CONFIDENCE ON EVERY LEVEL

IMPLANTS • PROSTHETICS • REGENERATIVE THERAPIES • DIGITAL DENTISTRY

COMMITTED TO SIMPLY DOING MORE FOR DENTAL PROFESSIONALS™
A STRONG FOUNDATION

Confidence is built on promises fulfilled. When a patient smiles without hesitation, you have delivered on your promise as a dental professional. It’s the same for a dental solutions company. When you choose Straumann products without hesitation, we’ve done our job. Year after year, we have won the confidence of general dentists, specialists and laboratories with this promise: a strong foundation of scientific and clinical evidence supports the innovation, precision, reliability and simplicity that define every Straumann solution.

CONFIDENCE ON EVERY LEVEL

INNOVATION
- SLActive®
- Roxolid®
- Emdogain™

PRECISION
- CADCAM restorations
- CrossFit® Connection
- synOcta® Connection
- Bone Control Design®

RELIABILITY
- 5-year, 98.8% success rate
- 4 million+ implants
- 10-year limited warranty

SIMPLICITY
- One surgical kit
- One prosthetic kit
- Solid abutment

From Saving to Replacing to Restoring

Straumann is the only company to offer a complete portfolio of surgical, restorative, oral tissue and bone regeneration, and digital dentistry solutions. From the saving of natural teeth to complete tooth replacement, Straumann solutions span the continuum of dental care.

More than Fifty Years of Simply Doing More

In 1954, Reinhard Straumann, drawing on his experience in the Swiss watch industry and engineering, founded the metallurgical-focused Institut Straumann. The company, which has never changed ownership, still draws upon Dr. Straumann’s legacy of precision, scientific proof and pushing the boundaries of convention. When it comes to research, development and service, Straumann is committed to “simply doing more” for dental professionals.

**Scientific and Clinical Evidence**

More than 3,000 published and peer-reviewed studies support the use of our products.

### SAVE.

1 **Straumann Emdogain™**  
   Regenerates periodontal tissue to support teeth

2 **Straumann® AlloGraft**  
   Eliminates the need for patient bone donation with bone grafting

3 **Straumann BoneCeramic™**  
   Provides a fully synthetic and biocompatible choice for bone graft substitute

### REPLACE.

4 **Implants**  
   Excellent bone maintenance through tissue-level and bone-level designs

5 **Roxolid® Implant**  
   Increase confidence when placing small-diameter implants

6 **SLA® and SLActive® Surfaces**  
   Designed to promote faster osseointegration

### RESTORE.

7 **Straumann CADCAM**  
   High-precision technology designed for a meticulous fit

8 **Prosthetics**  
   A broad range of choices designed to fit virtually any case

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*From root to crown, Straumann has the solutions that fit your practice.*
A HISTORY OF SUCCESS

As the company that pioneered single-stage tissue-level implants, Straumann has a strong track record in, and vision for, dental implants. Precision is the hallmark of the Straumann offering. From Bone Control Design® to the abutment-implant connection, Straumann products are created to meticulous specifications. On every level—innovation, precision, reliability, simplicity—this is a strong offering.

Straumann Tissue-level Implants
The world’s most widely used soft-tissue implant line.
- Ten years of long-term results
- More than four million implants in use

Simplicity: Solid Abutment on Tissue-level Implant

Provides an easy transition to implant dentistry. Restores like a natural tooth prep because it looks and feels like one.

Simplicity: Solid Abutment on Tissue-level Implant

Tissue-level Standard
Tissue-level Standard Plus
Tissue-level Tapered Effect
Bone-level

Ten-year limited warranty on all Straumann dental implants and abutments.

Bone Control Design
Key to the success of both the tissue-level and bone-level platforms is Straumann’s Bone Control Design, which helps maximize crestal bone preservation by adhering to five biological principles.
Straumann Prosthetics
For both tissue-level and bone-level implants, Straumann offers a broad range of standard and custom abutments in a range of materials, heights, diameters and angulations.

- Morse taper connection to tissue-level implants designed for a secure frictional fit

Precision: CrossFit Bone-level Connection

- Reliable soft and hard tissue maintenance through Bone Control Design®
- One restorative kit for both tissue-level and bone-level implants, i.e., single crown, multiple unit or overdentures

**Straumann CrossFit® Connection**
Straumann’s exclusive, patented CrossFit Connection is designed to ensure a secure and precise fit between the Straumann bone-level implant and authentic Straumann bone-level abutments. Customers have reported implant and abutment failures when non-Straumann abutments are used with Straumann implants.

