straumann

iEXCEL*
STRAUMANN® PERFORMANCE SYSTEM



STRAUMANN iEXCEL™

UNLEASH YOUR POWER

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STRAUMANN iEXCEL™

SPARK YOUR EXCELLENCE

Straumann iEXCEL™ is our ultimate Dental Performance System. Versatility of four implant designs in a single system. Simplicity of one prosthetic connection. Integrated digital workflows and services that help save your time.

TRUE CLINICAL VERSATILITY

With four implant designs in one single instrument set, you're able to choose the right option to tackle most patient situations, even during surgery. The SLActive® surface excels even for patients who are compromised by smoking, diabetes, or radiation therapy.[1–3]

SIMPLICITY YOU'LL LOVE

One TorcFit™ connection for all four implant designs sharing the same connection diameter for all prosthetics. Profit from restorative simplicity with a complete range of Straumann® original stock and customized prosthetics.

CONNECTED DENTISTRY TO EMPOWER EXCELLENCE

Our system offers integrated digital workflows and services designed to deliver predictable, efficient and high-quality outcomes, from single to full arch indications.

84%

of clinicians who tried the iEXCEL system would switch to it*

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"I want to build a thriving, scalable practice that delivers excellence at every level."

Straumann iEXCEL™ turns complexity into scale: four implant designs in one system and a single prosthetic connection – standardized, cost-efficient, and easy to roll out across locations, with integrated digital workflows that cut chairtime and boost profitability.

*n=50, Jan 2024, Satisfaction survey with clinicians from Europe.

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ONE-FOUR-ONE

TRUE CLINICAL VERSATILITY

ONE SET OF INSTRUMENTS

Now you can choose your implant option, even during surgery. A single instrument set works with all four Straumann iEXCEL™ implant designs.

FOUR IMPLANT DESIGNS

Address almost every patient situation and excel in immediate treatment protocols with four implant designs in a single system.

BLX AND TLX: EXCEL IN IMMEDIACY

Featuring Dynamic Bone Management, our unique implant design makes immediate protocols achievable and predictable – even in challenging extraction sites, defective sites, or soft bone.

BLC AND TLC: CONFIDENCE TO PERFORM IN ALL INDICATIONS

Our new generation of tapered implants with slim apexes are designed for less invasive treatments, efficient insertion and high primary stability.



ONE SIZE PROSTHETIC CONNECTION

Streamline prosthetic stock thanks to same prosthetic connection across all implant diameters.

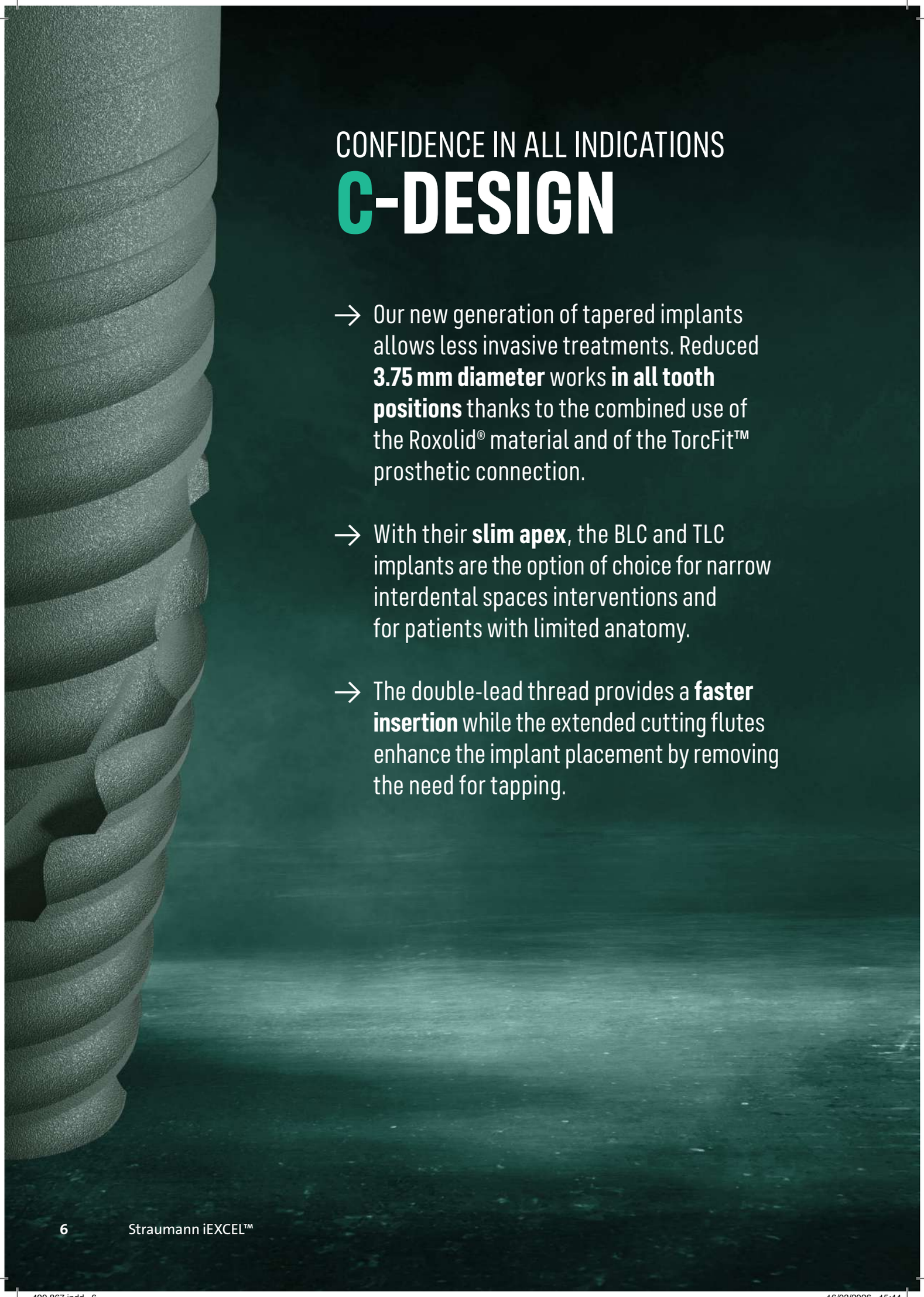
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Straumann® SLActive® surface demonstrates 100 % implant survival rate, even in patients compromised by smoking, diabetes, or radiation therapy.[1–3]

