile, integrated

Enhanced options and services thanks to numerous add-on modules

React to changing market and patient demands by easily expanding your service offerings with one or more of exocad's add-on modules. Significantly reduce treatment times and frequency while increasing patient satisfaction.

All modules are fully integrated into *ChairsideCAD* – providing you with one smooth, stable and seamless workflow. As per your requirements, you can choose from a variety of functional modules enabling you to include articulation or jaw movements in your restorative designs. Or you can benefit from enhanced visualizations such as CT data views, realistic restoration renderings, or previews during your design process.
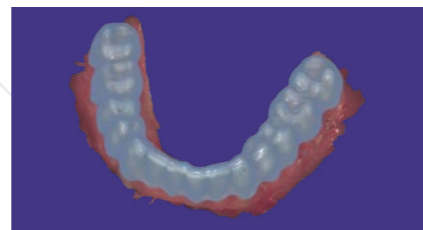

Upcoming with ChairsideCAD 2.3 Matera

Implant Module

Design abutments and screw-retained crowns and bridges.
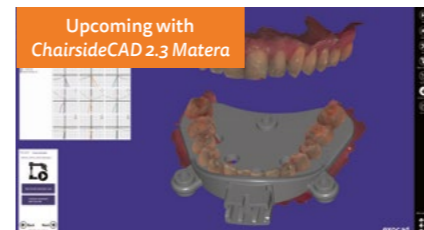
❯ **page 12/13**
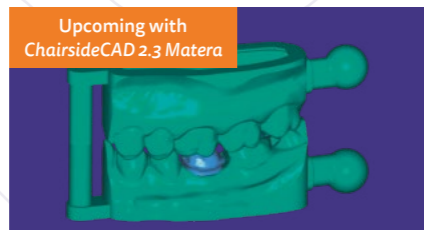
Upcoming with ChairsideCAD 2.3 Matera

Model Creator

Create physical models from digital impression scans.

❯ **page 14/15**

Bite Splint Module

Design night guards.

❯ **page 16**

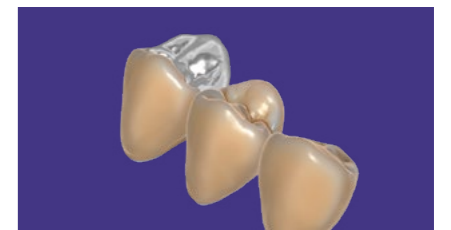**Upcoming with ChairsideCAD 2.3 Matera**

Jaw Motion Import

Import jaw motion measurement from various devices.
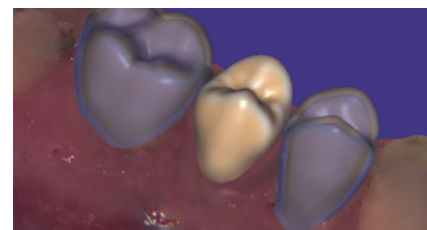
❯ **page 21**

Upcoming with ChairsideCAD 2.3 Matera

DICOM Viewer

Visualize voxel CT data during the design process.

❯ **page 22**

TruSmile Module

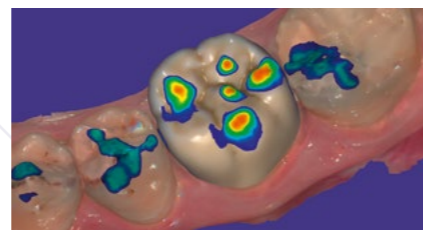Realistic visualization of dental restorations.

❯ **page 23**

Provisional Module

Create eggshell temporaries from pre-op scans.

❯ **page 17**

Upcoming with ChairsideCAD 2.3 Matera

Smile Creator

Predictably plan and preview esthetic restorations.

❯ **page 18/19**

Auto Articulator Module

Automatically simulate jaw movements for accurate dynamic occlusion.

❯ **page 20**

In-CAD Nesting Module

Position restorations in milling blanks.

