



# CLAUSS<sup>TM</sup>

Clinical CAD-CAM

**OPEN. INTEGRATED. SCALABLE.  
SUPPORTED.**



Digital Dentistry.  
With you, **all the way.**

# What is Clinical CAD-CAM?

A category starter and new way of thinking.

We don't call it Chairside Dentistry or same-day Dentistry it's: **CLAUSS™ Clinical CAD-CAM.**

It's an **open, scalable** and **integrated** workflow.

Best of all, it is **supported** by the experts in CAD-CAM, XYZ Dental.



Intraoral scanner

It starts with iTero or bring your own validated intraoral scanner. We will integrate it into CLAUSS.



CLAUSS design

Powered by exocad - the leading design platform in Dentistry. Simple to use and natively integrated in CLAUSS.



CLAUSS Milling

Choose from two integrated milling machines. Wet and/or dry. Blocks and/or blanks.



3D Printer

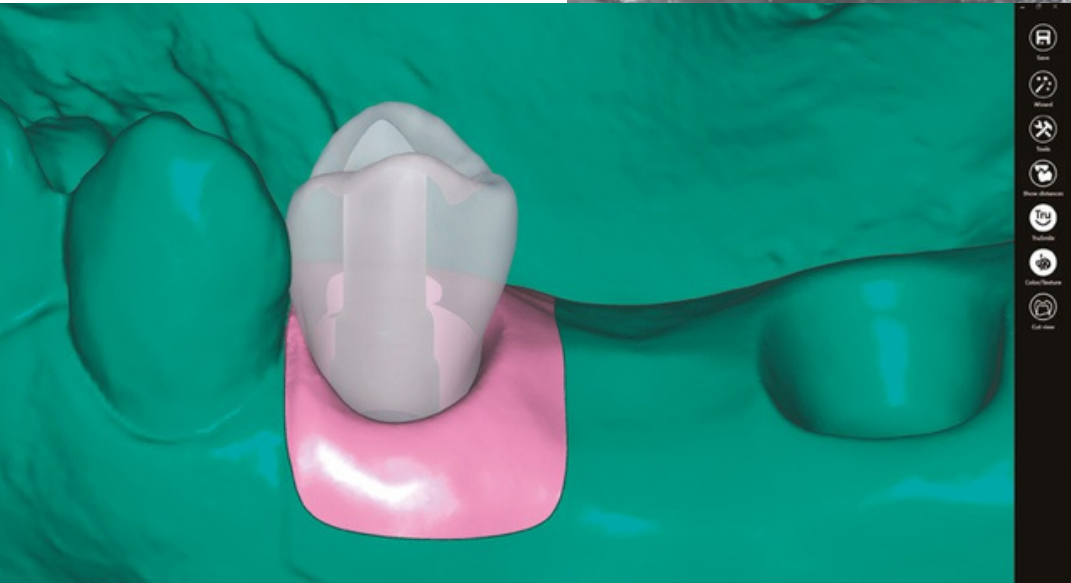
Powered by Asiga. The leading small format 3D printer in dentistry.

# How CLAUSS™ is different?



**Open**

Use your choice of materials. CLAUSS milling machines and 3D printers accept all materials. Send your cases from your iTero to any lab or to your CLAUSS system. No restrictions.



**Integrated**

No web of manual exports or workarounds.

A seamless workflow with a native integration between the iTero intraoral scanner, CAD design + the milling machines & 3D printers.

**Scalable**

It starts with iTero - a completely open scanner platform. BYO the existing scanner or other pieces of CAD-CAM and allow our dedicated team to add new elements into your workflow.

This way, you can complete a CLAUSS system over time or implement an end-to-end solution from day one.



# Already have an intraoral scanner?



That's great!

Let us integrate your existing scanner\* and give you the CLAUSS™ experience without changing your entire workflow.

We call it **CLAUSS BYO.**



# Defining Support

[ suh-pawrt, -pohrt ]

Verb (used with object)

to bear or hold up (a load, mass, structure, part,etc); serve as a foundatrion for.

## What this means to us?

A system is only as good as the support that is provided.

Ongoing training opportunities and comprehensive implementation is critical.

Experience counts: from the team behind AXIOS Medical & Dental - milling and 3D printing centre - therefore ‘we use what we offer and offer what we use.

This means daily, practical knowledge you can use.



## Investing in us and you.

Our Support team are certified to support, service and implement our systems and cover Australia & New Zealand.

We work closely with our technology partners from around the World to contribute to the development of each element of the CAD-CAM workflow.

Bespoke in-house training events plus a regular lecture program is offered throughout Australia including at our state-of-the-art headquarters in Melbourne.

