

STRAUMANN® iEXCEL **FULL ARCH** ECOSYSTEM

Unleash your practice potential.



STRAUMANN® iEXCEL FULL ARCH.

A unique ecosystem.

The Straumann iEXCEL full arch ecosystem is the ultimate offering for dental professionals, designed to support your clinic from the start to a full arch center. This comprehensive solution enables clinical growth through an advanced education curriculum, innovative technology, end to end digital workflow, services and the backing of an industry leader.

Together, we aim to redefine the standards in full arch dentistry.

A COMPREHENSIVE APPROACH TO FULL ARCH DENTISTRY

CLINICAL GROWTH EXCELLENCE

Elevate your clinical capabilities by leveraging the trusted Straumann brand and the innovative iEXCEL Implant Performance System.

Enhance clinical expertise for the entire team:

- Cutting-edge treatment solution and technologies
- Leading brand
- Evidence-based education programs

PRACTICE GROWTH ACCELERATION

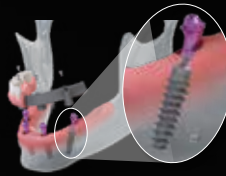
Expand your practice and redefine your service offerings with industry leading quality and evidence-based solutions.

Streamline case management for the entire practice:

- End-to-end full arch integrated workflows
- Customized inclusive services
- Practice growth programs

CLINICAL GROWTH EXCELLENCE

PRACTICE GROWTH ACCELERATION



iEXCEL FULL ARCH IMPLANT SYSTEM

Harness cutting-edge technology and design in full arch implant procedures to help support stability, longevity, and patient satisfaction.



STRAUMANN: CELEBRATING 70 YEARS

Experience reliability and precision with the trusted Straumann brand, synonymous with excellence and innovation in dental implantology.



FULL ARCH INSTITUTE

Access a premier educational platform where clinicians exchange insights, refine techniques, and stay at the forefront of full arch dentistry through comprehensive courses and expert guidance.



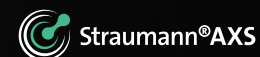
STRAUMANN INTEGRATED WORKFLOW

Streamline treatment processes with a seamless integration thanks to Straumann AXS, aimed at enhancing efficiency, accuracy, and patient care from imaging to restoration.



FULL ARCH INCLUSIVE SERVICES

Benefit from tailored support and resources designed to optimize practice operations and support success in every aspect of full arch treatment.



FULL ARCH PRACTICE GROWTH PROGRAMS

Empower your practice with specialized tools and strategies, equipping you to navigate the competitive landscape and helping you to transition toward sustainable growth.

iEXCEL PRO ARCH.

A patient-centric, immediate fixed full-arch treatment.

Straumann® iEXCEL Pro Arch is designed for a true patient-centric approach to your immediate fixed full-arch treatment, with the ultimate dental performance system, iEXCEL, offering simplicity, performance and versatility. Through evidence-based technologies such as Roxolid® and SLActive®, and with fully integrated workflows, you gain the tools to help you excel even in the most challenging clinical situations.

Tailor your fixed immediate treatment protocols to patients' needs with:

- Different tapered designs at both bone and tissue levels
- Implant lengths ranging from 6 mm to 18 mm
- Implant diameters from Ø3.3 mm to Ø6.5 mm