❯ **page 24**

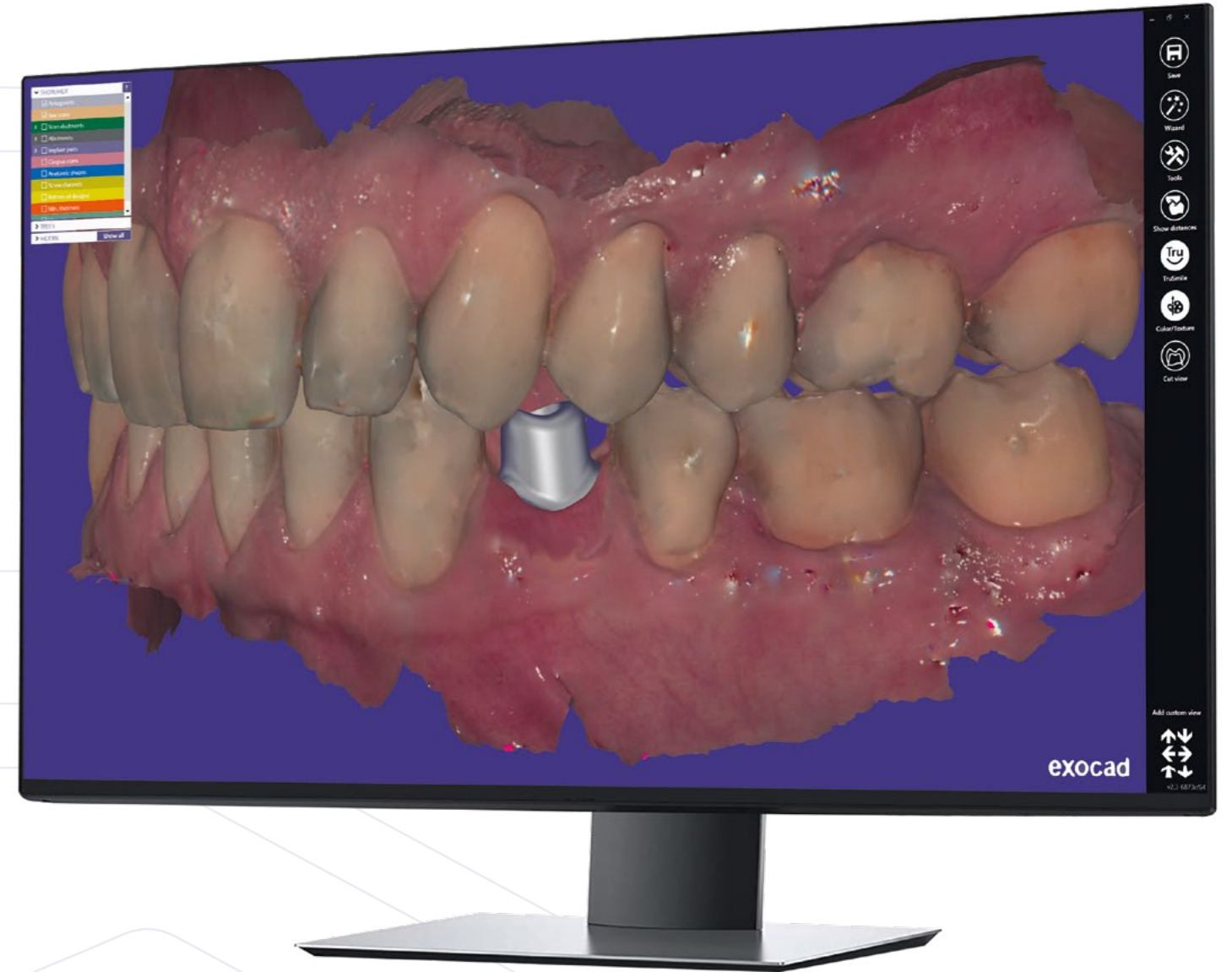Add-on Module: *Implant Module*

Design implant-based restorations

With the *Implant Module* for *ChairsideCAD*, you can directly design screw-retained crowns and bridges as well as custom abutments. Even designing abutment and suprastructures in one single CAD session is possible. Angulated screw channels are supported as well.

With *Implant Module*, the choice is yours! Either mill in-house or send out your files for production. The add-on module supports a wide range of in-house milling systems. In addition, leading production centers will accept files generated by exocad software.
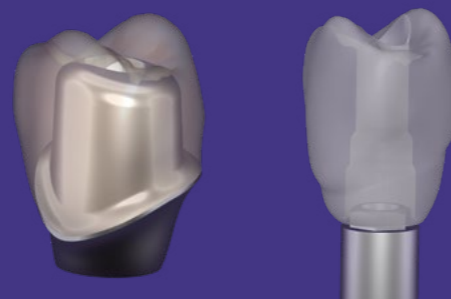
Flexible design options for various types
of implant-based restorations

exocad

Quick and easy to use
The proven exocad wizard guides you through
the different steps of the design process.

A huge selection of implant libraries
exocad's *Implant Module* is delivered with an extensive set of implant libraries and supports a huge selection of implant systems – from top-tier implant manufacturers to smaller local players. There is an even wider range of titanium bases from third-party manufacturers to choose from. In addition, many milling centers provide dedicated libraries for exocad's *Implant Module*.

exocad.com/library-integration
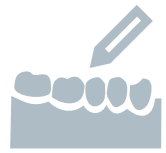
Add-on Module: *Model Creator*

# Create physical models from digital impression scans

exocad's *Model Creator* module helps you create physical models from intraoral scan data or impression scans.