Numerous online resources are provided to clients who are wishing to continue educating themselves in CAD-CAM Dentistry.



# Intraoral scanning with CLAUSS™ & iTero

## Preventive

Go beyond just digital impressions and add value to every patient visit.

iTero intraoral scanners deliver:

## Efficiency

- Complete a scan in as little as 60 seconds<sup>1</sup>
- Keep patients’ scan history to complement your patient oral health monitoring

## Diagnostic and monitoring tools

- Interproximal caries detection aid with NIRI technology
- Occlusion assessment with Occlusogram function
- Hygiene evaluation with integrated intraoral camera
- Analyse changes in oral health conditions over time

## Restorative

iTero intraoral scanners make restorative treatment easy and effective, offering scientifically proven accuracy to aid in your clinical restorative needs.<sup>2</sup>

iTero intraoral scanners give you:

## Accuracy

- Accurate marginal fit scans
- Accurate full-arch scans Based on 12 independent and clinical scientific studies.<sup>3</sup>

## AI scan assistance

- Auto-margin marking
- Auto-trimming of excess tissue

## Full treatment scope

- Fixed, removable, and implant prosthetics, from single crowns to fully edentulous

## Open and seamless connectivity

- Dental laboratories
- exocad\* suite of software for treatment planning and production (software not included and must be purchased separately)
- Chairside milling workflows



it starts with iTero

iTero intraoral scanners give you the tools to not only get more out of your chairtime, but help attract new patients and retain them with an amazing experience.



## Attract more patients

With dedicated state-of-the-art technology, you can make your practice more attractive in the eyes of prospective patients and position it as a trusted source for treatment.



## Patient conversation

With visualisation technology, you can help your patients fully understand their conditions and their treatment options, resulting in more patients saying “yes” to treatments.



## Monitoring and retention

Stay connected to patients throughout treatment, monitoring their progress and helping to achieve the best possible results, ensuring your patients keep coming back.

\*exocad software is not included with iTero scanner purchase. exocad software has to be purchased separately by the clinician from their designated partners.



# Design with CLAUSS™



**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 in-office 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.



## Scalability: add more indications when you're ready.

React to patient demands and increase satisfaction by easily expanding your service offerings with one or more of exocad's add-on modules.

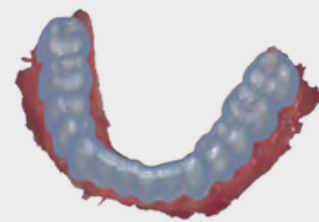
All modules are fully integrated into ChairsideCAD - providing you with one smooth, stable and seamless workflow.



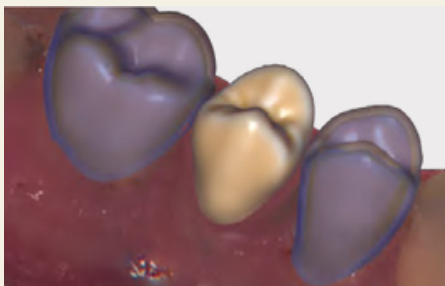
**Implant Module**  
Design abutments and screw-retained crowns and bridges.



**Model Creator**  
Create physical models from digital impression scans.



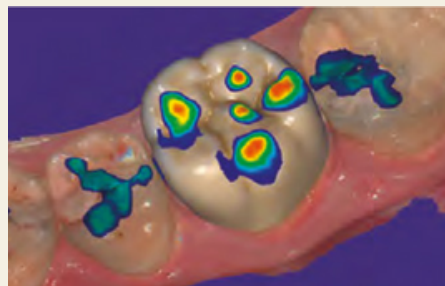
**Bite Splint**  
Module Design night guards.



**Provisional Module**  
Create eggshell temporaries from pre-op scans.



**Smile Creator**  
Predictably plan and preview esthetic restorations.



**Auto Articulator Module**  
Automatically simulate jaw movements for accurate dynamic occlusion.



# CLAUSS™ ChairsideX Series

CLAUSS™ is for clinicians who desire simplicity yet have the option to scale beyond the day-to-day one-visit workflow.

The original **ChairsideX** system offers a fit-for-purpose solution for block wet milling - think Glass and Hybrid ceramics and post-sintered Zirconia.

**ChairsideCombo** adds 98mm round blank milling in more materials including Zirconia and PMMA, maximising your materials efficiency and opening you up to more indications as well as materials. This is in addition to the wet milling available in Chairside X.

Best of all, it is supported by the experts in CAD-CAM, XYZ Dental.



## Simple

Integrated system and intuitive process enabling an easy workflow that's easy to master.



## Scale

Started with an iTero? Keep using it. We add the CAD & equipment to complete your system.