Straumann® Roxolid® alloy is stronger and biologically superior to titanium, enabling less invasive and bone preserving treatment options using smaller, stronger implants.[4–7]



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CONFIDENCE IN ALL INDICATIONS

C-DESIGN

→ Our new generation of tapered implants allows less invasive treatments. Reduced **3.75 mm diameter** works **in all tooth positions** thanks to the combined use of the Roxolid® material and of the TorcFit™ prosthetic connection.

→ With their **slim apex**, the BLC and TLC implants are the option of choice for narrow interdental spaces interventions and for patients with limited anatomy.

→ The double-lead thread provides a **faster insertion** while the extended cutting flutes enhance the implant placement by removing the need for tapping.

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EXCEL IN IMMEDIACY

X-DESIGN

- Our fully tapered implant design featuring **Dynamic Bone Management**, makes immediate protocols achievable and predictable, even in challenging situations.
- **The extra-short implants** BLX 6 mm and TLX 6 mm are a reliable treatment option in cases where bone height is minimal and can help avoid sinus lift or vertical augmentation.
- The implant's cutting properties **provide direction control** during insertion, helping you achieve optimal positioning.



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CHOOSE. MIX. EXCEL

BONE LEVEL

Straumann® Bone Level Implants are designed for a natural look and feel, with Consistent Emergence Profiles™ soft-tissue management providing outstanding esthetic results. Now with Straumann iEXCEL™ you can choose from two bone level designs to tackle most patient situations intraoperatively.

BLC and BLX Ø 3.75 mm can be used in all tooth positions to allow bone preservation and highly esthetic outcomes.

BLC FEATURES

1 PRECISE CORTICAL PREPARATION

Perfectly matching profile drills for accurate preparation of the crestal bone.

2 TAPERED DESIGN

Enables under-preparation of the bone and ensures high implant stability.

3 EXTENDED CUTTING FLUTES

Self-tapping properties remove the need for tapping.

4 SLIM APEX

For patient's limited anatomy, such as converging root tips, facial undercuts or narrow atrophied ridges.

BLX FEATURES

1 REDUCED NECK DIAMETER

Reduces stress on crestal bone and facilitates subcrestal implant placement.

2 VARIABLE THREAD DESIGN

Thin and progressive thread design for high implant stability.

