PROSTHETIC SOLUTIONS

ONE-STEP RESTORATIONS

CARES® X-Stream™

CUSTOMIZED ABUTMENTS

CARES® Variobase™ Abutment
CARES® Abutment, titanium
CARES® Abutment, ZrO₂

SCREW-RETAINED BRIDGES AND BARS

CARES® Screw-retained Bridge
CARES® Bar

FULL-CONTOUR RESTORATIONS

CARES® Full-contour crowns

CROWN AND BRIDGE FRAMEWORKS

CARES® Crown and Bridge frameworks
The market for dental restorations presents a broad variety of prosthetic offerings. As a result, customers experience constant challenges to make the right choice when it comes to fulfilling their primary product needs of high efficiency, cost effectiveness and long-term reliability.

Thanks to the trustworthy relationship with dental clinics and laboratories for close to 40 years, Straumann cares about what matters to you and your business. We are committed to adapting our service and products to your clinical and professional needs. Straumann® CARES® customized solutions deliver all you will need in your practice or laboratory.

With CARES® X-Stream™ you have a service that provides an implant-based single-tooth prosthetic restoration in only one step:

You do 1 scan, 1 design and receive 1 delivery.

Ensuring a perfect harmony of design, Straumann abutments are engineered for an original and precisely attuned fit on Straumann implants. The proven clinical long-term success explains why “Once you go Straumann, you never go back” – simply because our exceptional quality delivers more!
2. ORIGINAL STRAUMANN® IMPLANT-ABUTMENT CONNECTION

THE PERFECT MATCH IN EVERY RESPECT

ORIGINAL STRAUMANN® COMPONENTS ARE THE RECOMMENDED CHOICE

YOUR DECISION FOR ORIGINAL STRAUMANN COMPONENTS IS ESSENTIAL

All components complement each other in a precisely harmonized system combining excellent quality and great flexibility. Designed for esthetic results your patients will surely appreciate – and remarkable endurance and durability you can fully rely on. Straumann ensures the consistent quality of all original Straumann components through high-precision manufacturing and exceedingly thorough inspection processes.

THE RIGHT CHOICE FOR SELECTED QUALITY.

1. Avoiding peak stresses with conical screw head
2. Providing precise guidance at assembly with radial contact surfaces (screw and abutment)
3. Assuring a sealed connection with tight conical implant-abutment interface
4. Giving high stability with deep implant-abutment engagement
Recent publications underline the importance of using original Straumann prosthetic components to restore Straumann implants:

### Implants with Original and Non-Original Abutment Connections

**Conclusion:** “Non-original abutments differ in design of the connecting surfaces and material and demonstrate higher rotational misfit.”

1. **Straumann® BL NC 3.3 Roxolid® – Straumann® CARES® Ti abutment**
2. **Straumann® BL NC 3.3 Roxolid® – Astra Tech ATLANTIS™ Ti abutment**
3. **NobelReplace® Straight™ 3.4 NP – NobelProcera™ Abutment Ti**
4. **Astra Tech OsseoSpeed™ TX 3.5 S – Astra Tech ATLANTIS™ Ti abutment**

The original Straumann connection shows the smallest rotational misfit.

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Straumann exactly knows the dimensions, tolerances and materials of Straumann implants, and can therefore optimally harmonize the design between Straumann implants and their corresponding Straumann prosthetic components.
3. STRAUMANN® CARES® CUSTOMIZED ABUTMENT

WORK WITH CONFIDENCE – CUSTOMIZED, ESTHETIC, RELIABLE ORIGINAL STRAUMANN SOLUTIONS

We have developed the Straumann® CARES® Customized Abutments to provide you with the foundation for exceptional restorative results. The high design flexibility combined with the high standards of precision make our customized abutments an outstanding benefit for practitioners and dental technicians alike.