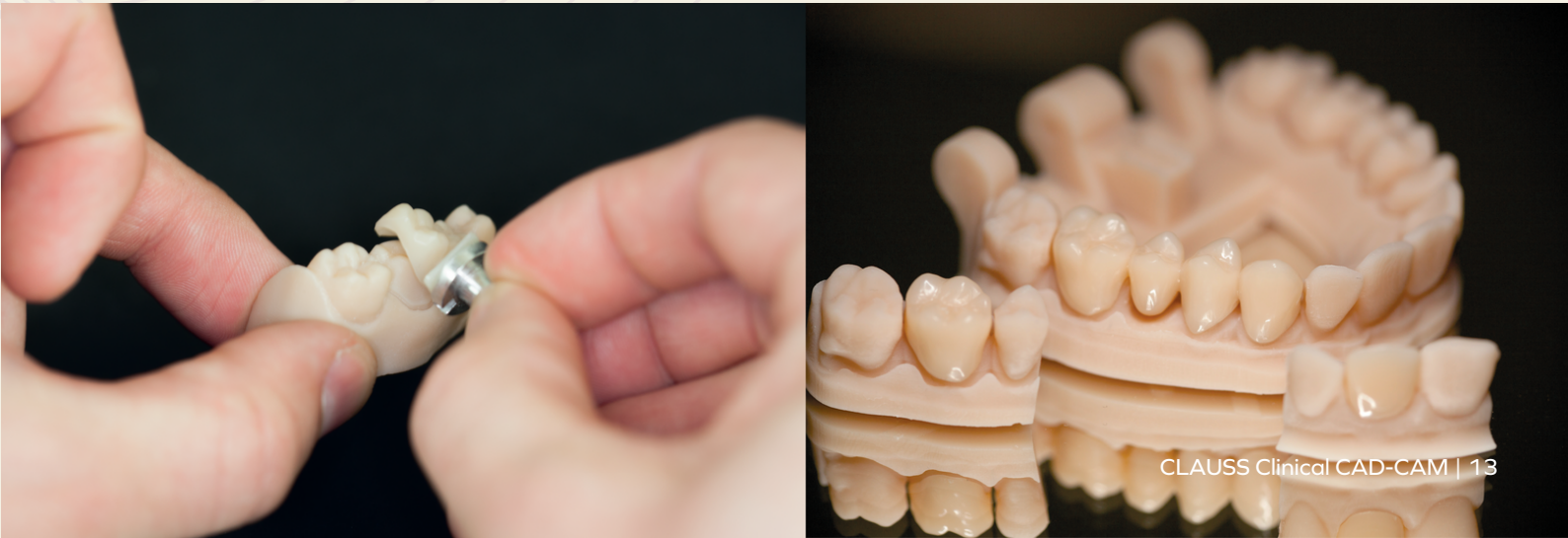
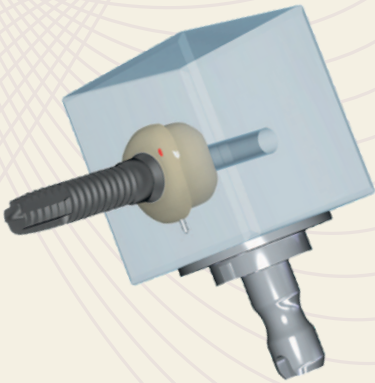
## Compact

Fits into small spaces with option to add the CLAUSS all-in-one bench unit.



## Reliability

Predictable results with lab quality, robust milling machines and 3D printers.



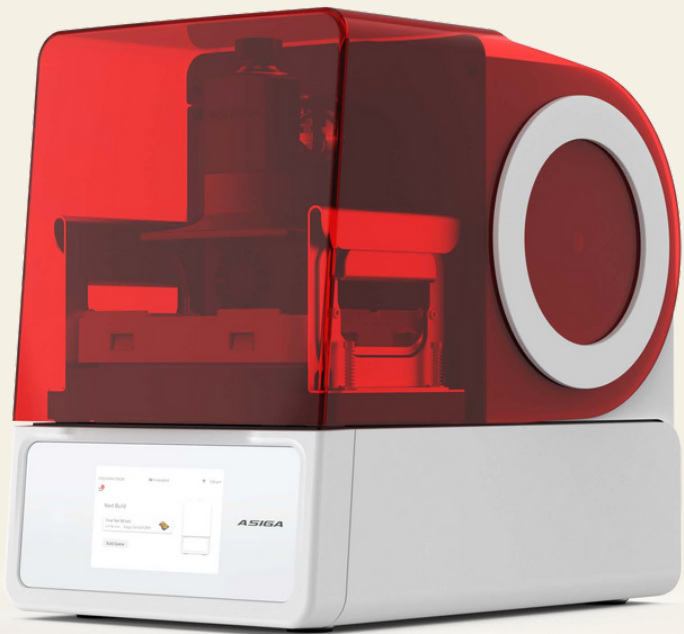
# Adding 3D printing

The Asiga MAX™ 2 is the world’s most advanced lab 3D printer offering exceptional productivity in a small footprint. With 62 micron HD print precision and open connectivity, the Asiga MAX is optimised for CLAUSS™ Clinical CAD-CAM.