Both the design of models with detachable segments (using premanufactured bases) and the design of monolithic models (where the prepared die is either removable or a separate check die) are supported.
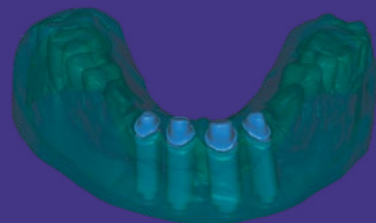
Combined with our *Implant Module, Model Creator* enables you to create models with lab analogs and removable gingiva masks.
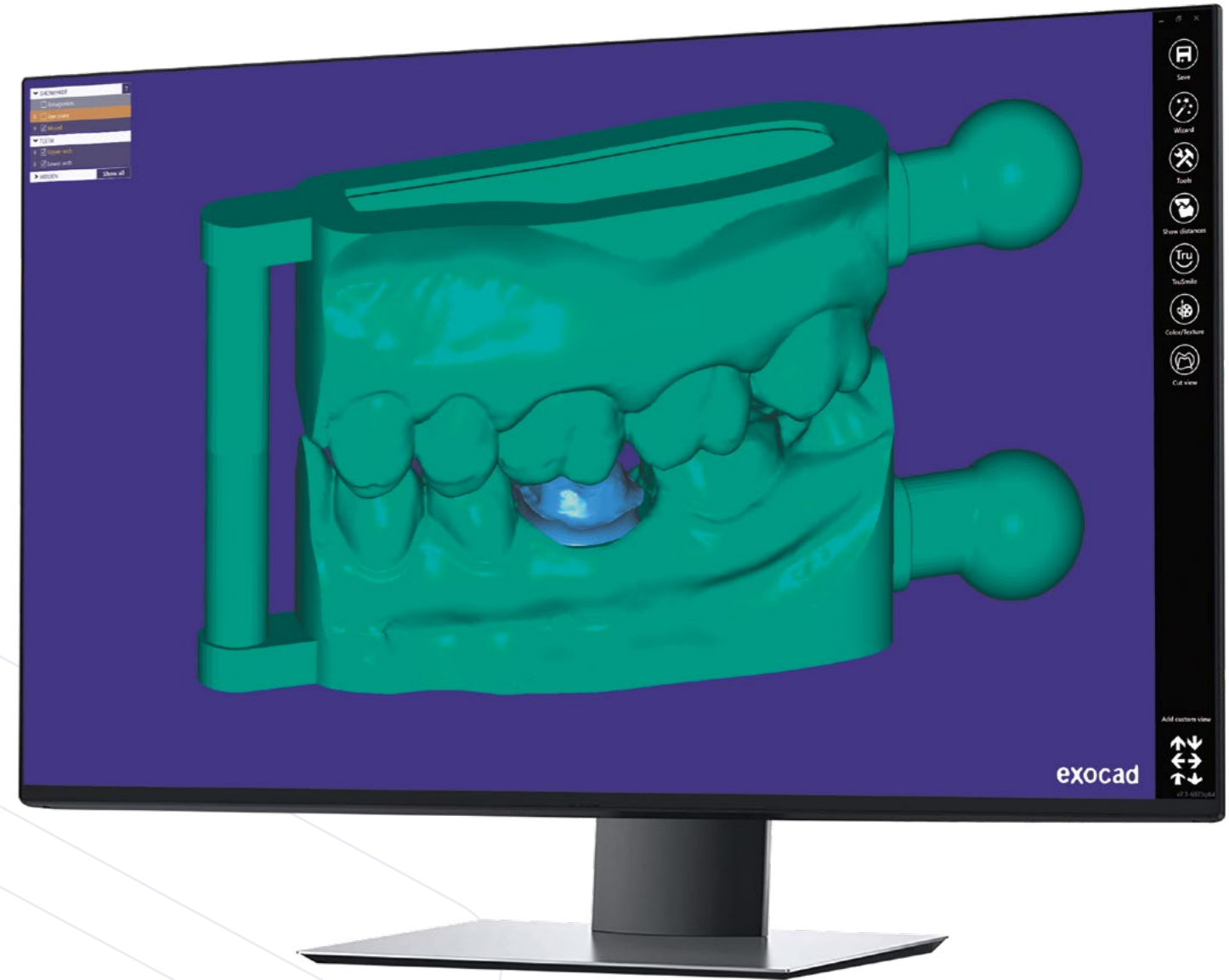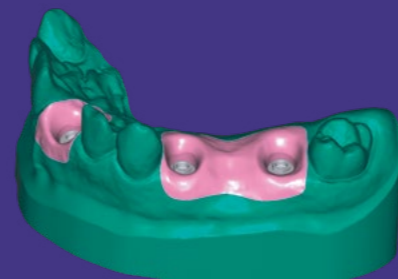

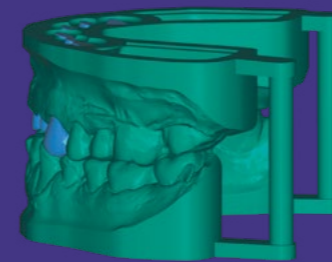## One add-on module – many possibilities
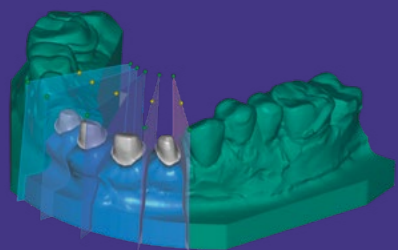
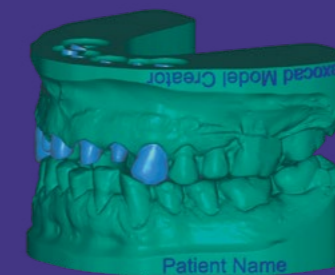
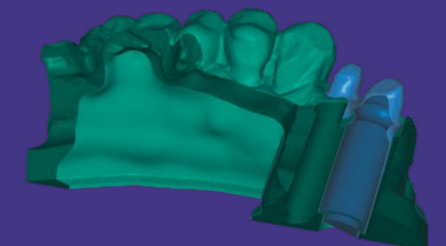Model with detachable segments

Different model/die styles available

Create models with implant analogs

Full arch, upper and lower models

Labeling your models

Hollow models allow extremely cost-efficient printing
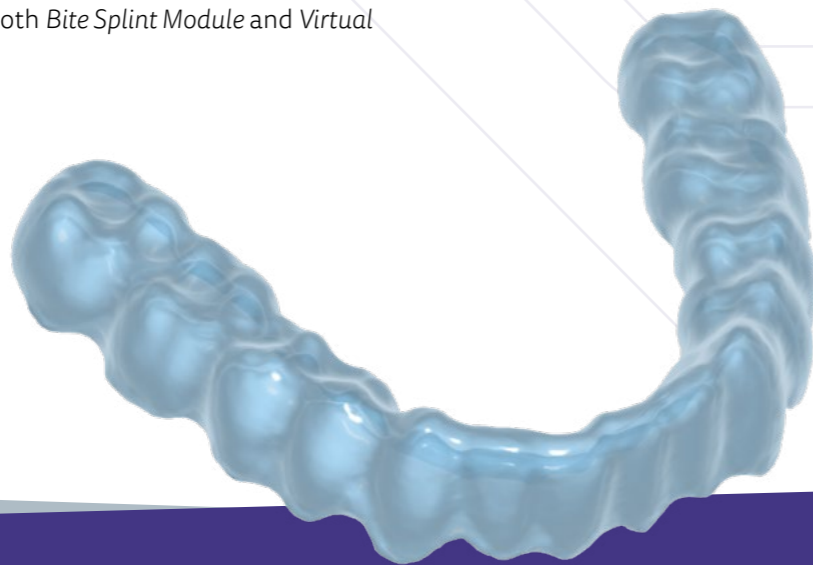
Add-on Module: *Bite Splint Module*

