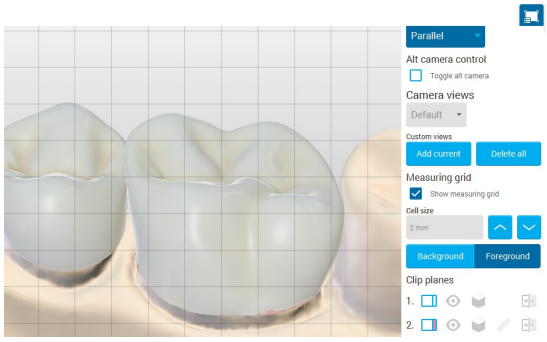
DWOS® Chairside 2.1 Release Info

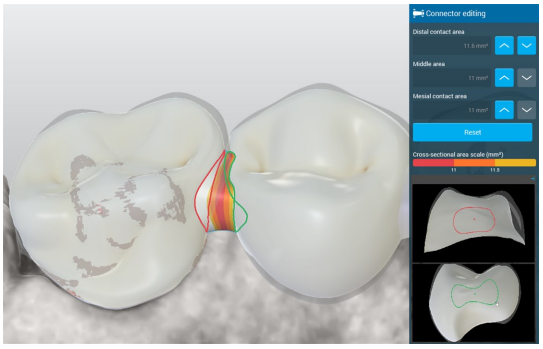
December 2018

Dental Wings has released a new update for DWOS Chairside, the in-office design software that facilitates better outcomes for patients.

The main new features of version 2.1 include access to a full set of Straumann® pre-milled blanks for the CARES® C series mill, the improved matching of a case's material and implant kit between the Dental Wings Intraoral Scanner and DWOS Chairside library, access to new connector design tools and the possibility to load multiple scan files for the same element.

The Release Notes section provides a complete list of improvements and bug fixes. This is followed by the In Pictures section where some of the improvements are explained in more detail.





Release Notes

New Features

Pre-milled Abutments[1]

- Integration of Straumann® CARES® C series pre-milled abutment workflow from design to milling
- A complete portfolio of certified pre-milled blanks to choose from.

Matching Materials and Implant Kits Between Dental Wings Intraoral Scanner and DWOS Chairside

- When importing cases from the Dental Wings Intraoral Scanner, it is now easier to match materials and implants with items from the DWOS Chairside library. The incorporated mapping scheme into the case detects the corresponding material.
- If an exact match is not found, the DWOS Inbox will sort the library and display suggestions that meet the requirements of the case.

New Design Tools

- Live measuring tool will instantly display the distance between the pointer and the closest point of the adjacent teeth, the lower and upper arches, and the minimum thickness.
- Precise measuring tool takes multiple measurements from the different elements (model, prosthesis, minimum thickness, gingiva).
- Grid display for proportion indication facilitates design, especially for anterior teeth.
- Smoothing option at the merge step to polish up the elements before milling.
- Alternate view for complex margin detection cases.

Option to Load Multiple Surface Files for the Same Element

- Import multiple files for upper, lower, occlusion, gingiva or wax-up.
- Allows the integration with other systems, such as Carestream CS 3600 or 3SHAPE® Trios® intraoral scanners, which could register more than one bite information.

[1] Not available in the USA

Improvements and Bugs Fixes

Design

- Improved initial proposal for inlay, onlay and veneer indications.
- Improved contact point computation between 2 preparations.
- Improved the mirror anatomy behavior.

Connectors Design

- A specific widget to drag and draw the mesial and distal contours of a connector.
- Option to switch between natural and physical connectors on demand.