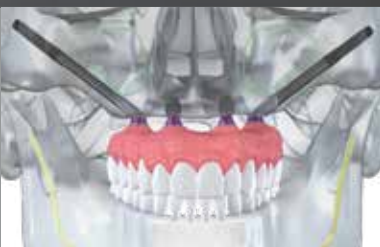
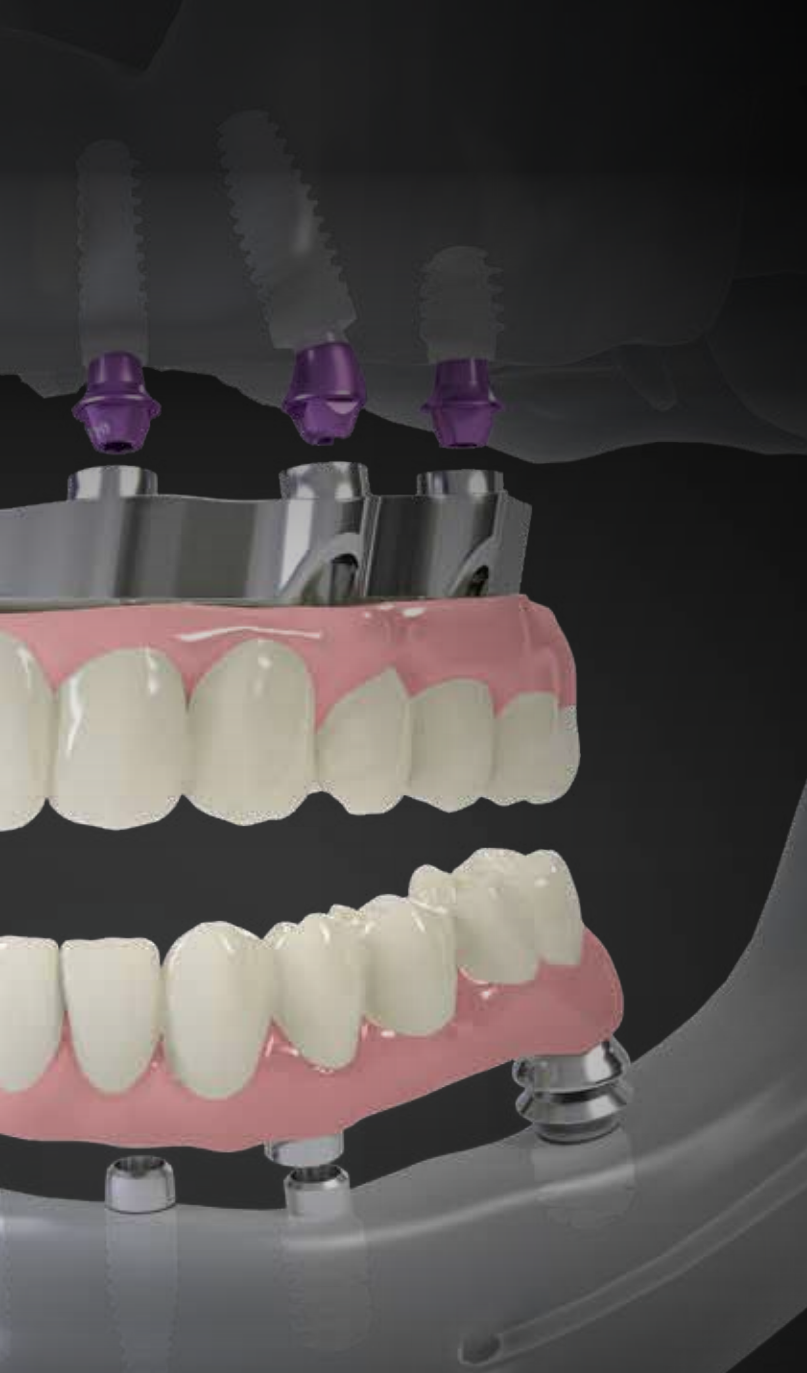
A WINNING COMBINATION THAT DIFFERENTIATES YOUR PRACTICE

			
Bone situation	Sufficient bone availability	Insufficient posterior bone height availability	Insufficient posterior bone availability
Treatment options	Six straight implants	Short implants in posterior region	Tilted posterior implants
Straumann portfolio highlights	→ Ø3.75 mm implant* → Narrow implants: BLC/TLC Ø3.3 mm or BLX/TLX Ø3.5 mm* → Short BLX and TLX 6 mm implants† → Long 18 mm implants**		

*Small-diameter implants and angled abutments are not recommended for the posterior region of the mouth.

**18mm length not available in all diameters.

Not all implant diameters and lengths are available in all markets.



Partially or fully edentulous maxillae

Zygomatic implants

→ Straumann ZAGA™ Flat and ZAGA™ Round

*according to DIN ISO 5832-2:2008 Implants for surgery - Metallic materials- part 2: Unalloyed titanium; ISO (ed.), 2000.

**Bernhard N et al. (2009): The Binary TiZr Alloy – A newly developed Ti Alloy for use in dental implants; Forum Implantologicum 5(30). From internal measurement (n=8).

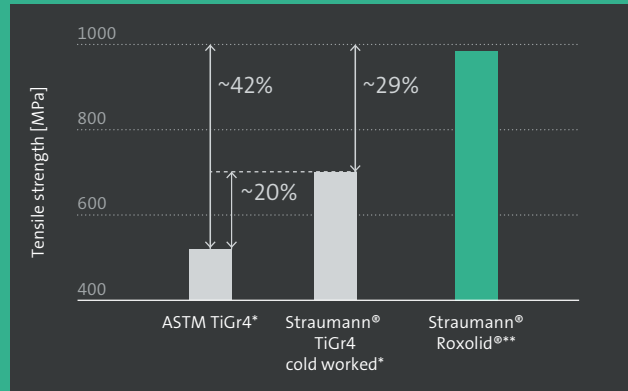
***If GBR can be avoided.

