More than efficiency.
Cost-effective workflow solutions.
Prosthetic solutions

ONE-STEP RESTORATIONS

CUSTOMIZED ABUTMENTS

- CARES® X-Stream™
- CARES® Abutment, titanium
- CARES® Abutment, ZrO2
- CARES® Abutment, TAN

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 options. As a result customers experience constant challenges in making 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 60 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.

We are excited to introduce our newest solutions, intended to further drive efficient workflows and provide cost-effective restorations for your dental laboratories:

- Straumann now expands the CARES® X-Stream™ portfolio with the solid but flexible Straumann® Variobase™ Abutment;
- the CARES® Abutment, TAN, with an anatomic shape to allow for direct veneering, helping you to finalize your restoration faster;
- the CARES® Screw-retained Bridges and Bars at abutment level, and
- the new bar design CARES® Milled Bar for removable prostheses

Today your laboratories will have new means to receive Straumann® CARES® prosthetics without any additional investment in CADCAM equipment:

New connections to:
- 3Shape software
- 3M Lava™ system, and
- Dental Wings system
enable access to Straumann® CARES® prosthetics.

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
A 10-year retrospective study on Straumann original prosthetic components

Straumann original prosthetic components show excellent long-term clinical performance.

Test method:
- 10-year retrospective clinical study to assess the rate of mechanical and technical complications and failures with implant-supported fixed dental prostheses.
- Prosthetic restorations on all 388 surviving Straumann® Tissue Level Implants were assessed. The implants had been restored with original Straumann components between May 1997 and January 2001 in the University of Bern.

Complications

- Occlusal screw loosening: 2.57% (n = 10)
- Occlusal screw fracture: 0.26% (n = 1)
- Abutment fracture: 0.26% (n = 1)
- Abutment loosening: 0.26% (n = 1)

Success rate of Straumann prosthetic secondary components:

- 97% (n = 375)
- 100% (n = 388)
Compatible is not original.

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.

The Original

Third-party abutments claimed as compatible

Which one do you trust in?
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 savings and cost efficiency
Straumann® CARES® Customized Abutments bring you more.

**CARES® ABUTMENT, ZIRCONIUM DIOXIDE (ZrO2)**

- Mechanical stability and proven biocompatibility allows highly reliable dental restorations
- Available in both screw-retained and cement-retained restorations
- High design flexibility
- Direct veneering is possible to waive the creation of a coping

**CARES® ABUTMENT, TITANIUM**

- 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 cement-retained restorations

**NEW**

**CARES® ABUTMENT, TAN®**

- Mechanical stability and proven biocompatibility allows highly reliable dental restorations
- Efficiency: one scan only to design abutment and anatomic shape
- Flexible workflow: both firing and non-firing processes are possible
- Flexibility in choosing veneer material: both ceramic and polymer materials are possible
- Allows a direct veneering process to finalize the restoration faster

The TAN material is composed of titanium alloy (Titanium-Aluminum-Niobium, Ti6Al7Nb).
CARES® X-Stream™ provides a single-tooth full prosthetic solution, flexible in use, to restore Straumann implants. With only one scan and one simultaneous and adaptive prosthetic element design, all required prosthetic components (e.g. abutment and its relevant crown) are manufactured in the Straumann validated environment and arrive together in one delivery with an excellent fit of the components. This optimization of the necessary processing steps reduces turnaround time and related costs considerably.

Efficiency – the key to competitiveness.
STRAUMANN NOW EXPANDS THE CARES® X-Stream™ PORTFOLIO TO MEET YOUR VARIOUS NEEDS.

The software function 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.

<table>
<thead>
<tr>
<th>Material/Procedure</th>
<th>CARES® Abutment, Zirconium dioxide</th>
<th>CARES® Abutment, Titanium</th>
<th>Straumann® Variobase™ Abutment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-contour crown or coping</td>
<td>3M™ ESPE™ Lava™ Ultimate® (Resin Nano Ceramic available in 12 shades)</td>
<td>zircon® (Zirconium dioxide available in 13 shades)</td>
<td>IPS e.max® CAD (Lithium disilicate available in 45 shades)</td>
</tr>
</tbody>
</table>

b Not available for the Soft Tissue Level NNC and WN platforms; all copings or crowns are available without screw channel holes.
c Not available for the Soft Tissue Level NNC platform; all copings or crowns are available without screw channel holes.
d Not available for the Soft Tissue Level NN platform; all copings or crowns are available with or without screw channel holes.
e Only available for Full-contour Crowns.
When using CARES® Customized Abutments or the Straumann® Variobase™ Abutments with their selected coping, the design can be customized for a patient-specific emergence profile. The cement line for the crown can also be optimally placed to ensure an easy cementation management and an ideal soft tissue support.

