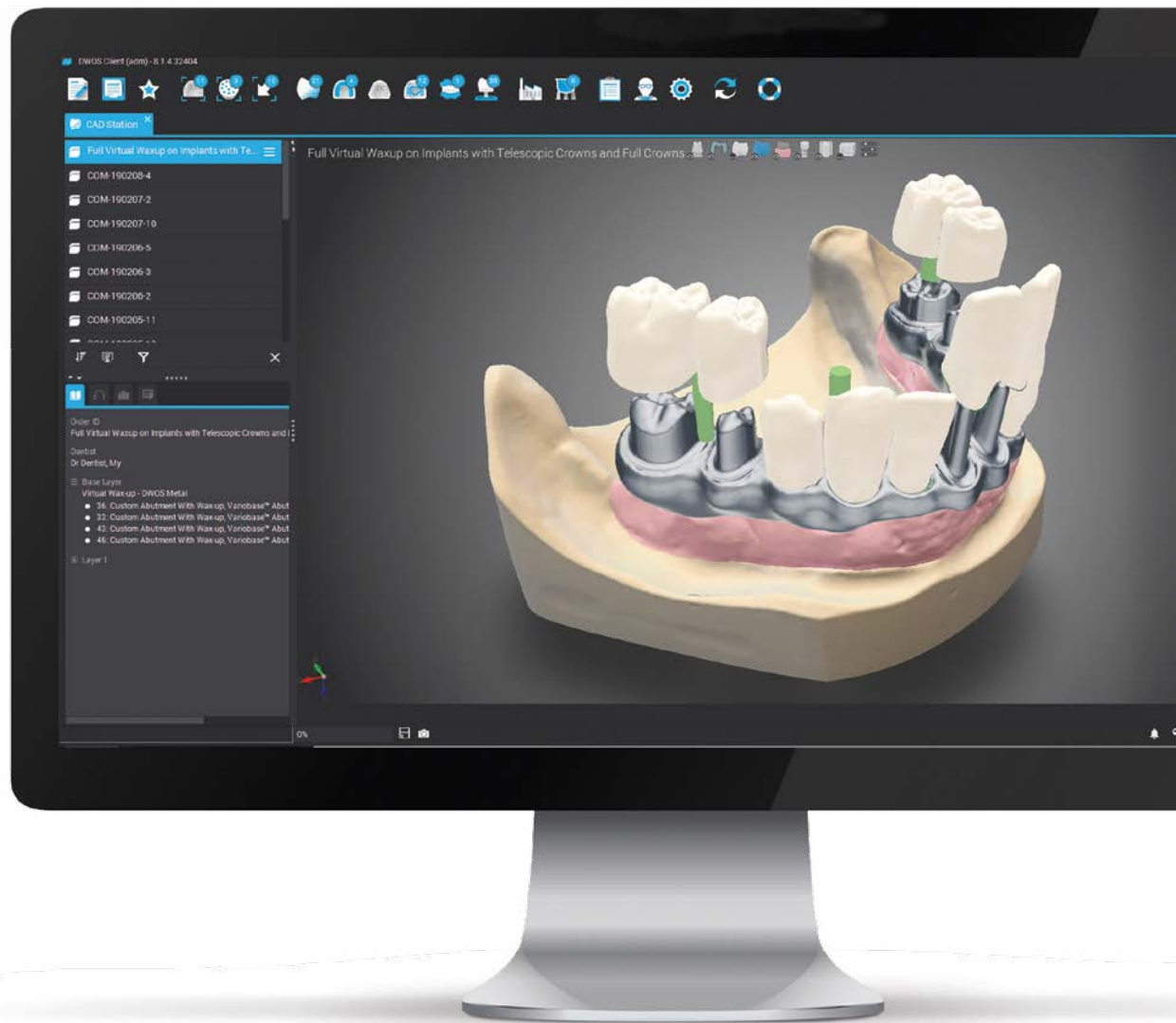# DWOS

The comprehensive and fully open CAD/CAM solution
for the design of a wide range of dental indications.

dental **wings**

Working together
to increase
your competitiveness.

DWOS is one of the most flexible and powerful open CAD/CAM software platforms available in the industry for the design of dental restorations. It is the intuitive solution for dental laboratories offering a seamlessly integrated system of technologies that work together to boost productivity and efficiency.

A broader range of prosthetic solutions and services

- Enjoy more freedom of choice: in-lab and/or external production.
- Expand the service offering of your lab.
- Offer your customers a wider service portfolio.