## Lifetime Technical Support Guarantee

### Indications

- orthodontics
- bite
- splints/nightguards
- crown & bridge
- surgical guides
- dental models
- custom trays
- partial dentures



Build Size xyz	779 x 67 x 76mm
Pixel size	62µm
Technology	DLP imaging with Asiga's integrated SPS TM technology and auto-calibrating LED power sensor
LED Wavelength	385nm UV industrial grade LED
Material Freedom	Unrestricted and unlimited access to more than 500 industry-leading materials
Smart User Features	Intuitive user interface, 60-second calibration, Rapid material change-over
Software	Asiga Composer software. Lifetime updates included
File inputs	STL, SLC, PLY, S TM (Asiga Stomp file format)
Network Compatibility	Wifi, WirelessDirect, Ethernet
Power requirements	700-240VAC / 500Watts
System Sizing	260 x 385 x 370mm I Weight 79Kg
Warranty	72 months manufacturers warranty
Technical Support	Unlimited lifetime technical support include
Bundle include	Asiga Composer software, Asiga dental material, Asiga Flash curing chamber, calibration toolkit

# Which CLAUSS™?



	ChairsideX	ChairsideCombo
AXIS	4	5
Wet/Dry	Wet	Wet & Dry
Open materials system	✓	✓
Single-tooth restorations	✓	✓
3-unit bridges	✓	✓
Large span bridges	-	✓
Custom Metal Abutments	*	*
Milled Splints, Nightguards	-	✓
Blocks/98mm Blanks	Blocks	Blocks&Blanks
Implant Abutment holder	*	*
Metal milling	*	*
Zirconia	Post-sintered	✓
PMMA	-	✓
Glass ceramics	✓	✓
Composite resin	✓	✓
Asiga MAX2 UV 3D Printer	*	*

\* optional  
✓ included feature





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<sup>1</sup> Patient scans can be completed in as little as 60 seconds with the same accuracy and reliability that you have come to expect from iTero element scanners. Actual scan times depend on individual experience. Based on 40 iRecord scanning sessions with average scan time of 53.2 seconds (20 on DC power / 20 on battery) by 1 experienced person scanning.

<sup>2</sup> Accuracy defined as a combination of trueness and precision tested on different substrates, under different lighting conditions, for crown preparation and full-arch scanning. Based on the results of 12 peer-reviewed papers 2018-2020. Data on file at Align Technology, as of November 20, 2020.

<sup>3</sup> Accuracy defined as a combination of trueness and precision tested. Based on the results of 10 peer-reviewed papers from 2018-2020. Data on file at Align Technology as of November 20, 2020.

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•Revilla-León M, et al. Intraoral digital scans-Part 1: Influence of ambient scanning light conditions on the accuracy (trueness and precision) of different intraoral scanners. J Prosthet Dent. Dec 2019

•Kim RJ, et al. Trueness of digital intraoral impression in reproducing multiple implant position. PLoS One. 2019 Nov 19;14(11).

•Braian M, et al. Trueness and precision of 5 intraoral scanners for scanning edentulous and dentate complete-arch mandibular casts: A comparative in vitro study. J Prosthet Dent. 2019 Aug;122(2):129-136.

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•Mangano FG, Admakin O, Bonacina M, Lerner H, Rutkunas V, Mangano C. Trueness of 12 intraoral scanners in the full-arch implant impression: a comparative in vitro study. BMC Oral Health. 2020;20(1):263. Published 2020 Sep 22. doi:10.1186/s12903-020-01254-9

•Accurate marginal fit defined as close, equal or better fit compared to conventional impression techniques. Data on file at Align Technology as of April 6, 2020

•Benic GI, et al. Randomized controlled clinical trial of digital and conventional workflows for the fabrication of zirconia-ceramic fixed partial dentures. Part III: Marginal and internal fit. J Prosthet Dent. 2019 Mar;121(3):426-431.

•Zimmermann M, et al. Local accuracy of actual intraoral scanning systems for single-tooth preparations in vitro. J Am Dent Assoc. 2020 Feb;151(2):127-135.