****Compared to SLA

REAL CONFIDENCE

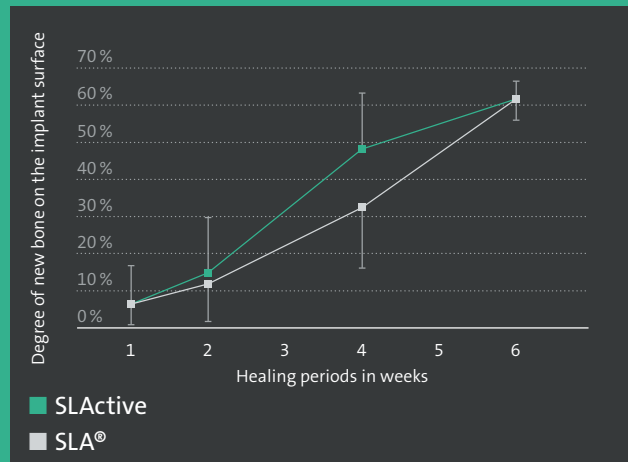
REDUCED INVASIVENESS WITH ROXOLID®***

Roxolid 29 % higher tensile strength¹



Roxolid shows a 29% higher tensile strength than Straumann cold-worked titanium and an 42% higher strength than standard titanium Grade 4.¹

SLACTIVE® FOR EARLY OSSEointegration



The SLActive surface shows a faster integration into new bone after 4 weeks (50%) compared to SLA surface (30%). After 42 days, these differences were no longer evident.²

RECENT SLACTIVE OUTCOMES IN DIABETIC AND IRRADIATED PATIENTS.

100 %

SLActive implant success rate adjusted (excluding the patients deceased due to cancer mortality) at 1- and 5-years follow-up

Randomized Clinical Trial:
• 102 implants, 20 patients
(1 year/19 patients, 5 years/15 patients)
• Post-surgery, radiotherapy and chemotherapy for oral carcinoma²⁻⁶

100 %

SLActive implant success rate in the diabetic group after 2 years.

A prospective, case-control clinical study:
(14 well-controlled and 14 non-diabetic individuals)⁷

STRAUMANN[®] INTEGRATED **WORKFLOW.**

Explore our end-to-end interdisciplinary digital treatment workflow, seamlessly integrated within the Straumann ecosystem. From imaging to treatment execution, experience precision and efficiency. Step into the future with Straumann AXS, our open, secure, cloud platform, empowering seamless collaboration and maximizing the potential of digital dentistry.

SCANS & STORE



COLLABORATE & COMMUNICATE



PLAN & DESIGN



Straumann[®]AXS—

DOCTORS



PATIENTS



END-TO-END INTERDISCIPLINARY DIGITAL TREATMENT WORKFLOW

Experience the evolution of treatment planning and execution with our end-to-end Interdisciplinary digital treatment workflow. Designed to integrate seamlessly within the Straumann integrated workflow, this comprehensive approach supports continuity of care across disciplines. From imaging to treatment delivery, target new levels of precision, efficiency, and patient satisfaction.

STRAUMANN AXS PLATFORM

Change your mindset on how to interact with Straumann solutions through the online case management and order tracking portal AXS. Access all your case planning and fulfillment with track and trace functionality to further improve your user experience. Approve case plans, get support, and experience real-time traceability. Interacting with Straumann has never been easier.