Increased productivity and efficiency

- Capitalize on efficient digital solutions.
- Eliminate complexity and the need to migrate between different systems.
- Increase accuracy, reduce design time and ensure quality using a validated, streamlined workflow.
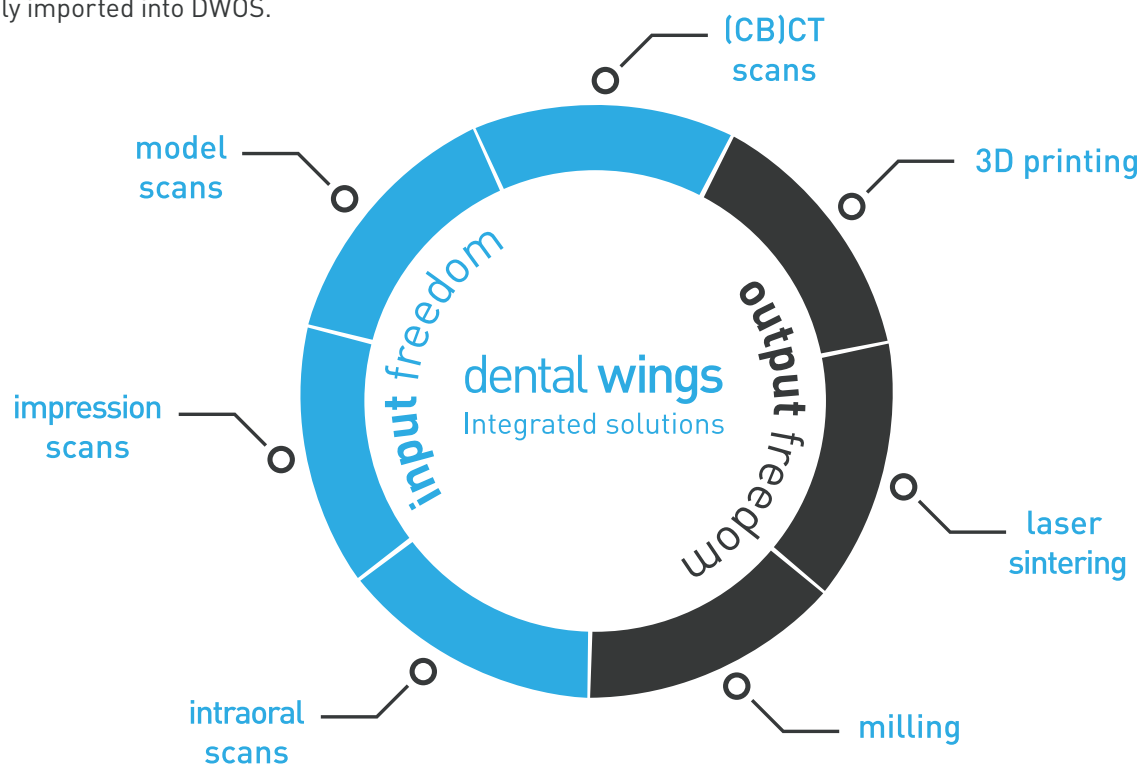
Future-proof solutions

- Ensure consistent manufacturing results.
- Enjoy the reassurance of Dental Wings customer support.

A fully open, seamless technology allowing the creation of beautiful dental restorations.

Open System

DWOS is accessible to all systems that support open data file formats. Input devices generating clinical information such as (CB)CT and intraoral scanners are easily imported into DWOS.

(CB)CT scans

3D printing

model scans

input *freedom*

dental wings
Integrated solutions

output *freedom*

impression scans

laser sintering

intraoral scans

milling

Capture clinical data in high-precision 3D scans.

Every Dental Wings scanner is supplied with the fully integrated DWOS software

to enable the design of a wide range of prosthetic restorations followed by a direct transfer into the milling solution of your choice, either in lab, or at a central milling center.

In the 3Series and 7Series scanners, high scanning accuracy is ensured by utilizing latest generation blue laser technology with proven high precision mechanical and optical components.

3Series Model Scanner

- Produce high quality scans within a 90 × 90 × 90 mm chamber.

- Unattended scanning and automatic design of up to 12 copings in 10 minutes.

7Series Model & Impression Scanner

- Scan fully articulated models in the large volume scanning chamber (140 × 140 × 140 mm).

- Unattended scanning and automatic design of up to 30 copings in 15 minutes.

Blue laser technology for high scan accuracy and resolution.

Easy access to hard drive, scanner head, and CN card.

Easy access due to wide door opening.

Easily accessible USB port for uncomplicated data exchange.

Completely enclosed scan area for easy cleaning and dust protection.

Regular software updates ensure access to state-of-the-art design options.

Digitally design and transfer. Simple.

- Eliminate complexity and the need to migrate between different systems.

- Open to importing/exporting STL, PLY, OBJ, PNG, JPEG, and LBT file.

- Dedicated CAD software enables the design of complex, highly precise and esthetic restorations.