Design night guards

Add-on Module: *Provisional Module*

Create eggshell temporaries from pre-op scans

With exocad's *Bite Splint Module*, you can design high-quality therapeutic night guards quickly in just a few steps.

Thanks to its easy-to-use customization tools and its intuitive workflow that guides you through the design process, producing chairside bite splints in your practice is simple and profitable. Provide your patients with fast relief and same-day solutions for their temporomandibular joint pain by creating your own bite splints.
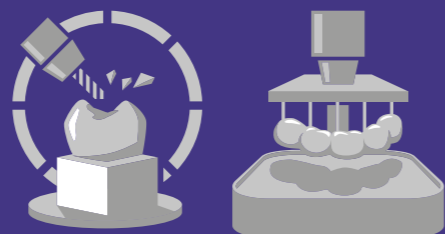
The add-on-module's extensive functionalities allow you to virtually adjust the occlusion and remove undesirable interferences. You can also smooth and morph the surface of your night guards individually or select the option for automatic flattening of the posterior occlusal surface. Heighten patient satisfaction and brand identification by branding your night guard designs.

We recommend using a combination of both *Bite Splint Module* and *Virtual Articulator* for optimal results.

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

exocad's *Provisional Module* enables you to create temporaries based on your patient's pre-operative anatomy. Alternatively you can create the provisional crown or bridge by using the tooth library. Then make fine adjustments using an extensive suite of freeforming tools. New tooth morphologies can be clinically evaluated within the module, thereby helping you reduce chair time.

Produce directly

Provide same-day dental solutions for your patients by using exocad's open architecture – fabricate custom-designed therapeutic night guards directly on any compatible, open milling machine or 3D printer.
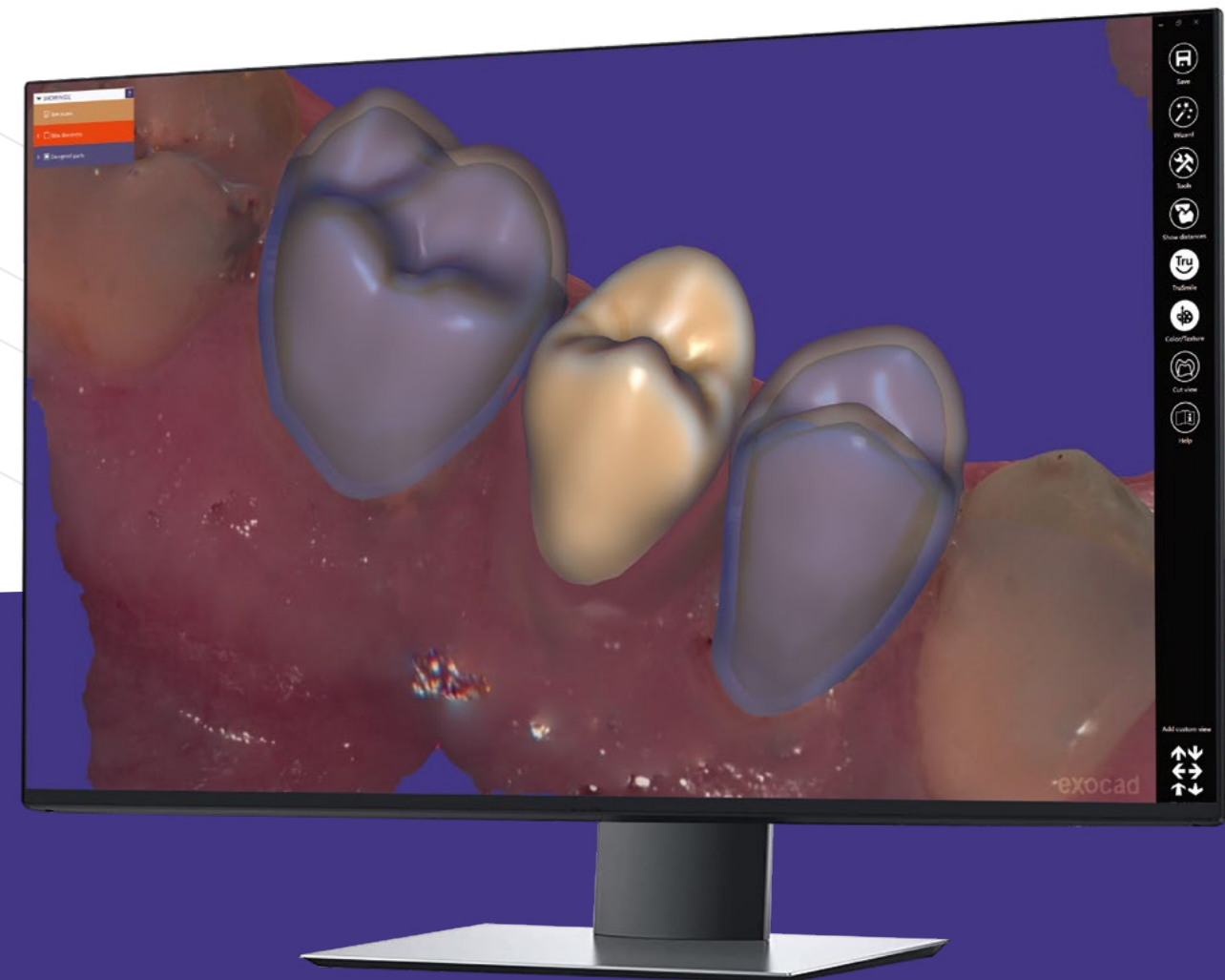
Add-on Module: *Smile Creator*