**Straumann Prosthetic Simplicity**
Straumann offers a choice of abutment heights, diameters, angulation and materials designed to create the optimal result for virtually any case. Our prosthetic and one-instrument kits are color-coded for easy reference.

**MATERIAL ADVANCEMENTS**
Advanced materials offer many advantages to dental professionals and patients including enhanced esthetics, greater efficiency and added predictability in the final restoration. Straumann and Ivoclar Vivadent have partnered to provide highly esthetic solutions for tooth restoration and replacement. These products incorporate Ivoclar’s proprietary IPS e.max® zirconium dioxide and IPS e.max lithium disilicate ceramics for beautiful, natural-looking restorations.

`LOCATOR®` is a registered trademark of Zest Anchors, Inc.
INVESTING IN INNOVATION

A COMMITMENT TO RESEARCH
Straumann has consistently shown its commitment to R&D in its field, with approximately 5% of net revenues invested into R&D activities annually. This allows us to expand our offering with innovative, high-quality products that have an immediate and long-lasting clinical impact. Advancements such as SLActive®, which reduces healing time,* and Roxolid®, which opens treatment options by enabling the placement of small-diameter implants in narrow interdental spaces, can help drive down the cost and healing time.

**SLA® Implant Surface**
Straumann introduced the SLA endosseous surface as a solution for rapid anchoring in the bone. With its roughened, acid-etched surface, the osseoconductive macro- and microstructure of SLA became the gold standard in implant dentistry.
- Optimizes the topography for bone cells to attach themselves
- Reduces healing time to 6 weeks when compared to titanium plasma spray

**SLActive Implant Surface**
SLActive is a major advancement in implant surface technology.
- Provides faster osseointegration**
- Increases treatment predictability**
- Reduces healing time by half—from 6-8 weeks to 3-4 weeks**

**Roxolid Implant**
Roxolid’s unique fusion of titanium and zirconium creates the new “DNA” of dental implant materials.
- Confidence when placing small-diameter implants
- Flexibility of having more treatment options
- 50% higher tensile strength than pure titanium†
- Designed to allow the use of small-diameter implants in narrow interdental spaces

Dedicated to Scientific and Clinical Evidence
Straumann’s track record of amassing clinical evidence prior to launching any product is exemplary. Roxolid launched after 12 months of results in a broad program of clinical trials spanning 9 countries and 60 centers.

*As compared to SLA in an animal model.
**As compared to Straumann’s SLA surface.
†Based on internal specifications and ASTM F67.
REPLACE

**HOW SLActive® SPEEDS OSSEOEINTEGRATION**

Unlike conventional titanium surfaces that repel fluids, the enhanced surface chemistry of SLActive makes it remarkably hydrophilic. As a result, the surface quickly attracts blood and proteins, promoting faster osseointegration around the implant.*

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**Enhancing Shear Strength**

SLActive demonstrates significantly higher shear strength values than TiUnite® after 3 and 6 weeks. Sample size 10 implants. In an animal model, shear strength (N/mm²) measured at 10 days, 3 weeks and 6 weeks after implant placement. *p=0.001 after 3 weeks; p=0.002 after 6 weeks

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**Optimizing Osseointegration**

SLActive shows a higher percent of bone-to-implant contact in the defect area than NanoTite® after 4 and 8 weeks. Histomorphometrical analysis of BIC-D=% of bone-to-implant contact in the defect area. * <0.05

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*As compared to SLA® in an animal model.
**Data on file.

TiUnite® is a registered trademark of Nobel BioCare Corporation.
NanoTite® is a registered trademark of BIOMET 3i, Inc. USA.
GROWTH IN REGENERATION

There is a significant and growing medical need for regenerative therapies in dentistry. According to the National Institutes of Health, an estimated 80% of adults in the US suffer from some form of periodontal disease, which can cause major damage to the soft tissue and bone supporting the teeth and lead to tooth loss. Forty percent of every dental implant procedure needs bone augmentation either prior to or concurrent with implant placement.* Straumann provides solutions for the various regenerative treatment situations—whether you are saving your patient's tooth or replacing it with a dental implant.

**Straumann Emdogain™**

Easy to apply with prefilled syringes, Emdogain is a protein-based gel that is designed to promote predictable regeneration of lost periodontal hard and soft tissues.