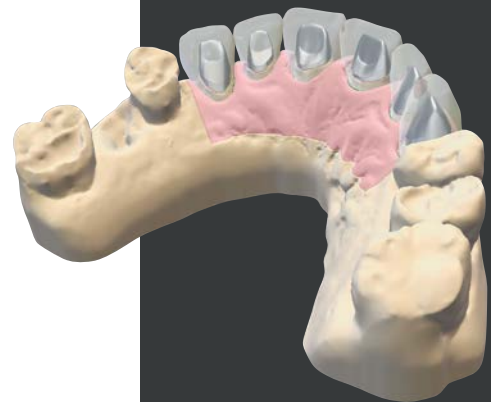- Proven and established scanning and CAD processes.

DWOS Modules	3Series SILVER package	3Series GOLD package	3Series PLATINUM package	7Series PRODUCTIVITY package	7Series SYNERGY package
Crown & Bridge	✔	✔	✔	✔	✔
Implant Prosthetics	●	✔	✔	✔	✔
Partial Frameworks	●	●	✔	✔	✔
Full Dentures	●	●	✔	●	✔
Model Builder	●	✔	✔	✔	✔
Bite Splints	●	●	✔	●	✔
Orthodontic Archiving	●	●	✔	●	✔
Rapid Prototyping	●	●	✔	✔	✔
Guided Surgery (in coDiagnostiX software)	●	●		●	●

● Optional modules that may be added as lab requirements evolve.

DWOS Crown & Bridge

The foundation of prosthetic design within DWOS with extensive capabilities that provide both very simple and efficient workflows. This modules includes numerous features to create multiple types of crown restorations.

- Full contour crown & bridge
- Coping and bridge framework
- Up to 16-unit bridge
- Anatomical telescope
- Hollow pontic
- Design of telescopic crown (parallel axis groups)
- Inlay, onlay and veneer
- Post & core
- Single abutment indication per order
- Virtual or scanned wax-up
- Telescopic bridge
- Overpressed crown & bridge
- Shell temporary bridge
- Abutment wedge
- Virtual articulator
- ¾ Crown with retention beads
- Diagnostic
- Mirror anatomy
- Attachment
- Milling area zone
- Milling with attachments
- Several free anatomy libraries available on website
- Multi-die plate

Post & core

DWOS Implant Prosthetics

Manages the design of custom abutments, healing caps, implant bars, and full virtual wax-ups for screw-retained bars & bridges, while giving access to a wide range of implant systems. This module features advanced editing functions to produce consistently precise and custom results.

- Full crown on implant
- Reduced Crown on implant
- Custom Abutment
- Telescopic Crown on implant
- ¾ Crown on implant
- Synergy Abutment
- Superstructure
- Implant bridge with gingiva
- Bar with wax-up
- Implant bar
- Healing screw
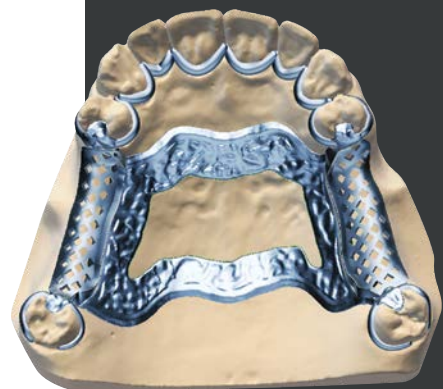- Implant screw bridge
- Scan of TiBase for implantology.

Implant bridge with gingiva

DWOS Partial Frameworks

Offers intuitive tools that design highly accurate frameworks for partial dentures in just a few minutes, for significant savings in time and materials. The features available in this module allow a combined design of removable and fixed restorations with ease.
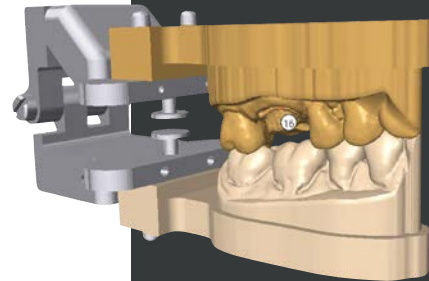
- Combined order (Telescopic crown)
- Upper or lower arch framework
- Definition of the insertion axis
- Automatic undercut detection

Upper arch framework

DWOS Model Builder

Replaces the manual model-making process with the equivalent digital creation to create consistently precise models for several indications such as upper and lower arch frameworks.

Upper and lower arch frameworks

DWOS Orthodontic Archiving

Allows the design of virtual orthodontic study models for digital archiving and digital manufacturing. Users can create 3 types of models with Tweed, American, or French.