3 BI-DIRECTIONAL CUTTING ELEMENTS

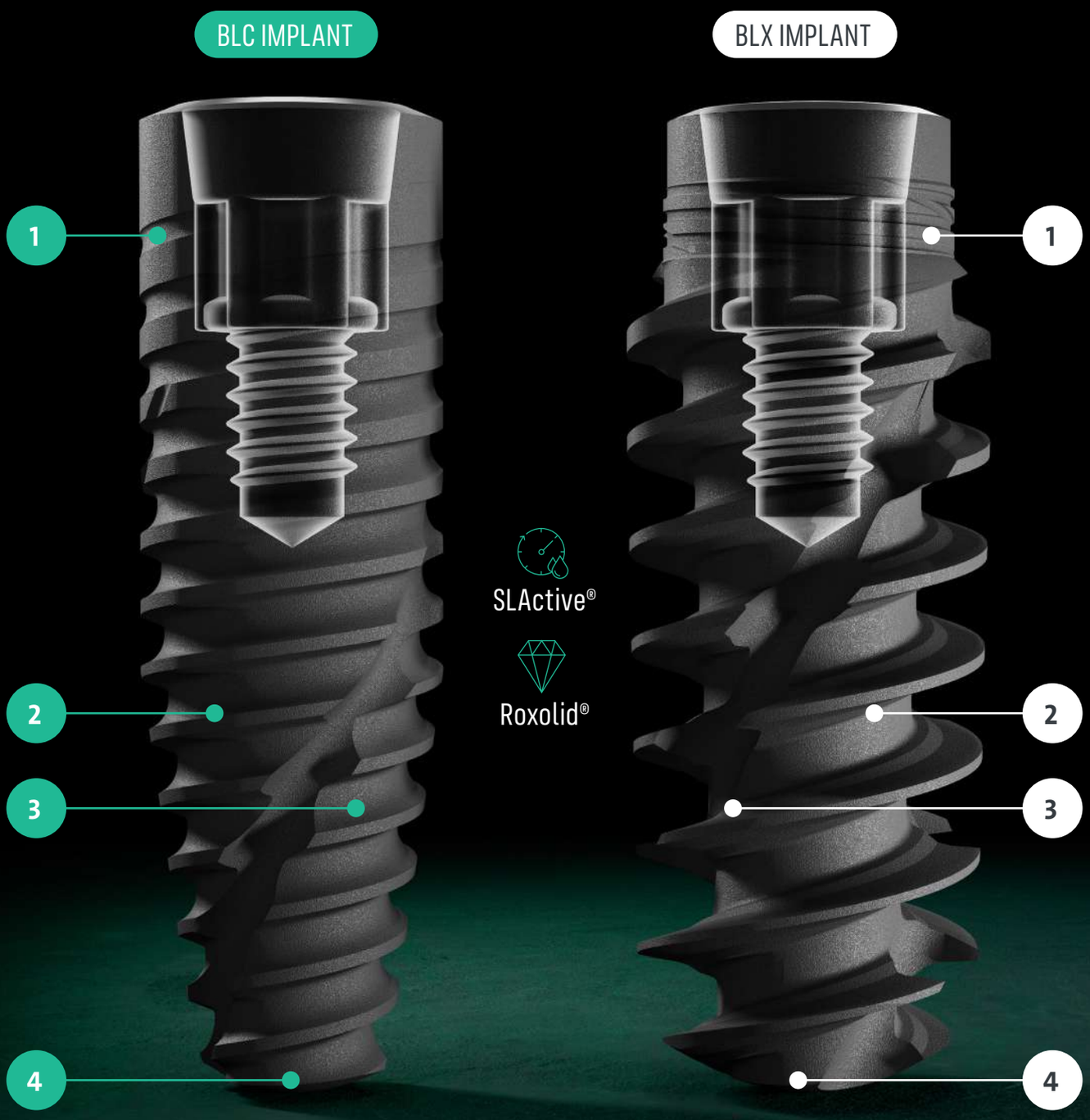
Enables direction control during insertion to achieve prosthetically optimal positioning.

4 DEEP APICAL THREADS

Large anchoring surface for immediate engagement and improved stability.

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	Ø3.3 mm	Ø3.5 mm	Ø3.75 mm	Ø4.0 mm	Ø4.5 mm	Ø5.0 mm	Ø5.5 mm	Ø6.5 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	6–16 mm



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CHOOSE.MIX.EXCEL

TISSUE LEVEL

The Straumann iEXCEL™ Tissue Level Implants respect the key biological principles of hard and soft tissue healing. They are designed to significantly reduce the risk of inflammation and bone resorption as the implant-abutment interface is moved away from the bone.[8] With the prosthetic platform above bone level, they help to achieve better visibility and accessibility, even in the posterior region.

Tissue level implants are a good choice for patients with a history of periodontal conditions.

TLC FEATURES

1 PRECISE CORTICAL PREPARATION

Perfectly matching profile drills for accurate preparation of the crestal bone.

2 TAPERED DESIGN

Enables under-preparation of the bone and ensures high implant stability.