In-CAD smile design

Create added value with *Smile Creator* – exocad's innovative in-CAD smile design solution for predictable esthetic smile makeovers. Integrated into the *ChairsideCAD* platform, *Smile Creator* empowers you to reliably create prosthetically feasible esthetic designs thanks to our innovative 2D/3D technology.

By combining patient photos, outlines and 3D situations, esthetic relationships between teeth, smile and face can be evaluated. Patient photos are automatically converted to 3D objects, which are then matched to the 3D scans of the teeth. This offers dentists and dental technicians a realistic perspective for a restorative treatment plan. In addition to greater control over the outcome, this improves communication between dental labs, dentists and patients.

Thanks to its guided workflows and extensive features, *Smile Creator* is an intuitive, yet powerful digital planning solution for cosmetic dentistry.
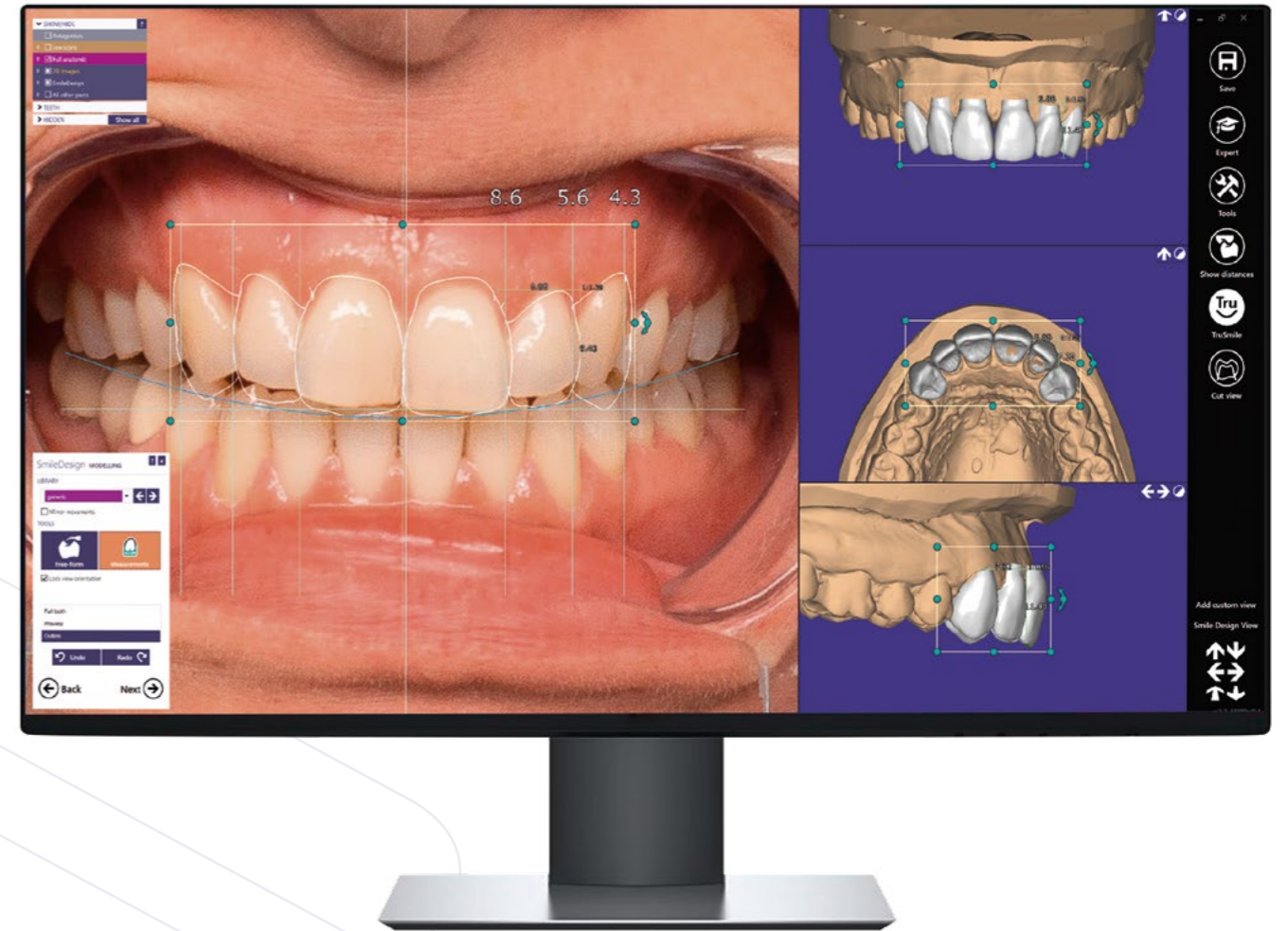
Perfect foundation for prosthetic execution