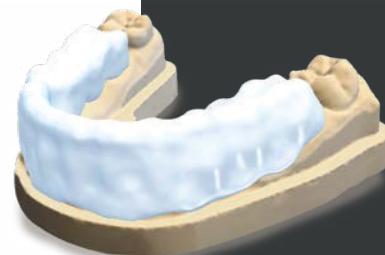

Study mode

DWOS Full Dentures

Provides an easy and efficient way to digitally address edentulous cases with functional tooth set-up and esthetic gingiva proposal.
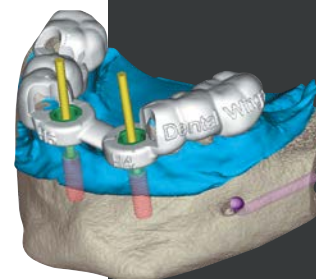

Full denture

DWOS Bite Splints

Designs protectors and mouth guards of various kinds. Module features include flattening of the bite splint and dynamic occlusion with the virtual articulator.

Bite Splint

Implant Planning & Guided Surgery

Covers implant planning and design of surgical drill guides to help dental professionals provide safe and predictable results while increasing efficiency and productivity.

Implant Planning

DWOS Synergy

Make treatment planning a truly collaborative process.

DWOS Synergy opens up a completely seamless and time-saving workflow between dentist and laboratory. It lets the dentist and lab technician plan the case collaboratively online in real time so that the prosthetic outcome can be considered when planning placement. Both DWOS and coDiagnostiX systems provide complete data visualization in order to achieve real-time surgical and restorative case planning.

coDiagnostiX®   DWOS Synergy   DWOS®

Ease of use and speed in manufacturing.

DWOS provides an open & fully integrated system featuring built-in milling workflow. The CAM module includes an elaborated collision control and evasion to ensure a high degree of process reliability. Simply connect the software to mill prosthetics without investing in additional hardware.

- Quick nesting, easy positioning and alignment of designs in the blank.

- Nesting for different blank and block shapes.

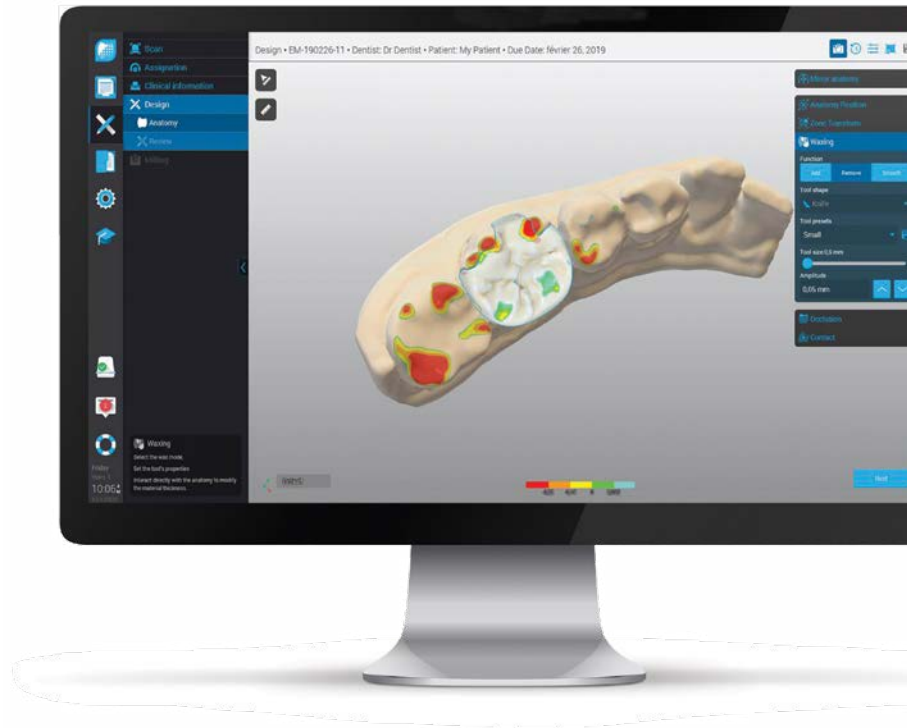- Sinter support block for long-span zirconia restorations.

Validated workflows to make your life even easier and more predictable.

DWOS EASY Mode

DWOS Easy Mode offers an intuitive streamlined workflow.

From scan to design to manufacture, this simplified workflow available in the software, guides the user step by step through the production of a full crown, reduced crown, inlay, onlay, veneer, full crown on implant, reduced crown on implant and custom abutment.

Enjoy the reassurance
of Dental Wings
customer support.

International: 514 807 8485
Canada & US: 1 888 856 6997
support@dwos.com

dental wings

T   514 807.8485 **|** 1 888 856.6997 (toll free in U.S. & Canada)
E   info@dentalwings.com
W   dentalwings.com/dwos