**Figure 1**
CARES® X-Stream™ product combinations with CARES® Abutments

- No visible marginal gap from CT Scan
- Homogeneous thickness of the cement gap
- No visible marginal gap
- Extra bonding surface
- Patented engaging mechanism

CARES® X-Stream™ product combinations with Straumann® Variobase™ Abutments

**LABORATORY**

- Higher productivity thanks to one design, one order and one delivery of the prosthetic components
- Efficiency: pre-set software parameters and algorithms
- Increased efficiency due to the highly precise prosthetics ensuring best fit between components (see Figure 1)
- Validated long-term performance with the original Straumann implant-abutment connection
- Consistent and re-producible quality
  - Controlled design and milling environment
  - Collaboration with renowned material supplier

Increased efficiency due to the highly precise prosthetics ensuring best fit between components (see Figure 1)

Efficiency: pre-set software parameters and algorithms

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

Validated long-term performance with the original Straumann implant-abutment connection

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

Increased efficiency due to the highly precise prosthetics ensuring best fit between components (see Figure 1)

When using CARES® Customized Abutments or the Straumann® Variobase™ Abutments with their selected coping, the design can be customized for a patient-specific emergence profile. The cement line for the crown can also be optimally placed to ensure an easy cementation management and an ideal soft tissue support.
CARES® Customized Coping: efficient hybrid abutment solutions
The combination with the coron® cobalt chromium, zerion® zirconium dioxide or IPS e.max® CAD lithium-disilicate glass-ceramic coping offers a highly cost-effective and veneerable hybrid abutment solution.

CARES® Customized Full-contour Crown: highly cost-effective prosthetic restorations
The combination with the zerion® zirconium dioxide or IPS e.max® CAD lithium-disilicate glass-ceramic full-contour crown allows to drastically simplify the prosthetic processing steps for pleasing esthetic results.

All CARES® Customized Copings and Full-contour Crowns are available with a screw channel hole specifically adapted to the Straumann® Variobase™ Abutment, ensuring their easy and guided placement. The copings and crowns evenly distribute the loading forces and have a very limited rotational play while allowing a flexible cement gap.

f Patent pending for the engaging mechanism between the Straumann® CARES® Variobase™ Abutment and the relevant CARES® Coping or Crown.
g Available in 9 LT (low translucency) shades and 4 HT shades (high translucency).
h Available in 40 shades. Manufactured by Ivoclar Vivadent AG.
An excellent solution in challenging cases

TheStraumann CARES® SRBB portfolio is continuously expanding with exciting new offerings.

- Removable prosthetics: CARES® Milled Bar
- Entire CARES® SRBB portfolio at abutment level

CARES® SCREW-RETAINED BRIDGES AND BARS OFFER YOU:

- Design flexibility
  - Direct placement on implants, or on new Straumann® Screw-retained Abutment (Bone Level)
  - Allows treating patient-specific emergence profiles with full design control
- Reliable quality through original Straumann connection
  - Offering Straumann quality, fit and mechanical performance
  - Biocompatible and corrosion resistant material, no need for solder
  - One-piece solution, milled out of one block of material
- Strong mechanical connection capacity without compromising the biological benefits of the implant
- Each CARES® SRBB framework is milled completely from one block of material ensuring homogeneous and predictable quality
- Offers a range of 2 to 10 implants for Bars, or 2 to 16 implants for bridges
- Available with 2 material options: Titanium Grade 4 and CoCr (coron®) for RN, WN, NC and RC implants
- Diversified screw-retained bar designs

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

j Not all products are available in all countries.
1. Dolder® Bar U-Shape (regular and mini-size)
2. Dolder® Bar Egg-Shape (regular and mini-size)
3. Ackermann-Bar® Ø 1.9 mm
4. MP-Clip® Bar Ø 1.8 mm
5. Round Bar Ø 1.8 mm
6. Milled Bar, available threads for the SFI-Anchor® CD20 and LOCATOR® CARES® Screw-retained Bridge for veneering

Fixed Dentures

Removable Dentures
Perfect fit of original Straumann implant connection

The Straumann® CARES® SRBB implant connections are designed to provide a perfect and lasting fit to your Straumann implants. Let your patients benefit from the precision and peace of mind.