3 EXTENDED CUTTING FLUTES

Self tapping properties remove the need for tapping.

4 SLIM APEX

For patient's limited anatomy, such as converging root tips, facial undercuts or narrow atrophied ridges.

TLX FEATURES

1 REDUCED NECK DIAMETER

Reduces stress on crestal bone and facilitates subcrestal implant placement.

2 VARIABLE THREAD DESIGN

Thin and progressive thread design for high implant stability.

3 BI-DIRECTIONAL CUTTING ELEMENTS

Enables direction control during insertion to achieve prosthetically optimal positioning.

4 DEEP APICAL THREADS

Large anchoring surface for immediate engagement and improved stability.

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	Ø3.3 mm	Ø3.75 mm	Ø4.5 mm	Ø5.5 mm	Ø6.5 mm
TLC	✓	✓	✓	✓	✓
TLX		✓	✓	✓	✓
Lengths	8–18 mm	6–18 mm	6–18 mm	6–16 mm (TLC) 6–12 mm (TLX)	6–16 mm (TLC) 6–12 mm (TLX)



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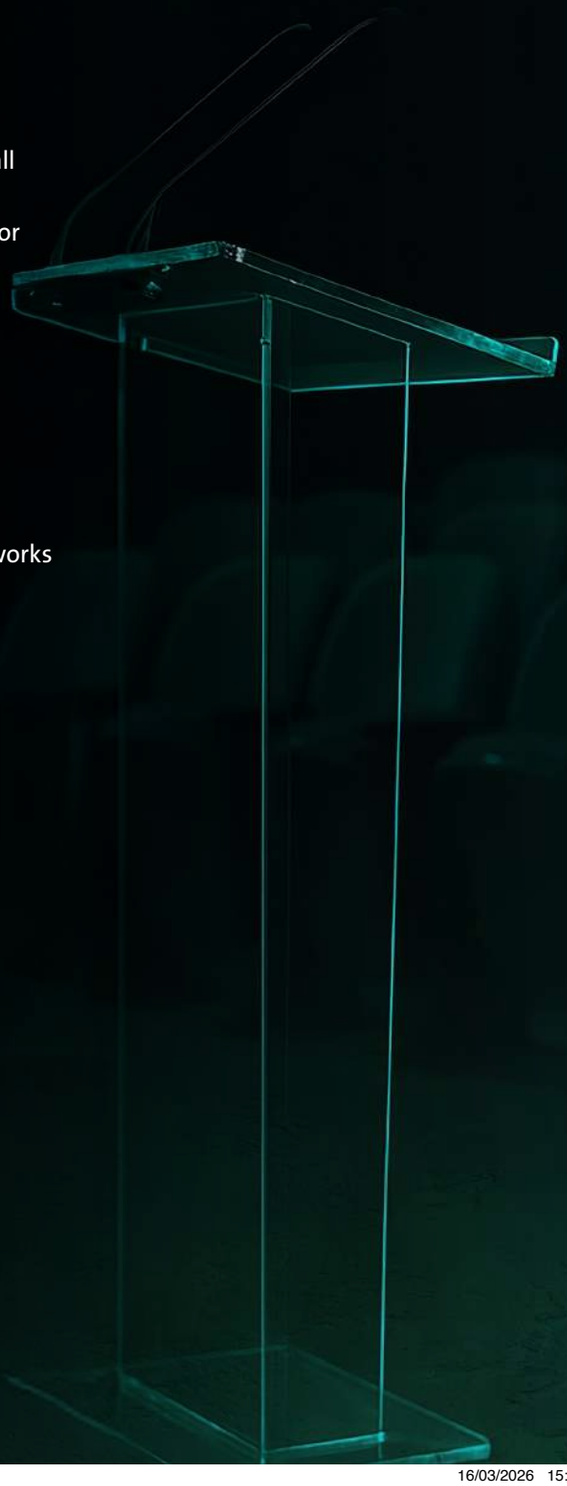
MODULAR CASSETTE AND VELODRILL™ SYSTEM

ONE INSTRUMENT SET

STRAUMANN® MODULAR CASSETTE

The Straumann® Modular Cassette is a compact instrument set which can be assembled and combined in different ways, allowing you to customize your kit with the tools you need.

→ Module A: for universal and prosthetic instruments
→ Module B: for workflow and drills – one insert that works with all Straumann iEXCEL™ implants
→ Module C: add-on for guided surgery (handles) or a simple box for auxiliaries



STRAUMANN® VELODRILL™ FLEXIBLE. SIMPLE. COOL.