TREAT & MONITOR



PRODUCE & MATERIALS



RESTORE & MAINTAIN



— SECURED | OPEN SYSTEM | CLOUD BASED

DENTAL LABS



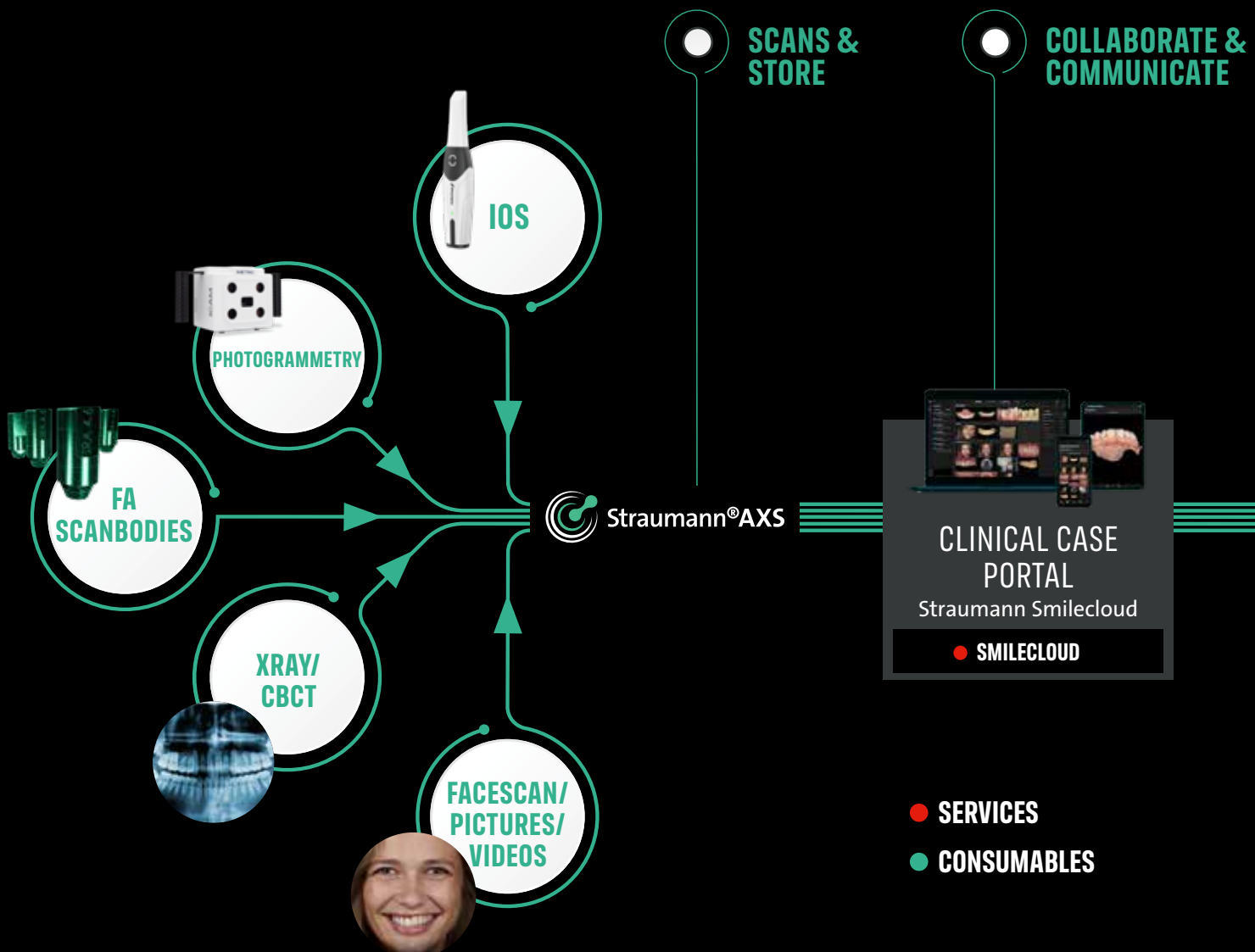
PARTNERS



FULL ARCH DIGITAL WORKFLOW.

An end-to-end, seamless experience.

Experience a streamlined Full Arch End-to-End Workflow, offering complete scanning, printing, and milling options to optimize treatment processes. Additionally, benefit from our comprehensive Straumann® services, including planning, design and an exclusive warranty for Straumann customers, supporting precision and reliability from start to finish.



ALL SCANNING, MILLING, AND PRINTING OPTIONS INTEGRATED

Experience the evolution of treatment planning and execution with our end-to-end interdisciplinary digital treatment workflow. Designed to integrate seamlessly within the Straumann® Integrated Workflow, this comprehensive approach supports continuity of care across disciplines. From imaging to treatment delivery, target new levels of precision, efficiency, and patient satisfaction.

STRAUMANN® TREATMENT SERVICES

Change your mindset on how to interact with Straumann solutions through the online case management and order tracking portal AXS. Access all your case planning and fulfillment with track and trace functionality to further improve your user experience. Approve case plans, get support, and experience real-time traceability. Interacting with Straumann has never been easier.

PLAN & DESIGN



IMPLANT PLANNING SOFTWARE
Straumann coDiagnostiX®

● **PLANNING SERVICE**



CAD DESIGN SOFTWARE
CARES® Visual

● **DESIGN SERVICE**

TREAT & MONITOR



FULL ARCH IMPLANTS
Straumann iExcel

● **SMILE IN A BOX®**

PRODUCE & MATERIALS



3D PRINTERS
Straumann Pro series

● **RESIN X**



CENTRALIZED MILLING
Straumann UNIQ

● **N!CE ZIRCONIA**

RESTORE & MAINTAIN



FULL ARCH RESTORATION
Straumann iExcel

● **LAB PARTNER**



MILLING UNITS

● **N!CE ZIRCONIA**

THE STRAUMANN® DIGITAL SOLUTION.

A comprehensive portfolio.

Discover the power of the Straumann digital solution, a comprehensive portfolio designed to grow your practice with full arch treatment. This all-encompassing suite includes advanced IOS technology, cutting-edge photogrammetry, 3D printers, milling machines, and a wide range of discs and resins. The Straumann digital solution provides everything you need to seamlessly integrate and scale full arch procedures, supporting both clinical efficiency and patient outcomes.