- Naturally regenerates the tissues that support the tooth by mimicking the biological process at tooth development
- A million patients have been treated worldwide
- Documented clinical results in furcation defects, recession defects or intrabony defects, either alone or with a bone graft material,** such as Straumann® AlloGraft.

**Straumann AlloGraft**

Straumann allied with LifeNet Health®, a world leader in bio-implant technology, to introduce Straumann’s first allograft product line for bone regeneration.

- More than two million LifeNet Health allografts have been distributed to date with zero recorded disease transmission
- Straumann AlloGraft OCAN provides the highly osteoconductive structure to promote new bone ingrowth and vascularization

**Straumann BoneCeramic™**

This fully synthetic and biocompatible bone graft substitute is designed to resemble the patient's own bone.

- Gradually resorbs and becomes substituted by the patient's new vital bone
- Supports restoration and preservation of bone volume
- Achieved equivalent new mineralized bone and more vital tissue after 6-8 months, but with less residual graft when compared to a bovine-derived competitor2

Proven Treatment Options

Two in five dental implant procedures need bone augmentation.* Straumann gives you multiple treatment options.

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* *AlloGraft, autograft, bond-derived xenograft, beta-TCP or bioactive glass.

2 Cordaro L, et al. Maxillary sinus grafting with Bio-Oss or Straumann BoneCeramic: histomorphometric results from a randomized controlled multicenter clinical trial. Accepted for publication on Clinical Oral Implants Research in 2008.
THE SCIENCE BEHIND EMDOGAIN™

With over 300 published clinical studies, including results over 10 years, Straumann Emdogain has been shown to provide safe, effective regeneration of new periodontal attachment of the hard and soft tissues.

Substantial Evidence of Clinical Use

Evidence for “bioactive” agents in periodontology

Emdogain raises the bar on published scientific evidence with significantly more studies than other “bioactive” agents, as defined by the authors.3

Stable Results Over Time

Recession defect treated with Straumann Emdogain, 1 year post-operative. Photos: Dr. G. Zucchelli, Bologna, Italy

To complete the regeneration toolbox, Straumann also offers:

- **Straumann® AlloGraft**
  Most similar to patient’s own bone and provides natural bone regeneration

- **Straumann BoneCeramic™**
  Designed to regenerate the patient’s own vital bone while providing volume preservation

- **Straumann PrefGel®**
  Effective yet gentle removal of the “smear layer” that can hamper periodontal healing

- **Straumann Bone Block Fixation™**
  Stabilizes and fixates grafts and filling materials for the regeneration of bone

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DIFFERENTIATING DIGITAL SOLUTIONS

STRAUMANN PRECISION MAKES A DIFFERENCE

The need for a meticulous fit and natural restoration is paramount in restorative dentistry. Straumann sets itself apart from other CADCAM systems with centralized high-precision milling, powerful laser-scanning technology and a variety of material options.

**etkon™ es1-Digital Laser technology designed to scan within 10 microns of accuracy.**

**Straumann CADCAM**

The etkon™ es1 scanner enables the dental technician to model prosthetics via 5-D high-speed technology.

- Designed to scan within 10 microns of accuracy
- Software designed to help create a seamless path of insertion of frameworks that can help eliminate the need to reprep teeth and result in a precise fit

**Straumann Guided Surgery**

Three-dimensional imaging technology helps surgeons plan and execute the precise position, angulation and depth of implant placement when used with Straumann Guided Surgery instruments.

- The treatment plan is transferred to a surgical template, which the practitioner uses as a guide for precise implant placement
- The local dental laboratories make surgical templates, resulting in a quicker turnaround time than other manufacturers that outsource templates to remote locations, many times overseas

**Straumann CADCAM Restorations**

Our prosthetic solutions offer a wide choice of options for either conventional or implant-supported restorations.

- Includes customized abutments, copings, full-contour crowns and frameworks up to 14 units
- Features a broad range of modern durable and esthetic materials including ceramic, metal, plastics and introducing highly esthetic IPS e.max® CAD materials

**High-performance Materials**

IPS e.max CAD restorations by Straumann CADCAM are a highly esthetic, translucent, multi-shade material, ideal for natural-looking restorations.

**Intra-oral Scanning**

Digital Impression System

Straumann has partnered with Cadent® to integrate the easy-to-use iTero Intra-Oral Scanner.