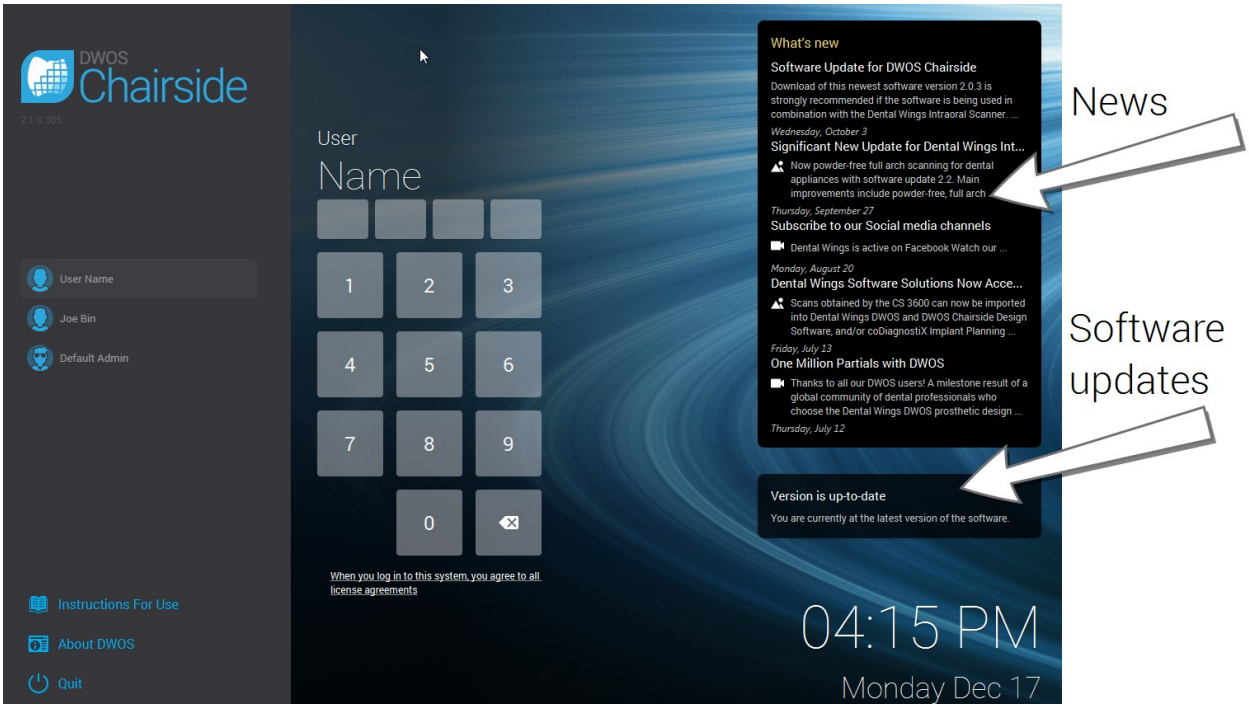
Other Improvements

- Improved translations in French, German, and Chinese.
- Home screen : A dedicated RSS feed with news from user's Dental Wings distributor on DWOS Chair-side features and improvements, as well as the full Dental Wings Chairside restorative workflow.

In Pictures

Home Screen

News from Dental Wings, your local distributor, events, novelties, launches, workflows and more, are updated in real-time on the home screen. Information about available software updates with direct link when available ,displayed for user's convenience.



Matching Material and Implant Kit from Dental Wings Intraoral Scanner

Material and implant information must be entered when creating a case with the Dental Wings Intraoral Scanner. However, libraries from the design station and intraoral scanner may vary, and a matching material file or implant kit may not be found. With the mapping scheme inserted in the order, it will become much easier to match imported case information with the DWOS Chairside library. Moreover, if an exact material or implant match is not found, the DWOS Inbox will sort the library and display suggestions to meet the initial requirements.

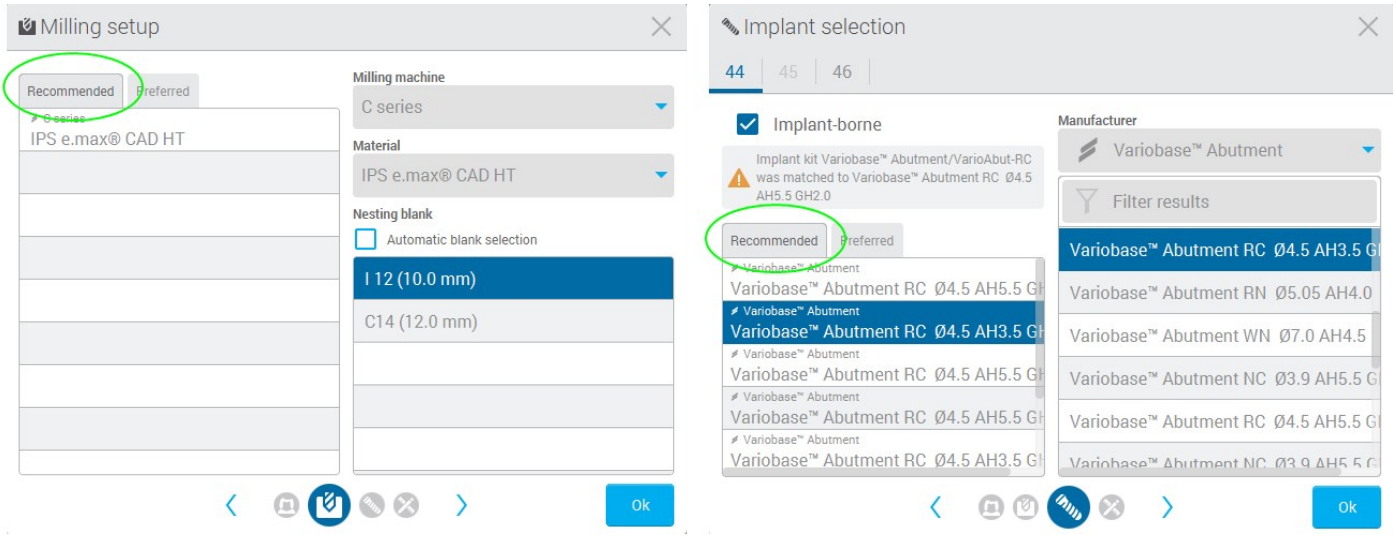
1. Select the case in the Inbox and click the *Edit* button (bottom-right).
2. The case editing interface pops up.