CARES® SRBB INTERFACE FOR STRAUMANN® TISSUE LEVEL IMPLANTS

1. Avoiding peak stresses with conical screw head
2. Assuring a sealed connection with tight conical implant-abutment interface
3. Avoid impingement on the implant-shoulder with sufficient cutouts to prevent stress peaks and to assure a sealed implant-abutment interface

Which connection do you trust in?

- Straumann® CARES® Dolder® Bar Ti on Straumann® SP, Ø4.1 mm RN, SLActive® 12 mm, TiZr
- Dentsply Atlantis™ ISUS Dolder® Bar Ti on Straumann® SP, Ø4.1 mm RN, SLActive® 12 mm, TiZr
- Supra solution Dolder® Bar Ti on Straumann® SP, Ø4.1 mm RN, SLActive® 12 mm, TiZr
CARES® SRBB INTERFACE FOR STRAUMANN® BONE LEVEL IMPLANTS

1. Avoid peak stresses with conical screw head
2. Provide precise guidance at assembly with radial contact surfaces (screw and abutment)
3. Assure a sealed connection with tight conical implant-abutment interface
4. Give high stability with deep implant-abutment engagement

Which connection do you trust in?
6. STRAUMANN® CARES® TOOTH-BORNE PROSTHETICS

Your full-solution provider –
precision and esthetics included

EXTENSIVE PROSTHETIC PORTFOLIO:

STRAUMANN® CARES® FULL-CONTOUR RESTORATIONS

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

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

Precision manufacturing which leads to no manual re-work and minimal processing, e.g. polishing, staining and glazing
Conquering demanding cases thanks to the shade diversity. Simple characterization can be efficiently applied to create a beautiful and individualized result.

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

### STRAUMANN® zeron®
**ZIRCONIUM DIOXIDE**

- **zerion® HT (High Translucency)**
  - Pure
  - Light
  - Medium
  - Intense

- **zerion® LT (Low Translucency)**
  - Bleach
  - Light 1
  - Light 2
  - Light 3
  - Light 4
  - Medium 1
  - Medium 2
  - Medium 3
  - Dark

### Possible indications
- **zerion® HT**
  - Full-contour crowns and bridges up to 3 units
  - Coping and bridge frameworks up to 3 units

- **zerion® LT**
  - Coping and bridge frameworks up to 16 units
  - CARES® Variobase™ Abutment, zeron®

### STRAUMANN® CARES® METAL RESTORATIONS

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

Each case is milled out of a homogeneous disc so that the composition is homogeneous and creates optimal reliability.
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.

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

Our commitment to the future:
• 10-year Straumann Guarantee for metal and resin nano ceramic restorations
• 5-year Straumann Guarantee for ceramic restorations
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 intricacies 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 machine 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, CARES® X-Stream™, CARES® Screw-retained Bridges and Bars and CARES® tooth-borne elements.

4 CONNECTIVITY FROM 3RD PARTY CADCAM SYSTEMS

Plug and play into your current Dental Wings, 3M Lava™, and 3Shape software without having to invest in additional hardware. Eligible customers of Dental Wings, 3M Lava™, and 3Shape from the selected countries have access to the CARES® prosthetic portfolio.

k CARES® Scan & Shape is available in some countries. Please contact your country sales representative for details.

l Eligible Dental Wings and 3M Lava™ customers are those who have Dental Wings software version 3.5.3 and higher installed, including all full updates, in the defined countries. Please contact your local Straumann sales representative for details. Eligible 3Shape customers are those who have 3Shape software version 2.8.8.9 and higher installed in the defined countries. To receive a complete list of the criteria to access the CARES® portfolio, please contact your local Straumann sales representative.

2 pers. comm. Dr. Wittneben: For 278 out of the 303 patients 100% original Straumann prosthetic components could be verified, 25 patients could not be reached anymore as dentists were retired.