INTRAORAL SCANNING

Get connected to the complete ecosystem of integrated digital solutions from Straumann



3Shape TRIOS® 3



3Shape TRIOS 4



3Shape TRIOS 5



Straumann SIRIOS™

Coming
soon

PHOTOGRAMMETRY

Designed to increase predictable and accurate results from chairside measurement of implant positions



ICam Photogrammetry

DIGITAL TREATMENT PLANNING & MANUFACTURING

Increase the level of confidence in implant placement with a more predictable workflow using guided surgery



Smile in a Box®



3D PRINTING

Outstanding precision and productivity supporting a wide variety of indications



Straumann PRO20
Straumann P30+ ASM 2.0
Straumann P50+
Straumann PROWASH
Straumann PROCURE

MILLING

Solutions offering ease and efficiency to users of all skill levels



Roland DGA DWX-52D Plus



Zirkonzahn M Series

CONSUMABLES

Reliable printing with quality outcomes and a wide range of indications



NICE® Zirconia



PRO Resins

STRAUMANN® iEXCEL

The ultimate dental performance system.

Straumann® iEXCEL is the ultimate dental performance system that offers versatility of four implant designs in a single system. The simplicity of the one prosthetic connection combined with integrated digital workflows and services that can help you save time and treat more patients.



ONE TORCFIT™ CONNECTION

	Ø 3.3 mm	Ø 3.5 mm	Ø 3.75 mm	Ø 4.0 mm	Ø 4.5 mm	Ø 5.0 mm	Ø 5.5 mm	Ø 6.5 mm
BLC	✓		✓		✓		✓	✓
BLX		✓	✓	✓	✓	✓	✓	✓
Lengths	8–18 mm	8–18 mm	6–18 mm	6–18 mm	6–18 mm	6–18 mm	6–16 mm	6–14 mm (BLC) 6–16 mm (BLX)

	Ø 3.3 mm	Ø 3.5 mm	Ø 3.75 mm	Ø 4.0 mm	Ø 4.5 mm	Ø 5.0 mm	Ø 5.5 mm	Ø 6.5 mm
TLC	✓		✓		✓		✓	✓
TLX			✓		✓		✓	✓
Lengths	8–18 mm	–	6–18 mm	–	6–18 mm	–	6–12 mm (TLC) 6–12 mm (TLX)	6–10 mm (TLC) 6–12 mm (TLX)



TORCFIT™ CONNECTION

Facilitates the transfer of high torques for a precise implant-abutment fit



ROUNDED ANGULATED ABUTMENT

- Designed to maximize space for soft tissue
- Choice of gingival heights from 3.5 mm - 5.5 mm

CONFIDENCE IN ALL INDICATIONS

C-DESIGN

- The new generation of tapered implants with slim apices allow less invasive treatments and are optimized for efficient insertion and high primary stability.
- Small diameter is ideal in many tooth positions to reduce invasiveness and preserve bone.*
- Extended cutting flutes remove the need for tapping saving valuable chair time while providing optimal insertion torque.

PUSHING BOUNDARIES IN IMMEDIACY

X-DESIGN

- Featuring Dynamic Bone Management, our unique implant design helps make immediate protocols achievable and predictable, even in challenging situations.
- Shorter implant heights can help avoid sinus lift or vertical augmentation in cases where bone height is minimal.
- The implants cutting properties provide better direction control during insertion, helping clinicians to achieve optimal positioning.

*If a guided bone regeneration procedure can be avoided.



STRAUMANN® VELODRILL™

- Allows the use of one drill set that is compatible with all implant designs
- Works with X- and C-Design
- For guided and freehand surgery
- All drills are available in three lengths for maximum flexibility



STRAUMANN MODULAR CASSETTE

- The Straumann® Modular Cassette is a compact instrument cassette that can be assembled and combined in different ways, allowing you to customize it with the tools you need

STRAUMANN® ZYGOMATIC IMPLANT **SYSTEM.**

Designed to adapt to the patient's anatomy.



STRAUMANN ZAGA FLAT

The flattened shaft design suits the patient's anatomy to accommodate bone deficit while respecting soft-tissue vascularity.

1 ROUND AND SMOOTH APICAL END

Protects soft tissue. 2.6 mm diameter

2 TAPERED DESIGN

- Maximized zygomatic anchorage
- Thread pitch optimized to 0.8 mm for controlled implant insertion