- Allows precisely completed preparations for single-unit cases as well as more complex restorative and cosmetic full-arch treatment plans
- Virtually models adequate occlusal clearance to help you achieve the best cosmetic and restorative outcome

**Intra-oral Scanner**

Provides onscreen visualization of the scan in real time.
The Straumann Implant and Restoration Sequence

- **Dental laboratory fabricates a scanning template.**
- **Patient takes CT scan with scanning template in place.**
- **Software-based treatment planning helps optimize dental implant placement and identifies the need for bone augmentation procedures.**
- **Dental laboratory fabricates a scanning template.**
- **Surgical template is fabricated.**
- **Implant surgery with Straumann Guided Surgery instruments.**
- **Highly precise restoration with Straumann® CADCAM.**

**PROFESSIONAL COLLABORATIONS**

Straumann supports the important team approach among general dentists, specialists and laboratories. We understand that referrals are a vital source of new patients and business for all three constituencies. So we work to help each group strengthen referral networks.
VALUE-ADD PROGRAMS
Straumann is a true partner to clinicians, providing services and support that go beyond technology and products. Straumann engages clinicians and laboratories in its research, training and market-building efforts. Straumann is recognized as a leader by specialists, general practitioners and laboratory technicians.

Education
Straumann offers comprehensive training and services to the dental profession worldwide, including thousands of training and education courses each year. Collaborations with dental schools help educate future dentists on implant technology, practice, business and patient education.

Patient Education Materials
Understanding that an informed patient is a more satisfied patient, Straumann has developed an extensive library of patient education materials. These materials present important clinical information in easy-to-understand terms and many can be customized to individual practices.

Sales, Technical and Clinical Support
Straumann's service and support have achieved the highest marks in customer satisfaction. Straumann sales representatives and technical specialists work closely with customers in several programs, which further enhance experienced users’ skills. These include study clubs, advanced learning seminars, chairside support and focus groups.

Practice-building Programs
Straumann helps practices capitalize on their offerings with marketing, patient education, clinical chairside support and the communications resources to build a strong referral network. Straumann also offers a variety of surgical, CADCAM and patient financing options to facilitate practice growth.
The International Team for Implantology (ITI) is one of the largest autonomous academic organizations in implant dentistry and related tissue regeneration. Straumann is a long-time supporter of ITI’s independent research, development and educational projects. Our mutual objectives are the promotion and dissemination of knowledge about implant dentistry and related fields.

**TRENDS IN EDUCATION**

Straumann continues to explore new ways of sharing information and training with practitioners. Each year, we offer more than 2,000 state-of-the-art training and educational programs worldwide including courses, user conferences, study clubs and hands-on training sessions.

**Smile with Straumann**

SMiLe™ (Straumann Modular Interactive Learning) is a unique and progressive dental implant training program. Step-by-step guidance in a collegial setting provides focus and flexibility, encouraging participation while embracing adult learning expectations. Your Straumann Territory Manager can schedule an appointment to see if SMiLe is right for you and your practice.

**Hands-on skills development in a state-of-the-art simulation laboratory—one of the many ways Straumann helps clinicians practice with confidence.**
Straumann delivers confidence on every level with products built on innovation, precision, reliability and simplicity supported by rigorous scientific and clinical evidence.

Every Straumann dental implant and abutment is backed by our exclusive ten-year limited warranty. So look for the Certificate of Authenticity to be sure you are using genuine Straumann components. It’s the mark of confidence.

THE VALUE OF AUTHENTICITY

“Look-alike” implant and abutment systems attempt to copy the original manufacturer’s design, but cannot give assurance of equal precision or material quality. Compromises, such as a poor connection between the implant and abutment, can lead to complications. That’s why practitioners insist on genuine Straumann implants and restorative components.

The Certificate of Authenticity for Straumann implants is sent by the surgeon to the restorative doctor indicating that the surgeon has placed a genuine Straumann implant.

The Straumann Lab Authenticity sticker is sent by the restorative doctor to the lab to request that only genuine Straumann components are used for the restoration.

DO MORE WITH CONFIDENCE
As the only company with a complete portfolio of surgical, restorative, oral tissue and bone regeneration, and digital dentistry solutions, Straumann provides the convenience of ordering everything from one source. From root to crown, Straumann solutions are supported by rigorous scientific and clinical evidence and a commitment to unsurpassed quality.