THE CARES® CUSTOMIZED ABUTMENT OFFERS YOU AS A DENTAL LABORATORY A RANGE OF ADVANTAGES WHICH YOU CAN PASS ON TO YOUR CLIENTS

- Customized shape and patient-specific emergence profile
- Validated long-term performance due to the original Straumann connection
- Optimized path of insertion thanks to the design flexibility to adjust angulations
- High convenience in the restoration procedure thanks to an accurate design allowing time saving and cost efficiency
CARES® ABUTMENT, ZIRCONIUM DIOXIDE (ZrO₂)

PRACTICE

- Mechanical stability and proven biocompatibility allows highly reliable dental restorations
- The white color allows for highly esthetic dental restorations especially in the anterior region and for patients with thin gingiva
- Available in both screw-retained and cement-retained restorations

LABORATORY

- High design flexibility
- Direct veneering is possible to waive the creation of a coping

STRAUMANN® CARES® CUSTOMIZED ABUTMENTS BRING YOU MORE.
1. Avoiding peak stresses with conical screw head
2. Providing precise guidance at assembly with radial contact surfaces (screw and abutment)
3. Assuring a sealed connection with tight conical implant-abutment interface
4. Giving high stability with deep implant-abutment engagement
5. Patented engaging mechanism between Straumann® CARES® Variobase™ Abutment and Coping

9 NEW ZERION® LT (LOW TRANSLUCENCY) SHADES AVAILABLE
High design flexibility allows the abutment to adapt to the patient’s oral situation

Covered by 10-year Straumann® Guarantee

Excellent material properties designed for reliability

Available for screw-retained and cement-retained restorations

**BLANK SIZE ENLARGED – MORE THAN 20% TO INCREASE YOUR DESIGN OPTIONS**

### CARES® Abutment, ZrO₂
- 10 mm NC
- 13 mm RC
- 13 mm RN

### CARES® Abutment, titanium
- 10 mm NC
- 13 mm RC
- 13 mm RN
- 15 mm WN

**NEW!**
4. ONE-STEP PROSTHETIC SOLUTION – STRAUMANN® CARES® X-STREAM™

1 SCAN, 1 DESIGN, 1 DELIVERY

CARES® conveniently streamlines the prosthetic workflow for implant-based, single-tooth full-prosthetic restorations with only one scan procedure, and one simultaneous and adaptive prosthetic element design. Once all components are manufactured, they arrive together in one packaged delivery. This optimization of the necessary processing steps reduces turnaround time and costs considerably.

**Practice**

- Fast application, easy cementation management and ideal soft tissue support

**Laboratory**

- Significant time and cost saving for increased productivity and profitability
  - Streamline the workflow and reduce turnaround time through only one scan and design step for all required components in a single-tooth implant-borne restoration
  - Only one shipment with all prosthetic components

- Excellent fit of the delivered components
  - Delivered with no visible marginal gap and homogeneous cement gap
  - Pre-set software parameters and algorithms

- Consistent and re-producible quality
  - Controlled design and milling environment
  - Collaboration with renowned material supplier

1. No visible marginal gap from CT Scan
2. Homogeneous thickness of the cement gap
CARES® X-STREAM™ HAS FURTHER EXPANDED ITS MATERIAL COMBINATION POSSIBILITIES TO MEET YOUR VARIOUS NEEDS.

<table>
<thead>
<tr>
<th>Full-contour crown or coping</th>
<th>3M™ ESPE™ Lava™ Ultimate Restorative ¹</th>
<th>zerion® ²</th>
<th>IPS e.max® CAD</th>
<th>corin®</th>
<th>ticon®</th>
<th>polycon® ae</th>
</tr>
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</table>

The software function “split file” is common in the dental CADCAM field.

However, only few solution providers can realize the streamlined work process with the solid product delivery as CARES® X-Stream™ does.

The streamlined work process simplifies your access to a world of possibilities within the Straumann portfolio.

¹ Only available for full-contour crowns ² Only zerion® HT is available for full-contour crowns ³ Not available for the Soft Tissue Level WN Platform
5. STRAUMANN® CARES® SCREW-RETAINED BRIDGES AND BARS

AN EXCELLENT SOLUTION
IN CHALLENGING CASES

CARES® SCREW-RETAINED BRIDGES AND BARS OFFER YOU:

**Mechanical aspects**

- Transfer of force load on taper screw and conical connection to implant surface and bone evenly.
- Limited force load distribution to connection and limited engagement.
- Increased stress to flat top screw.
- Reduction of micro movements while controlling the microgap through a conical, tight-sealing connection.
- The abutment only sits on the narrow implant shoulder. Limited sealing of the implant-abutment connection.
- Increased possibility of soft tissue impingement.
- Lateral mastication forces are adsorbed by the inner connection, reducing excessive loading of the screw.
- Lateral mastication forces are adsorbed by the screw resulting in increased danger of screw breakage.