3 REDUCED DISTAL DIAMETER (3.4 MM)

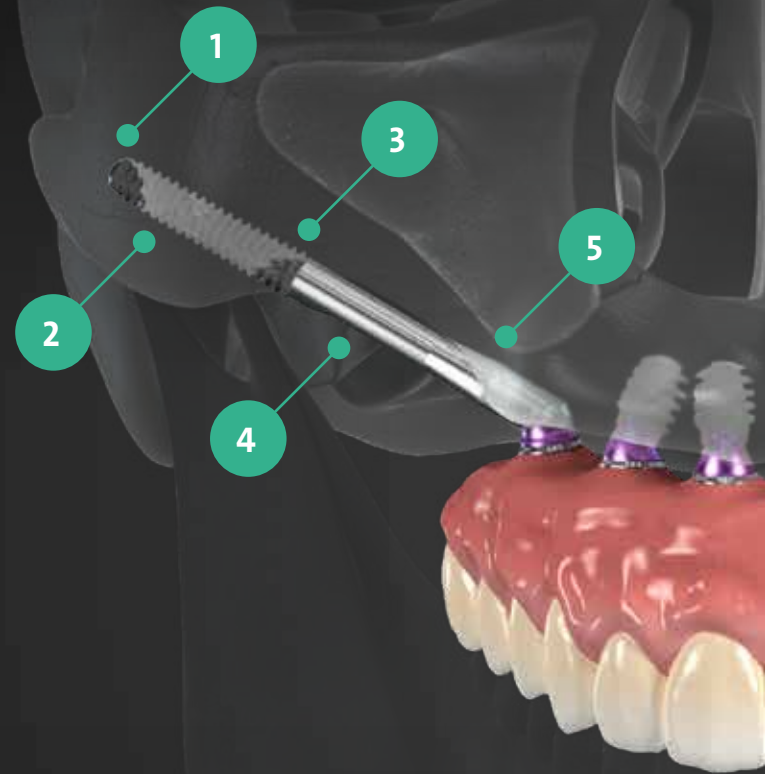
Designed for a less invasive osteotomy and implant placement in patients with smaller anatomy

