Software Update – What’s New

Software Version 8.8.0.
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1. New Features and Products in Straumann® CARES® Visual

1.1 Custom Milled Bar on Implant Bases

**Design Features**

Ability to choose the Milled Bar as a new bar profile. The Milled Bar can be designed using the grippers located on the bar and with the parameters located in the bar designer.

For Straumann SRBB Materials, the Width and Height can be set to these min. values:

- Width: 2mm
- Height: 3mm

The Angle sets the Slope Angle of the Milled Bar. This Value sets the angle for both sides simultaneously and can be set from 0° to 12° (max. 6° for one side).

The rounding radius applies rounding to the profile corners and can’t be set smaller than 0.3mm. This ensures that no sharp edges can be created.

For the Milled Bar, Grippers can be moved freely which allows the CARES user more flexibility. The bar’s width and height can be altered at every control point. Further control points can be added by clicking the bar’s top surface.
The top surface of the Pillar can be dropped into the Milled Bar surface.

A lowered Pillar and rounded Edges between Pillar and Bar generates a homogeneous Bar design.

The Milled Bar is also automatically adapted to the Gingiva Profile with an offset (if preferred), when it penetrates the model/gingiva surface.

**Note:** The Milled bar should be placed so that the minimal height of the bar (3mm) after gingival adaption is maintained. If the bar is placed lower than this, the milled bar will impinge with the patient gingiva.

**Tip:** Holding the Ctrl. Key when moving the blue arrow to change the bar height, will apply the changes to all segments.

**Tip:** After adaption, check that the adapted bar lies above the gingiva.
Attachments

A set of Attachments is available for the Milled Bar. The CARES user can choose from Spacer Blocks (in three different heights), from a Locator and from an SFI Anchor (both not delivered with bar).

Spacer Blocks are part of the final Milled Bar. The Locator and SFI Anchor are only displayed to make the positioning easier. A thread will be milled into the Bar, where the middle position of the Locator / SFI Anchor was set.

Note: The Locator and SFI Anchor both have a protection body with a min. height of 3.6mm. This Value has to be respected if the bar has to be adapted to the gingiva profile.

Tip: The Spacer Blocks can only be placed on a flat planar top bar surface. Single or Multiple Plane will have to be selected for this.
1.2 CARES Standard Bar Profiles for an Acrylic Wraparound

The CARES user can choose from two specific bar profiles, which can be designed in free plane mode and used as retentions for a fixed denture.

Note: These bar profiles may not be available in some countries due to registration.
1.3 Screw-Retained Abutment Implant System for Bars and Bridges on Implant Bases

The CARES user can use the Screw-Retained Abutment Implant System (SRA) for all Straumann supported SRBB Indications and Materials.

The use of the New Scan Body for the Implant Systems SRA35 and SRA46 is mandatory for the Reconstruction.
SRA Implant System, showing an angulated Abutment.

The Screw Retained Abutment is screwed into the Implant. This can be an angulated Abutment, to correct the angles between the Implants.

The SR-Bridge or Bar is then screwed onto the Abutments.
1.4 Directly Venerable Titanium Abutment (TAN)

The CARES user can use Directly Venerable Titanium Abutments with the following Implant Platforms: NC, RC, RN and WN, for the Prosthesis Subtypes Reduced Crown on Implant and Custom Abutment with Waxing.

1.5 Material enhancements for Variobase Crowns and Copings

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Some of the material combinations might not be available within some countries due to registration.
2. Improvements to present Straumann® CARES® Visual Features

2.1 Scan Data Import available in the validated Workflow

The CARES user is able to Import Scan Data (as *.stl Files) by using the Scan Import from the Top Menu or with the „Use 3D Scan Files“ from the Arch Scan.

The source “Scan Import“ is then an Order Parameter. This information is visible in Order Management.

Tip: Using the workflow over the arch scan allows the CARES customer to use the CS2 Scanner and import files, if files or scans are missing.

NOTE:
The user is responsible for ensuring that the quality of the scan source allows reliable design of the desired prosthesis. The Stone Model still needs to be sent in for SRBBB Projects.
2.2 Improvements to the Initial proposal

By setting the Clinical Arch (optional step), the initial proposal will be computed with improved accuracy.

This optional step can be used after every jaw scan, independent of the indication.

The three points should be set according to these clinical points:

1. The distal ridge of the last molar of the first/third quadrant
2. The contact point between the front teeth
3. The distal ridge of the last molar of the second/fourth quadrant

**Tip:** Changing the bend of the Clinical Arch halves can be utilized by clicking and holding the dorsal grippers and turning the mouse wheel.
2.3 Decreasing the Default Material Thickness Parameter

The CARES user is able to reduce the minimum thickness parameter for all Straumann® Blank materials for tooth borne indications (except for polycon cast) under the default value. This value can be changed using the “Recompute” function or during Parameter / Axis setting after scanning.

The default value is the manufacturers recommended value. This value can be reduced to a value which represents the smallest producible value that still passes an internal quality check.

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<td>0.3mm</td>
<td>0.2mm</td>
<td>0.2mm</td>
<td>0.3mm</td>
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2.4 Enhancement to the Shipping Summary

When the CARES user creates an order containing Variobase Abutments, the Variobase can be omitted from the order. In this case only the coping or crown will be delivered.

After choosing “send to Straumann” the shipping summary will appear. Before validating the order, make sure that the preferred setting is checked.

**Tip:** If chosen, this function is applied to every Variobase Abutment in that Summary. If you wish to apply this function for each Abutment separately, you will need to send the items individually and not as part of the whole order. This can be done by pressing “Send to Straumann” on each item and not on the order.
2.5 Improvements to the User Interface

The User Interface for the Bar designer has been improved to reduce complexity.

Tip: The reset button will undo all design changes without changing the bar profile.

2.6 Enhancement to Zerion HT Bridge Span

The Bridge span for Zerion HT has been raised to 4 Units.
3. Bug Fixes within Straumann® CARES® Visual

Bar to gingiva adaption has been improved to enhance reliability.

Scanning adjacent teeth from Model in Dual Arch orders has been improved to ensure that the correct tooth position is scanned.

Scan Body reconstruction has been improved to ensure that neighboring implants with very small interdental gaps are reconstructed correctly.

4. New Tips and Tricks

The Gingiva Profile can be scanned in two different ways (Local over the Implants local menu or global over the pink button in the vertical menu). Combining both workflows will give the CARES user the best results (for example for deep bone level profiles). In this case, first scan the gingiva globally and then locally.