**Surgical aspects**

- Consideration of the biological distance with a horizontal offset between microgap and bone. Typical Bone Control Design™ feature of the Straumann® Bone Level Implant.
- The flat implant connection can have an effect by overlapping the biological distance of the microgap. The Bone Control Design™ feature of the Straumann® Bone Level Implant is compromised.

**Low design complexity**

- Direct placement on implants, no additional abutment needed
- Allows treating patient-specific emergence profiles with full design control

**High quality through original Straumann connection**

- Offering Straumann quality, fit and mechanical performance
- Biocompatible and corrosion resistant
- One-piece solution, milled out of one block

<table>
<thead>
<tr>
<th>Original Straumann® Bone Level Implant-Abutment Connection</th>
<th>Example of a Non-original Bone Level Implant-Abutment Connection</th>
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</thead>
<tbody>
<tr>
<td><img src="image1" alt="Original Straumann® Bone Level Implant-Abutment Connection" /></td>
<td><img src="image2" alt="Example of a Non-original Bone Level Implant-Abutment Connection" /></td>
</tr>
</tbody>
</table>
Each CARES® SRBB framework is milled completely from one block of material ensuring homogeneous and predictable quality.

CARES® Bars are delivered finished and ready-to-use

Strong mechanical connection capacity without compromising the biological benefits of the implant

Your freedom of choice with a broad range of products
- Straumann® CARES® SRBB® comes with a wide portfolio of Tissue Level and Bone Level solutions and allows for combining both platforms in one restoration
- Straumann® CARES® SRBB offers a range of 2 to 10 implants for bars, or 2 to 16 implants for bridges
- There are 2 material options: titanium Grade 4 and CoCr (coron®) for RN, WN, NC and RC
- Diversified screw-retained bar designs®

SRBB is the English abbreviation for Screw-Retained Bridges & Bars®

* Not all products are available in all countries
6. STRAUMANN® CARES® TOOTH-BORNE PROSTHETICS

YOUR FULL-SOLUTION PROVIDER – PRECISION AND ESTHETICS INCLUDED

CARES® IS ONE OF THE LEADING CADCAM BRANDS IN DENTISTRY PROVIDING OUR CUSTOMERS WITH AN EXTENSIVE PROSTHETIC PORTFOLIO:

THE CARES® FULL-CONTOUR RESTORATIONS OFFER YOU:

PRACTICE | LABORATORY
---|---
**Leading Materials:** resin nano ceramics, ceramics, metals and polymers

**Wide Applications:** one-step restorations, customized abutments, screw-retained bridges and bars, copings, bridge frameworks as well as full-contour crowns and bridges

PRACTICE | LABORATORY
---|---
Precision and high efficiency thanks to simplified processing steps for high esthetics, designed to ensure predictable outcomes

Precision manufacturing which leads to no manual rework and minimal processing, e.g. polishing, staining and glazing
INVESTED ON YOUR BEHALF, WE CONSTANTLY DEVELOP AND IMPROVE OUR PORTFOLIO OF STRAUMANN® ZERION® (ZIRCONIUM DIOXIDE) SO THAT YOU CAN ENJOY THE BENEFITS OF:

**High precision milling** to deliver very detailed and fine morphology and smooth surfaces

**Ease of use** by simply polishing the delivered restoration to finalize the zeron® HT crown or bridge

**Conquering demanding cases** thanks to the shade diversity. Simple characterization can be efficiently applied to create a beautiful and individualized result

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<tr>
<th>zeron® shades (zirconium-dioxide ceramic)</th>
<th>Possible indications</th>
</tr>
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</table>
| zeron® HT (High Translucency)            | • Full-contour crowns and bridges up to 3 units  
• Coping and bridge frameworks up to 3 units |
| zeron® LT (Low Translucency)             | • Coping and bridge frameworks up to 16 units  
• CARES® Variobase™ Abutment, zeron® |

THE CARES® METAL RESTORATIONS ARE KNOWN FOR THEIR PRECISE MILLING QUALITIES. EACH CASE IS MILLED OUT OF A HOMOGENEOUS DISC SO THAT THE COMPOSITION IS HOMOGENEOUS AND CREATES OPTIMAL RELIABILITY.