4 MACHINED SMOOTH SHAFT

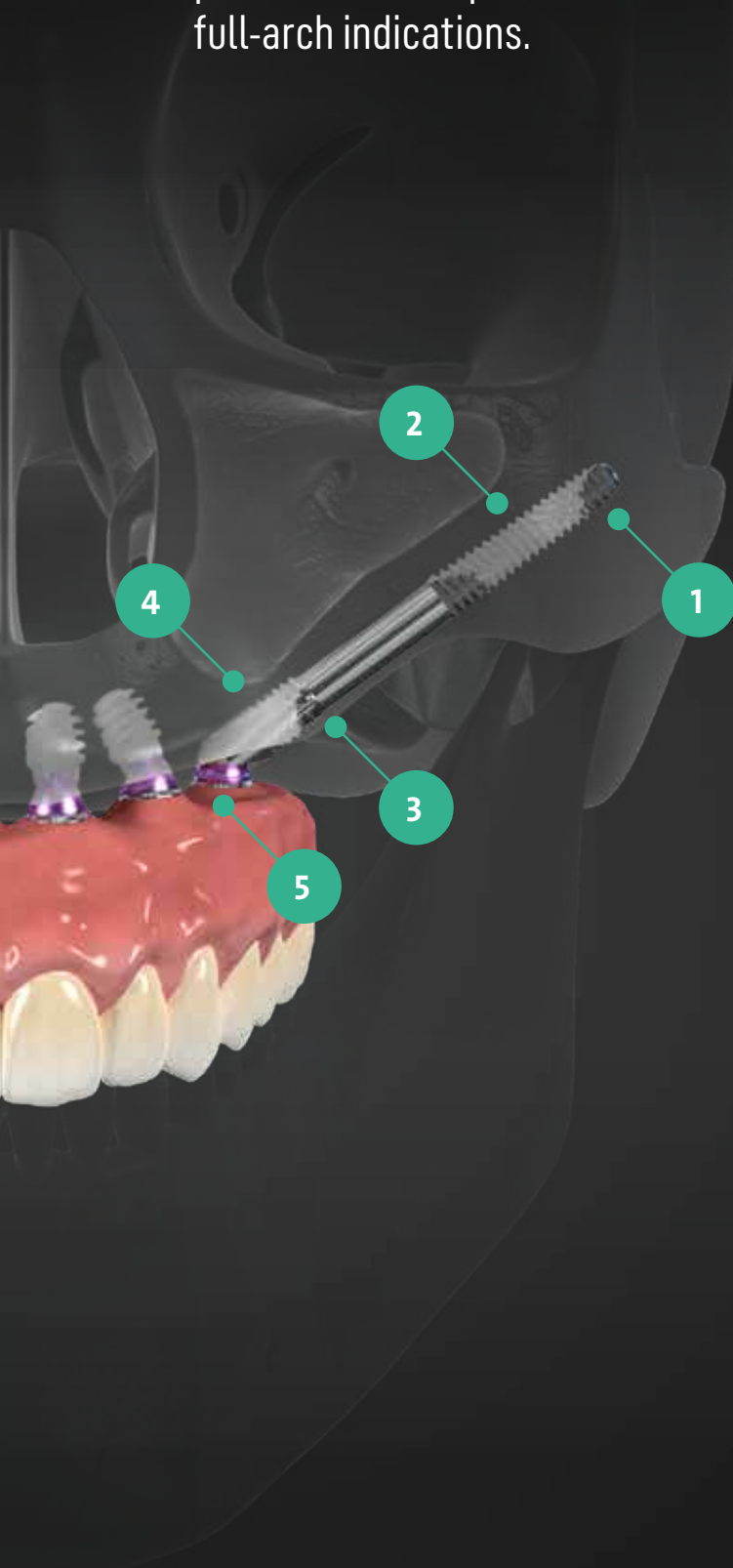
Provides less friction with soft tissue

5 CORONAL MICRO THREAD

- Allows bone preservation and osseointegration with bone apposition
- Contributes to sinus sealing



The Zygomatic Implant System completes the Straumann® edentulous portfolio with a premium solution providing you all the tools to treat full-arch indications.



STRAUMANN ZAGA ROUND

The machined smooth round shaft design provides less friction with soft tissue.

1 ROUND AND SMOOTH APICAL END

Protects soft tissue. 2.6 mm diameter

2 SANDBLASTED ROUGH SURFACES

Optimizes osseointegration in the zygomatic bone

3 CORONAL THREAD

Enables bone anchorage and osseointegration at the coronal level

4 CORONAL MICRO THREAD

→ Allows osseointegration with bone apposition
→ Contributes to sinus sealing

5 SINGLE PROSTHETIC CONNECTION

Optimized and simplified prosthetic portfolio

STRAUMANN® UNIQ.

Personalize every patient's journey.

In an era of digital transformation where individualized care is key, Straumann UNIQ offers you a premium service to tailor the planning, design, and delivery of patient-specific implant prosthetics. Focus on providing personalized care to each patient, while Straumann UNIQ ensures that every custom prosthetic is meticulously crafted to meet their unique needs, delivering seamless fit and exceptional outcomes.

EXCEL WITH CUSTOM PROSTHETICS



Scalable: grow your business without further investment in CAD resources or CAM equipment.



Reliable: deliver consistent, predictable results by leveraging the Straumann 70-year legacy of Swiss engineering.



Comprehensive: extensive portfolio and wide compatibility with over 50 implant platforms and design options.



Flexible: pick and choose the on-demand workflow that is tailored to your needs.

RESTORATIVE FLEXIBILITY

With original systems, precision and consistent high quality, the Straumann prosthetic portfolio addresses patients' esthetic expectations with the flexibility to fit their budget.





MILLED COREBAR TO SUPPORT ZIRCONIA RESTORATIONS

- Provides larger surface area for bonding vs. titanium-base coping and enhanced distribution of forces lighter than restorations produced with solid Zr
- Available through design service
- Efficient workflow – receive core file for bar and mill zirconia at the same time



ASC THIMBLE BRIDGE

- Designed for easy maintenance and repair
- Angled screw channels for enhanced esthetics
- Individual crowns allow for a combination of esthetic and high-strength materials



BASIC AND ADVANCED HYBRIDS

- Easy tissue relining, ideal solution for ongoing tissue management
- Design versatility for retention
- Circumferential ledge provides additional support for teeth to prevent shearing increasing durability and stability



STRAUMANN® VARIOBASE® ABUTMENTS

- Enables a good solution for full-zirconia bridge/bar restorations
- Cylindrical upper shape supports reliable bonding of the framework



FULL ARCH INSTITUTE.

Empowering professionals.

Straumann's Full Arch Institute is dedicated to advancing dentistry through utilization of the latest technologies, materials, and techniques currently available in today's marketplace. With a focus on full arch dental continuing education, we aim to provide a comprehensive array of straightforward to advanced full arch training content spanning both clinical and business-related topics.



WORLD-CLASS AND EXPERT-LED EDUCATION

Full arch specific courses, hosted within Straumann Campus and in collaboration with the International Team for Implantology (ITI), are curated and led by industry experts renowned for their success with full arch solutions. Learn through multiple formats such as lecture, hands-on exercises, in-person and broadcast live surgery, and more.

COMPREHENSIVE FULL ARCH EDUCATION PATHWAYS

Embark on your journey at the Full Arch Institute, where our curriculum is designed to meet you at every stage of your professional development. Whether you're newly supplementing your full arch solutions with digital integration, accelerating your practice through a fully digitized workflow, or scaling your capabilities through a comprehensive in-house digital ecosystem, we have the tools to help you responsibly phase your digital footprint to match your growth.

COMPREHENSIVE CURRICULUM DESIGNED TO SUPPORT PRACTICES FROM STARTING FIXED FULL ARCH TREATMENT TO BECOMING AN EXCLUSIVE FULL ARCH CENTER

BEGIN MASTERING FIXED FULL ARCH TREATMENT

ACCELERATE WITH DIGITAL WORKFLOW TO ENHANCE EFFICIENCY & PRECISION



PRACTICE GROWTH.

