Straumann® CARES® Visual 11.2
Software Update – What's New CARES Visual

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1. NEW CARES® Products and Features – Centralized Milling

1.1 Zirconia: 3M™ ESPE™ Lava Esthetic new portfolio

Our Straumann® CARES® Portfolio is now extended with restorations milled out of 3M™ Lava™ Esthetic Fluorescent Full-Contour Zirconia. 3M™ Lava™ Esthetic is the first zirconia with inherent, tooth-like fluorescence for high-esthetic full-contour cases.

- **High translucency**, optimized for esthetic full-contour anterior and posterior restorations
- **Excellent shade match** to VITA® Classic shades with unique shading technology and built-in shade gradient.
- **Durable full-contour**. 800 MPa through and through*, indicated for crowns and bridges up to 3 units*
- Featuring a one-of-a-kind shading technology, 3M™ Lava™ Esthetic zirconia combines the esthetics of glass ceramics with high full-contour strength.

The 3M™ Lava™ Esthetic restorations are recommended for the following indications:
- up to 3 unit bridges (molar included)
- constructions heights up to 16.8 mm
- high translucent multilayered shades A1, A2, A3, A3.5 and D2

CARES® Visual software offers the possibility to visualize the different material layers and position the restoration as required to obtain an optimal aesthetic result with minimal processing and efforts.
With 3M™ Lava™ Esthetic, positioning of the restoration in the disc is easy due to its simple layer concept:

* 3-point bending strength according to ISO 6872:2015, please refer to the instructions for use for details

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VITA® is a registered trademark of VITA Zahnfabrik H. Rauter GmbH & Co. KG, Germany.

1.2 Zirconia: zerion® ML and UTML new shades

The zerion® ML and UTML portfolio is now extended with new shades.
zerion® ML and UTML zirconia (manufactured out of KATANA™ ML and UTML zirconia discs from Kuraray Noritake) are multi-layered zirconia solution featuring a shade and translucency gradation mimicking the natural tooth for highly aesthetic results with minimal processing

- High esthetics
- High efficiency gains
- Cost-effective prosthetic options
- Broad range of applications for high flexibility for zerion® ML
The zerion® UTML ultra-high translucent zirconia is recommended for the following indications:

- up to 3 unit bridges (molar excluded in bridge constructions)
- constructions heights up to 17.14 mm
- multi-layered shades Bleach, A1, A2, A3, A3.5 (NEW), B1 and B2 (NEW)

The zerion® ML high translucent zirconia is recommended for the following indications:

- up to full arch
- constructions heights up to 17.14 mm
- multilayered shades A light, A Dark, B light, C light and D light:
  - A Light corresponding to VITA tooth shade A 2
  - A Dark corresponding to VITA tooth shade A 3.5
  - B Light corresponding to VITA tooth shade B 2
  - C Light corresponding to VITA tooth shade C 2 (NEW)
  - D Light corresponding to VITA tooth shade D 2 (NEW)

CARES® Visual software offers the possibility to visualize the material layers and position the restoration as required to obtain an optimal aesthetic result with minimal processing and efforts.

KATANA™ is a trademark of Noritake Co., Ltd.
VITA® is a registered trademark of VITA Zahnfabrik H. Rauter GmbH & Co. KG, Germany.
1.3 Zirconia: 3M™ Lava™ Plus new design options

The 3M™ Lava™ Plus portfolio (high translucent zirconia) is now extended with more design options.

- High esthetics with true colors with enhanced translucency
- 3M durability
- strength and versatility

Courtesy of 3M

The 3M™ Lava™ Plus restorations are recommended for the following indications:
- up to full arch
- constructions heights up to 23.21 mm (NEW increased restoration height) ideal for full arch and full contour restorations
- highly translucent shades A1; A2; A3; A3.5; A4; B1; B2; B3; B4; C1; C2; C3; C4; D2; D3 and D4 and 2 high translucency Bleach shades: W1 and W3

1.4 Zirconia: zerion® LT

Our Straumann® CARES® Portfolio features a low translucent zirconia (zerion® LT).

- Broad range of applications for high flexibility
- High-stability frameworks designed for predictable prosthetic outcome

The zerion® LT restorations recommended for the following indications:
- up to full arch
- constructions heights up to 15.35 mm
- low translucent shades Bleach, Light 1, 2, 3 and 4, Medium 1, 2 and 3, Dark
1.5 Zirconia: zerion® GI

Our Straumann® CARES® Portfolio features a **gingiva shaded zirconia** (zerion® GI), especially suitable for fixed bars, gingiva support / replacement solutions.