With *Smile Creator*, you will obtain a real 3D tooth set-up as the perfect foundation for later prosthetic implementation with *ChairsideCAD* as well as implant planning with *exoplan*. Digital waxup models can be realized with exocad's *Model Creator*.
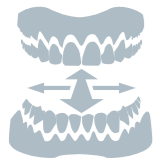
Add-on Module: *Auto Articulator Module*

Simulate articulation in restorative designs

The *Auto Articulator Module* enables you to simulate the movements of a real articulator and derive patient-specific dynamic occlusion.
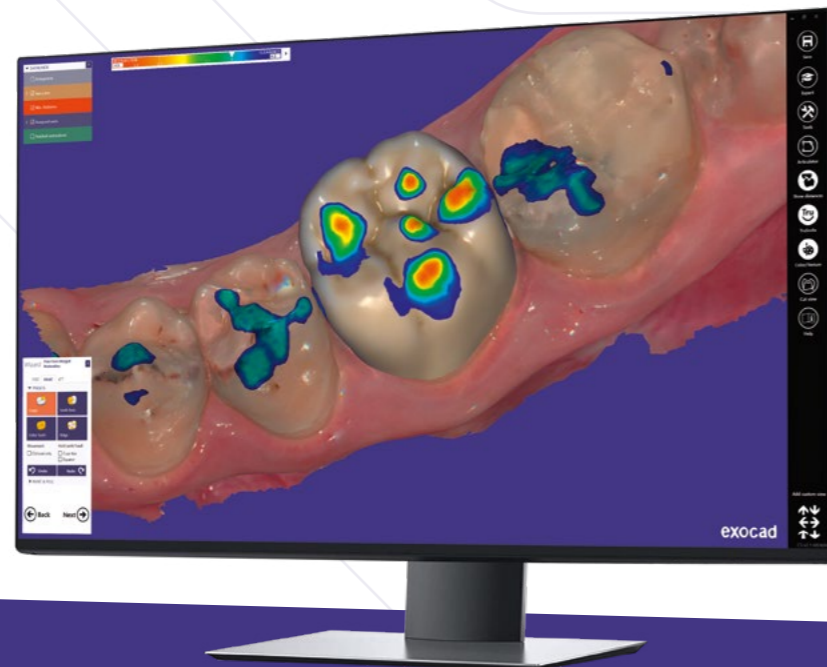
In *ChairsideCAD*, the articulator movements are performed automatically through the wizard workflow. Utilizing anatomical averages, our software uses heuristics to position the scan data and automatically simulate jaw motions. The results are used to digitally adjust occlusion and thereby reduce chair time.

Add-on Module: *Jaw Motion Import*

Import jaw measurements from devices

The *Jaw Motion Import* module allows you to import jaw movement registration data from external devices such as the JMA system from Zebris.

The add-on module works in combination with the *Auto Articulator Module*.

For experts: combine with *Model Creator* to create innovative, semi-dynamic physical models.

Extensive functionalities for optimized workflows
With the add-on module *Auto Articulator*, you can easily calculate excursive motions – taking into account your patient's digital impressions and predefined parameters. Simple user controls help you visualize the calculated movements in four standard directions: protrusion, retrusion, left laterotrusion and right laterotrusion. Identify the contact strength of your restoration design against opposing dentition.
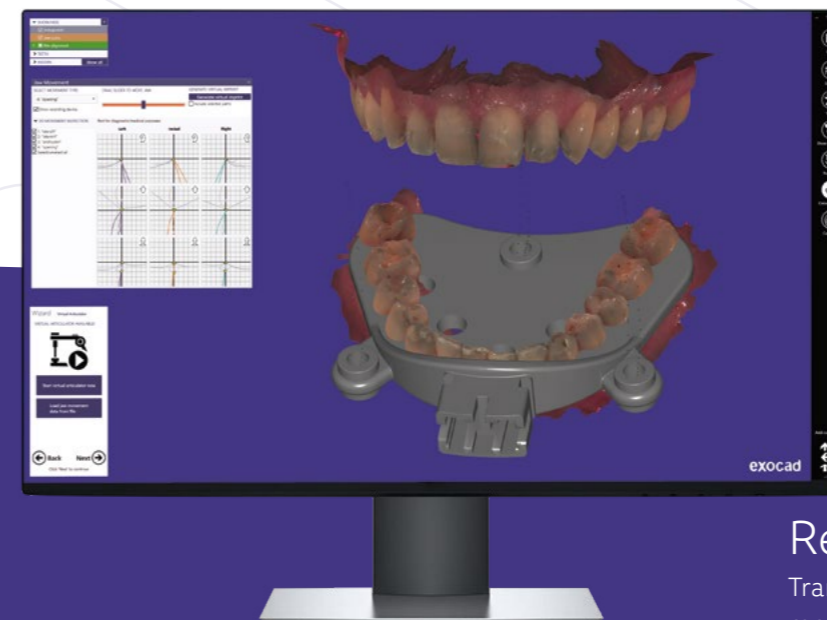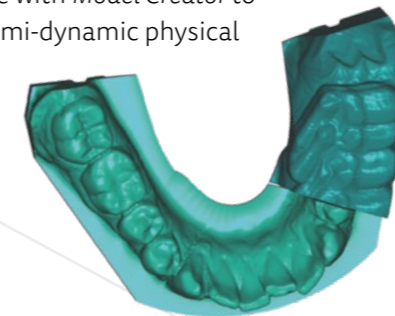
Realistic representation
Transfer your patient's actual, dynamic jaw movements into the software. Simulate them during the design process and create custom-fit restorations.
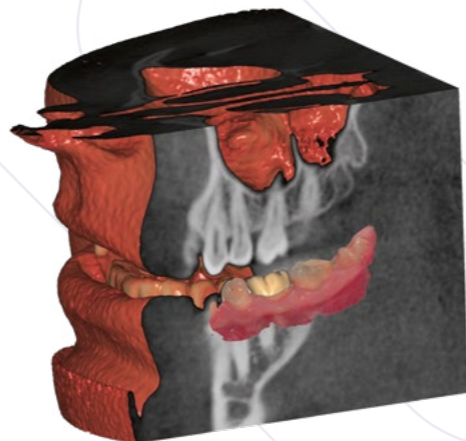
Add-on Module: *DICOM Viewer*