Empowering practices.

Successful practice growth requires more than just clinical expertise. Our Blueprint Services are designed to streamline your operations, enhance patient experiences, and optimize resource management, allowing you to focus on what you do best—providing exceptional care. Based on best practices from top-performing clinics across the USA and globally, our services help you to benefit from proven strategies and innovative solutions.



REFERRAL MANAGEMENT & COMMUNICATION

Our referral management program, Blueprint ensures a seamless and efficient process for handling patient referrals and communication. Trust in our expertise to improve patient flow and help educate and build a robust network of referring providers.

ADVANCED INVENTORY MANAGEMENT WITH ZIMBIS

Efficient inventory management is crucial for a smoothly running practice. Our integration with Zimbis offers state-of-the-art inventory control, reducing waste and helping you to always have the necessary supplies on hand. This system is designed to save time and reduce costs as well as support compliance and overall operational efficiency.



**SCALE WITH FULL DIGITAL
INTEGRATION TO STREAMLINE
PRACTICE PRODUCTION CAPABILITIES**

**PERFECT YOUR TECHNIQUES WITH SPECIALIZED
TRAINING OPTIONS INCLUDING ZYGOMATIC
IMPLANTS**



STRAUMANN® FULL ARCH

REFERENCES

Roxolid:

1 Bernhard N et al. (2009): The Binary TiZr Alloy – A newly developed Ti Alloy for use in dental implants; Forum Implantologicum 5(30). From internal measurement (n=8).

SLActive:

2 Lang NP, Salvi GE, Huynh-Ba G, Ivanovski S, Donos N, Bosshardt DD. Early osseointegration to hydrophilic and hydrophobic implant surfaces in humans. Clin Oral Implants Res. 2011;22(4):349-356. doi:10.1111/j.1600-0501.2011.02172. 3. Heberer S, Kilic S, Hossamo J, Raguse J-D, Nelson K. Rehabilitation of irradiated patients with modified and conventional sandblasted, acid-etched implants: preliminary results of a split-mouth study. Clin Oral Implants Res. 2011 May;22(5):546-51. doi: 10.1111/j.1600-0501.2010.02050.x. Epub 2010 Dec 4. Nelson, K., Stricker, A., Raguse, J.-D. and Nahles, S. (2016), Rehabilitation of irradiated patients with chemically modified and conventional SLA implants: a clinical clarification. J Oral Rehabil, 43: 871–872. doi:10.1111/joor.12434 5. Nack C, Raguse JD, Stricker A, Nelson K, Nahles S. Rehabilitation of irradiated patients with chemically modified and conventional SLA implants: five-year follow-up. J Oral Rehabil. 2015 Jan;42(1):57-64. doi: 10.1111/joor.12231. 6. Patients previously irradiated in the head and neck the following recommendations for the clinician treating patients previously irradiated in the head and neck should be followed, communication with the patient's oncologist, cumulative irradiation does less than 50 Gy are advisable, Implants should be placed at 6 to 12 months after cessation of radiation treatment and implants should be placed no less than 14 days prior to radiation treatment 7. Cabrera-Domínguez J, Castellanos-Cosano L, Torres-Lagares D, Machuca-Portillo G. A Prospective Case-Control Clinical Study of Titanium-Zirconium Alloy Implants with a Hydrophilic Surface in Patients with Type 2 Diabetes Mellitus. Int J Oral Maxillofac Implants. 2017;32(5):1135-1144. doi:10.11607/jomi.5577.

† For short implants (i.e., strictly shorter than 8 mm), immediate restoration or loading on a single implant in the following situations has not been studied and is not recommended: – For a terminal molar in an arch, and – Cantilevering more than one pontic off a single implant. Because of the reduced surface area for anchorage in the bone, short implants (i.e., strictly shorter than 8mm length) are to be used for the following indications only:

– As an additional implant together with longer implants to support implant-borne reconstructions

– As an auxiliary implant for implant-borne bar constructions supporting full dentures in a seriously atrophied mandible.

For short implants (i.e., strictly shorter than 8mm), clinicians should closely monitor patients for any of the following conditions: peri-implant bone loss, changes in the implant's response to percussion, or radiographic changes in bone to implant contact along the implant's length. If the implant shows mobility or bone loss greater than 2mm, the implant should be evaluated for possible removal.

Short implants (i.e., strictly shorter than 8mm) should not be placed in patients who demonstrate occlusal parafunction, such as bruxism or clenching.

LEARN MORE ABOUT COMPLETE EDENTULOUS SOLUTIONS.



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<https://ifu.medentika.com/Medentika>

<https://ifu.dentalwings.com/>

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