Tooth-borne restoration

In the *Milling Setup* section, a list of recommended materials is presented. A selection may be made that is compatible with the clinician's request.

Implant-borne restoration

Following the selection of a recommended materials, a list of compatible implants has been grouped in *Implant selection* section, under the *Recommended* tab.

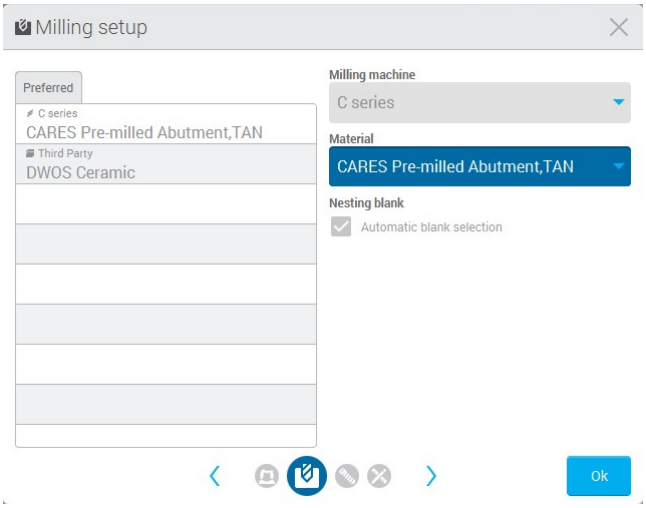


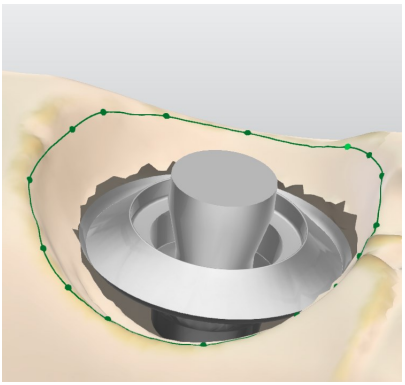
Pre-milled Abutments[1]

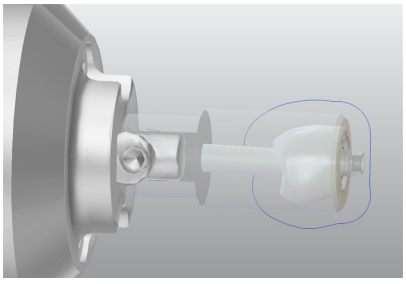
The Straumann® pre-milled abutment workflow is supported in DWOS Chairside from design to milling. Choose from a complete portfolio of certified pre-milled blanks and work with perfectly matching components. Pre-milled blanks allow users to save precious time for maximum return on investment.

Users of the Straumann® CARES® C series mill will see their material library updated with pre-milled blanks:

1. Select the pre-milled block as material.
2. Select the matching implant.
3. Proceed with the assignation, margin, axis and design steps.
4. When in the milling step, the restoration is tied to the pre-milled interface and can not be moved inside the blank. The design must fit entirely inside the blank. If this is not the case, use the workflow bar (on the left) to return to *Anatomy* and modify accordingly.