- Efficient solution for gingiva former and fixed bars
- High-stability frameworks for restorations up to full arch
- **Streamlined processing for increased efficiency**

The zerion® GI restorations are recommended for the following indications:
- up to full arch
- constructions heights up to 13.96 mm
- low translucent shades 68 and 85
1.6 Zirconia: Brief portfolio overview

Our Straumann® CARES® Portfolio feature a large choice of zirconia materials and brands to provide the restorative team with a broad range of treatment options.

<table>
<thead>
<tr>
<th>Restoration length</th>
<th>Full arch</th>
<th>≤ 3 units¹</th>
<th>≤ 3 units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Translucency Shades</td>
<td>LT 2 shades</td>
<td>LT 9 shades</td>
<td>HT 18 shades</td>
</tr>
<tr>
<td>Restoration height</td>
<td>Up to 13.96 mm</td>
<td>Up to 15.35 mm</td>
<td>Up to 23.21 mm</td>
</tr>
<tr>
<td>Type</td>
<td>Monochromatic</td>
<td>Multi-layered</td>
<td></td>
</tr>
</tbody>
</table>

UHT: Ultra High Translucent  |  HT: High Translucent  |  LT: Low Translucent

¹ molar crown is possible, but molars are not possible in the bridge context
1.7 NNC Straumann® Variobase® for Bridge/Bar Cylindrical

New upper shape to support reliable retention
The new upper cylindrical shape supports a reliable bonding result. Thanks to the lower non-engaging conical shape, high angulations to the implant can be compensated. This solution is now also available for Tissue Level NNC implants.
2. NEW CARES® Products and Features – In-house Milling

2.1 Ti-Base supported Abutments in glass and hybrid ceramic blocks

Straumann enables users to grind a screw channel (thrilling) in glass and hybrid ceramic blocks for Ti-Base supported abutments. The thrilling mode is available in CARES M-Series NG with a 100 000 rpm spindle for the following materials: IPS e.max CAD, n!ce, VITA Enamic, VITA Suprinity, VITA BLOCS Mark II

The following Material and Ti-Base-dependent fitting values can be recommended to achieve a good fit:

<table>
<thead>
<tr>
<th>Material</th>
<th>n!ce HT/LT</th>
<th>Vita Suprinity HT/T</th>
<th>Vita Enamic HT/T</th>
<th>IPS e.max HT/LT</th>
<th>VITA Mark II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abutment</td>
<td>Interface</td>
<td>Abutment</td>
<td>Interface</td>
<td>Abutment</td>
<td>Interface</td>
</tr>
<tr>
<td>Brand</td>
<td>Base [μm]</td>
<td>cement space [mm]</td>
<td>Base [μm]</td>
<td>cement space [mm]</td>
<td>Base [μm]</td>
</tr>
<tr>
<td>Straumann</td>
<td>+30~+40</td>
<td>0,04 - 0,05</td>
<td>+30</td>
<td>0,04 - 0,05</td>
<td>+30~+40</td>
</tr>
<tr>
<td>Medentika</td>
<td>+10 - +20</td>
<td>0,01 - 0,02</td>
<td>+10 - +20</td>
<td>0,01</td>
<td>0 - +10</td>
</tr>
<tr>
<td>Neodent</td>
<td>+10 - +20</td>
<td>0,01 - 0,02</td>
<td>+10 - +20</td>
<td>0,01 - 0,02</td>
<td>0 - +10</td>
</tr>
</tbody>
</table>

When a positive compensation value is used, e.g. +40μm, ensure that the minimal wall thickness is also increased by 40μm, so that the prosthesis has sufficient strength.
3. General enhancements of CARES® Visual®

- Complete wax-up scan also for Straumann centralized Milling
- Model Builder Improvements
  - Dreve socket becomes more flexible
  - New Model Parameter pictures
  - Analog holder radial offset and articulator parameters are now material dependent
  - Enable / disable pin and model shape
  - Hole attachment and stump
  - Import external files
- Full Virtual Wax-up improvements
  - Adapt Anatomy on diagnostic Wax-up
  - Mirror Anatomy
- 3D Mouse integration enhancements
- Minor enhancements and bug fixes

For a detailed Software What’s New, please have a look at the Software integrated Online Help.