Visualize voxel CT data during the design process

exocad's *ChairsideCAD* platform includes an optional *DICOM Viewer** that allows you to visualize voxel data from CT machines during the design of dental restorations.

Get enthused about the high-speed processing of large CBCT files. Driven by optimized data handling algorithms and snappy graphics rendering, exocad's *DICOM Viewer* provides market-leading DICOM loading and visualization speeds.

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

Add-on Module: *TruSmile Module*

Realistic rendering of dental restorations

exocad's *TruSmile Module* provides near photorealistic rendering of dental restorations – in real-time during the design process.

In addition to providing a "What You See Is What You Get" user experience, *TruSmile Module* is also a powerful marketing tool for dentists using chairside CAD/CAM systems, e.g. to help convince a patient to opt for a ceramic restoration instead of a metal crown.
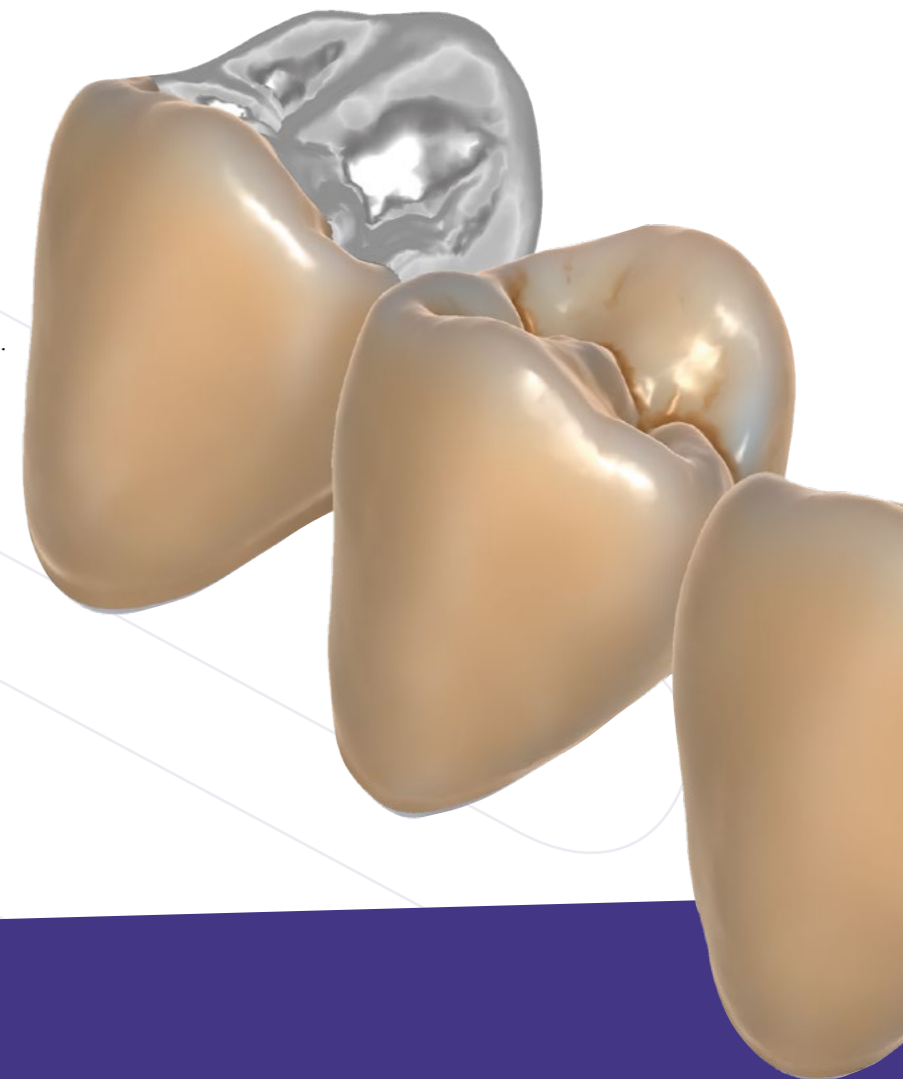
A1	A2	A3	A35	A4	B1	B2	B3
B4	C1	C2	C3	C4	D2	D3	D4
Gold	NP	OM1	OM2	OM3			

Natural coloring
Choose from single-tooth standard color presets and adjust them for a realistic result preview.

Add-on Module: *In-CAD Nesting Module*

Place designs into suitable milling blanks

exocad's add-on module *In-CAD Nesting* helps you quickly place restorations into milling blanks during your design process.