**coron® (cobalt-chromium)**
- Milled framework for consistent and high quality
- High flexibility: alternative for noble casting alloys

**coron® (cobalt-chromium)**
- Veneering process comparable to noble casting alloys for ease of use
7. MILLING EXPERTISE AND STRAUMANN® GUARANTEE

THE VALIDATED WORKFLOW
THAT GIVES YOU PROFOUND CONFIDENCE

We want you to confidently rely on the prosthetic parts you work with. This is why CARES® carefully reviews the performance in each step of the prosthetic creation – from the selection of the raw materials, the scan and design interface to the reliable accuracy throughout the production.

OUR COMMITMENT TO THE FUTURE:

- 10-year Straumann® Guarantee for metal and resin nano ceramic restorations
- 5-year Straumann® Guarantee for ceramic restorations

PRECISE GERMAN ENGINEERING EXPERTISE:

- Own engineering process to transfer the prosthetic design into a precise milling procedure
- Each application is carefully calibrated from the scanner and the software to the milling machines in the validated workflow
Milling machine and rigid quality check
OUTPERFORMING SECOND-RATE MACHINES WITH A SOLID HEAVYWEIGHT
Milling machines with a weight of 4.2 and 6.7 tons are virtually free of quality reducing vibration, while their acceleration corresponds to 1.5 times the earth’s gravity. These heavyweight machines work so precisely that the re-positional deviation of a milled component is less than 0.002 mm.

DELICATE MORPHOLOGY WITH ULTRA PRECISE MILLING TOOLS
The smaller-diameter cutting head determines the fine intracacies of anatomical detail. Why does the CARES® full-contour crown have such detailed anatomical occlusal detail? The ultra-small CARES® 0.5 mm diameter cutting head explains it all.

SHARP AND SMOOTH SURFACE THANKS TO THE HIGH SPEED MILLING
The milling machines can reach a maximum speed of 10 meters per second creating sharp margins and smooth surfaces. The maximum spindle speed of 40 000 – 54 000 rpm grinds the delicate walls and edges to achieve high precision in your restorative solution.

TAKING THE RIGHT ANGLE ON PRECISION
Four and five simultaneously operating axes can recreate the required morphology for a flawlessly crafted component.

1 MATERIAL, 1 MILLING STRATEGY, 1 MACHINE
Dedicated to delivering the best products, each production line at Straumann is designated to process one material in one machine with one specific milling strategy. This optimized and product-specific milling procedure lets us produce the best possible prosthetic components.

STANDARDIZED CHECKS FOR CONSISTENT QUALITY
- Auto-adjustment of temperature on sintering time controls the grain growth, which allows great biomechanical performances
- Clear procedure on machine maintenance provides consistently high-quality outcomes
- Automatic and centralized measuring system.

TO PRODUCE TOP QUALITY FOR YOU, WE INVEST IN THE MOST ADVANCED MACHINES BUILT FOR EXCEPTIONAL PERFORMANCE
Milling machine
8. ACCESSIBILITY

TEAM UP WITH CARES® FOR YOUR CUSTOMIZED SOLUTION

We give you the freedom to achieve reliable, efficient and esthetic prosthetic solutions through various connections to CARES®. You can access optimal prosthetics through:

1. CARES® SYSTEM – Includes CARES® Scan CS2 and CARES® Visual design software based on the Dental Wings open software architecture.

2. CARES® WS (WORKING STATION) – Customers with a validated intra-oral scanner can access CARES® prosthetics upon acquiring the CARES® Visual design software.

BOTH OF THESE CHANNELS PROVIDE ACCESS TO OUR:

- **Technical support team** – Our team made up exclusively of professional dental technicians support you with their combined global-scale experience of more than 100 years.
- **Training and education courses**
- **Sales and marketing support from our sales force**
3
CARES® SCAN & SHAPE – Customers can also take advantage of our scan and design services to complement their existing in-lab workflow.

Without investing in any hardware and software, and without any specialized digital design knowledge required, our highly trained professionals will prepare for you your customized prosthetics based on the specifications from wax-ups or models that you provide to us.

Product offering*: CARES® Customized Abutment, and CARES® Variobase™ Abutment

4
CARES® PROSTHETIC APP – Plug and play into your current Dental Wings software without having to invest in additional hardware. Eligible* customers of Dental Wings from the selected countries can activate the CARES® Prosthetic App and have access to the entire CARES® prosthetic portfolio.

*CARES® Scan & Shape is available in some countries. Please contact your country sales representative for details. *Eligible customers are those who have Dental Wings software version 3.5 and higher installed, including all full updates, in the defined countries. To get the complete list of criteria to access the CARES® Prosthetic App, please contact your local Straumann sales representative.