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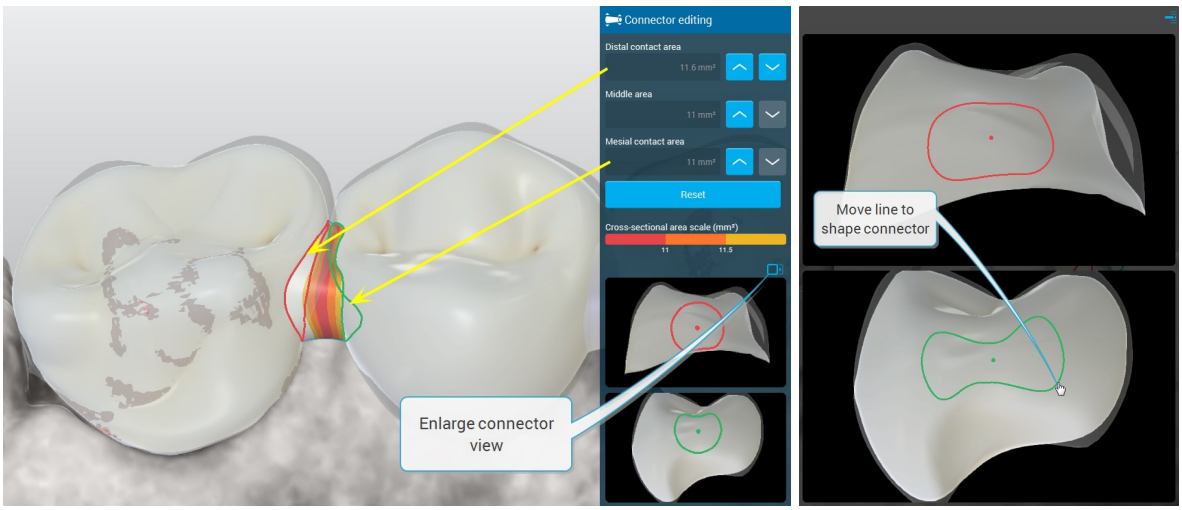
Connector Design

Connectors can be shaped freely by moving their contour line on distal and mesial sides.

1. If needed, enlarge the connector area view by clicking on the *Expand view* icon.
2. Use the pointer to freely shape the green and red contour line.

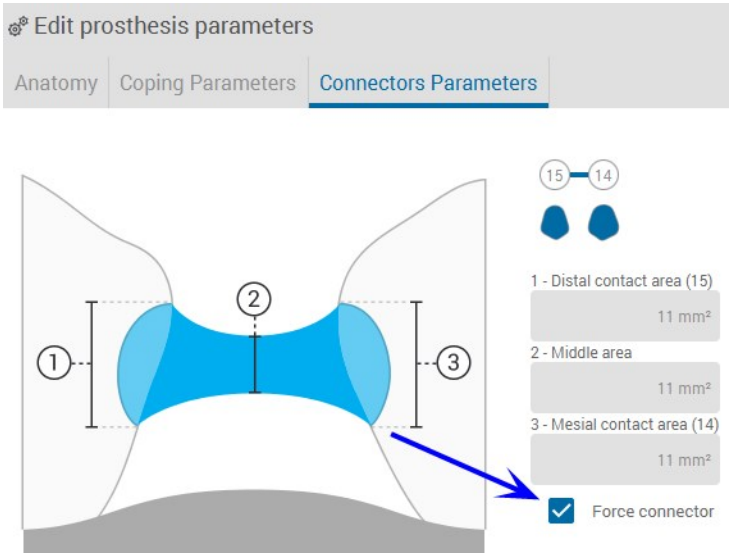
It is still possible to use the parametric method by entering a value for the area of mesial and distal contacts.



Force Connector

When two teeth of a bridge are not touching each other, a connector is computed between them. When anatomies make contact, they are linked with a *natural connector*. In this case, it is still possible to insert a connector if needed. Choose this option in *Edit prosthesis parameters > Connectors Parameters*.

When the checkbox *Force connector* is ticked, a connector will always be created between the elements of a bridge. To keep the ability to design natural connectors, leave this box unchecked.



Enhanced Measuring Tools

Measuring tools are easily accessible through icons that are now found in the main design view. They include a new *Live Measurement* tool. A grid can also be displayed in the background of the design view as a quick reference for distances and measurements.