Interactively place single- or multi-unit restorations in a suitable milling blank. Create reliable outcomes by exporting the information for further processing in CAM software. In combination with the *TruSmile* add-on module, you can easily adjust the position and shading of your restoration in a multi-layered blank – in the context of its adjacent teeth.
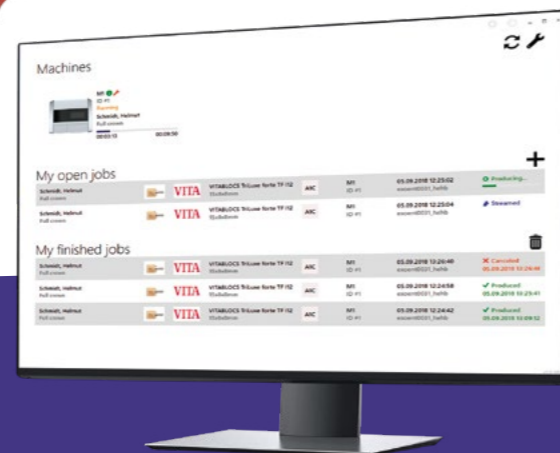
Mill Manager Tool

Thanks to close cooperation with leading machine manufacturers, exocad *ChairsideCAD* interacts smoothly with a variety of milling machines for same-day dentistry production. *In-CAD Nesting* in combination with our *Mill Manager* is the key to seamless integration with a chairside mill of your choice. With the *Mill Manager*, you can easily access your machine controls and manage your production queues.
For more information visit **exocad.com/integration/chairside**

Freedom of choice

Maximize your flexibility with *ChairsideCAD*

Dentistry is undergoing fundamental changes from digital technologies being on the rise – not only in dental labs but also in dental practices. While digital solutions enable greater productivity, superior clinical outcomes, and improved patient satisfaction, investing in new digital workflows comes with a price. We at exocad strive to offer you maximum flexibility when it comes to your workflows, equipment, or services. This is why *ChairsideCAD* is an open, vendor-neutral software solution for your dental practice – guaranteeing you seamless integrations along the digital workflow chain of same-day dental restorations.

ChairsideCAD's unique open-architecture approach gives you total freedom to select your equipment. Smoothly import your patient's scan data with (intraoral) scanners of your choice. Access a comprehensive library of beautiful natural teeth and pick your materials either from leading manufacturers or from a range of generic milling blanks. Thanks to our secure online communication platform, collaboration with your partner lab of choice has never been easier. If you prefer in-house manufacturing, *ChairsideCAD* easily integrates with almost any open-architecture milling machines and 3D printers.

Opt for freedom of choice – opt for *ChairsideCAD*!

Access extensive material libraries

Choose from an open library of milling blanks from leading manufacturers or generic blanks for hybrid ceramic, lithium silicate, lithium disilicate, glass ceramic, etc.

In a nutshell
Why experts trust our digital dentistry solutions

Faster workflows, improved proficiency

Save time by working with high-performance software that runs robustly, even when dealing with large and complex cases. Quick response times and optimal usability help speed up your daily work.

It's easy to use and to reach your high expectations

Your complex procedures can become more simple and efficient, thanks to our experience in working closely with dental professionals like yourself, creating more accessible dental software for the digital age.

Flexibility as you require it

Experience maximum flexibility and freedom through exocad's modular and open approach. It's not just the software that is flexible; the business model is too. You can mix and match modules – it's all your choice.

Reliability you can trust

You can rely on us to create software that you will continue to appreciate and profit from. Our product has proven its stability time and time again, because we always pay the greatest attention to quality and detail. Our reliable upgrades provide new possibilities that are always driven by your needs.

Independent & innovative

Our software puts you at the forefront of innovation. Since our foundation, our dedicated team of engineers and researchers has consistently developed state-of-the-art innovations for the dental industry. As an independent and hardware-neutral technology provider, our goal is to push the limits of digital dentistry through software solutions.

Truly future-proof

We're the dental CAD/CAM software provider with the widest choice of integrated solutions using third-party scanners, mills, printers, and materials. And we are always open to new ideas, ready to support today's and tomorrow's best solutions to meet and exceed our customers' requirements.

exocad and *ChairsideCAD*
Your benefits at a glance

Enjoy ease of use
ChairsideCAD is fast and easy to handle, no extensive training is necessary

Improve patient satisfaction
ChairsideCAD helps you realize same-day restorations in the dental practice

Create esthetic and functional restorations
ChairsideCAD is easy to learn and guides you step-by-step through the process

Increase your efficiency
ChairsideCAD enables you to realize restorative dentistry during one single patient's visit to the practice

Opt for in-house or outsourced production
ChairsideCAD offers flexible workflows

Keep your flexibility
ChairsideCAD supports almost all changes you make to the workflow, equipment, or services in your practice

Collaborate effortlessly with partners
ChairsideCAD facilitates your communication with dental labs and production centers for improved and predictable outcomes

Maximize your return on investments
ChairsideCAD enables you to integrate open hardware and materials of your choice

Work with your existing equipment
ChairsideCAD supports file formats for open scanners, CT machines, 3D printers and milling machines

Expand your service offerings
ChairsideCAD can be upgraded with various add-on modules according to your needs

Profit from an unlimited number of cases
ChairsideCAD has no hidden costs or click fees

Benefit from our proven software platform
exocad software has been established for 10 years

Our solid foundation – dental CAD software from exocad

exocad was founded under the principle of being truly open and connected. As the worldwide leading OEM manufacturer for dental CAD software, our core competence is to establish interoperability standards. Manufacturers can thus integrate their databases, products, libraries and services. These integrations allow companies to focus on their core business while we continue to expand the depth of supported indications.

Successful for **10** years

Users in over **120** countries

Over **32000** installations

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