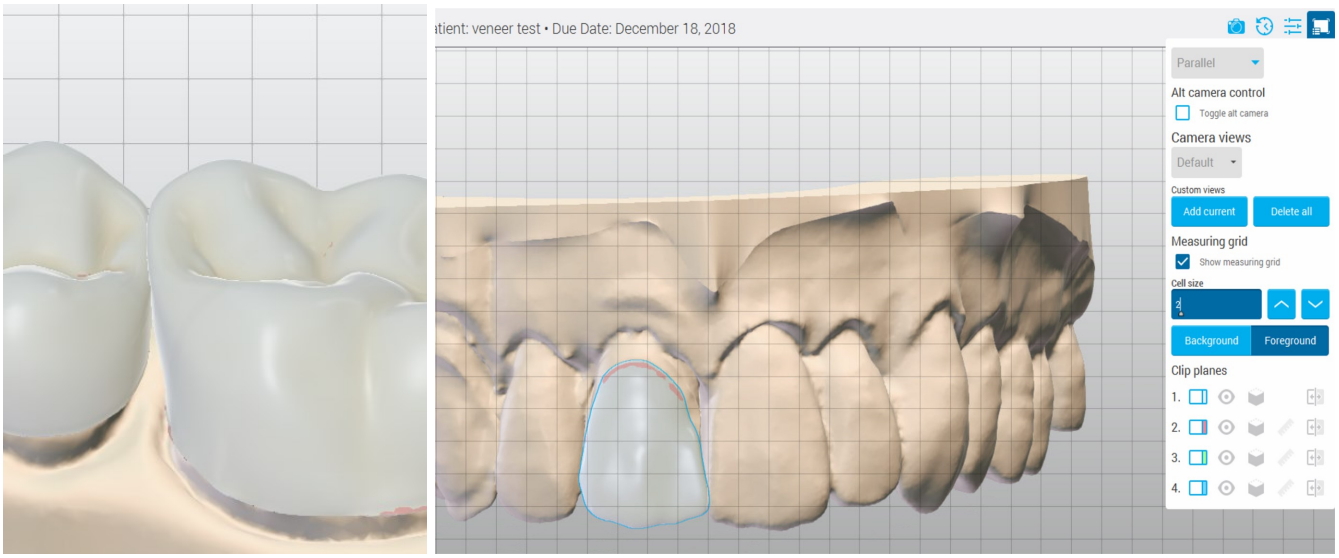
Grid

A reference grid can be displayed in the design view.

1. Open the view options  .
2. Select the checkbox *Show measuring grid*.
3. Customize the distance between the lines in the field below.

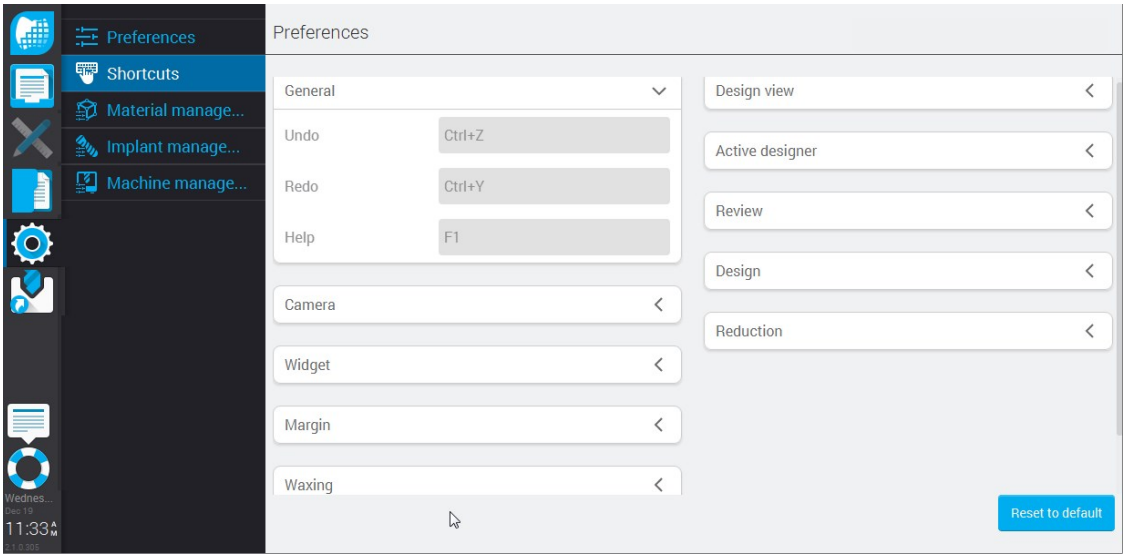
The grid provides a quick distance reference point while designing. The intervals between the lines can be set to a custom distance between 0.1 mm and 10 mm. Furthermore, with the *Foreground* and *Background* buttons, the grid could overlap the model and design.

Keyboard shortcut: **G**- Toggle between Grid in the background / Grid on the foreground / No grid



NOTE

Keyboard shortcuts can be customized in the user preferences interface: > *Shortcuts*.



Live Measurements

Live measurements instantly display the shortest distance from the pointer to the closest point of a specified surface.

Minimum thickness: when the pointer is on a restoration, the measurement displays the thickness of the material at this point.

Upper arch: shows the measurement (or distance) between the pointer and the upper arch.
If the design is on an upper arch, this helps with interproximal contacts; if on a lower arch, it helps with occlusal contacts.

Lower arch: shows the measurement (or distance) between the pointer and the lower arch.
If the design is on a lower arch, this helps with the interproximal contacts; if on a upper arch, it helps with occlusal contacts.