The VeloDrill™ system enables you to use a single drill set that works with all Straumann iEXCEL™ implant designs.

FLEXIBLE

Shared instrumentation for freehand and guided surgery with both X and C designs.

SIMPLE

Drills are color-coded for easy identification of diameters.

COOL

Low-temperature drilling. Avoids overheating surrounding structures.

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"I want to develop people and elevate the next generation."

Straumann iEXCEL™ makes teaching clearer and outcomes repeatable: four implant designs, one prosthetic connection – simple to explain, easy to adopt. Integrated digital workflows and services streamline training and free time for coaching.



NEW STRAUMANN®
PROCLEAN™ CASSETTE

→ Metal cassette for uncompromised hygiene

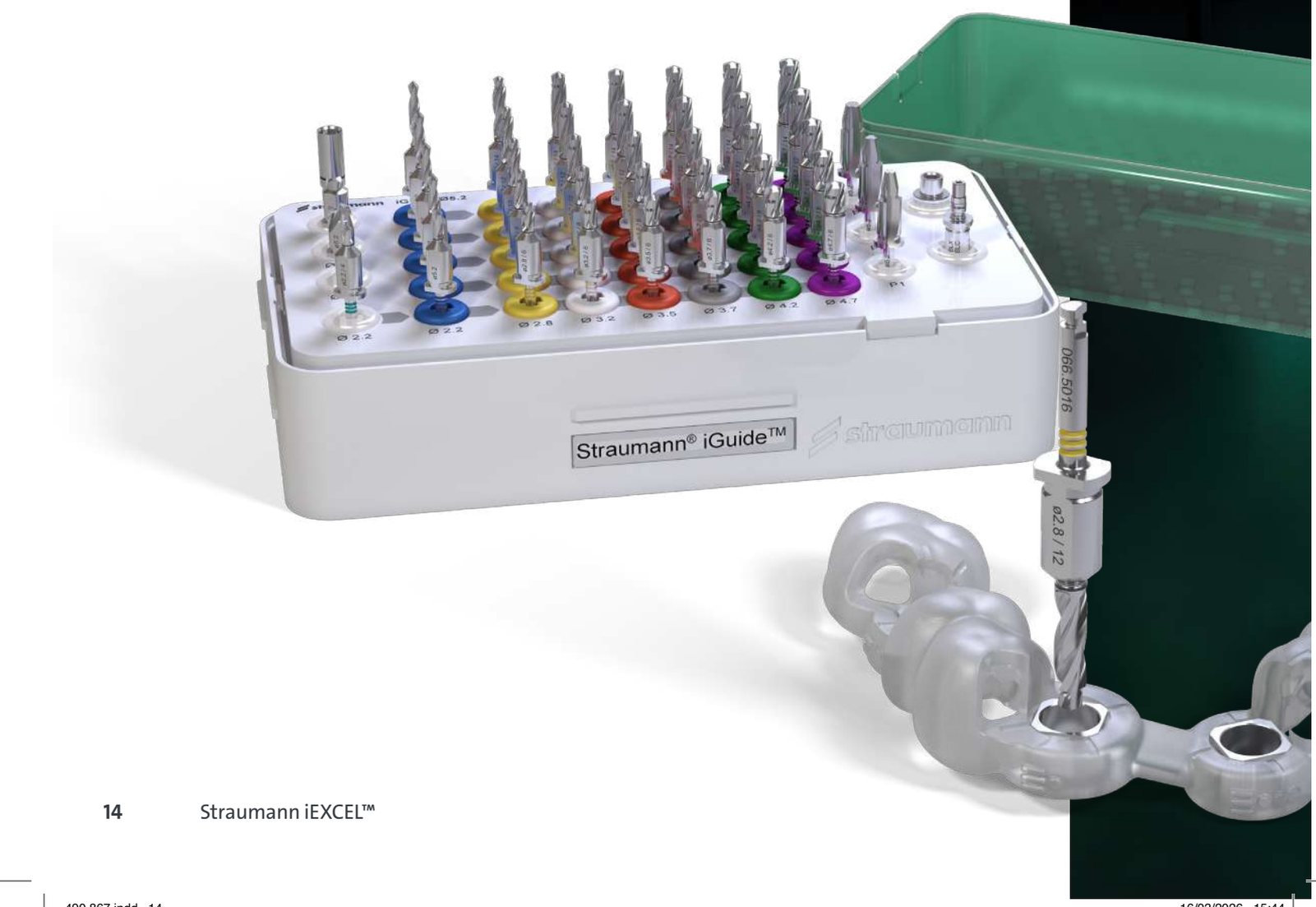


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CONFIDENCE THROUGH GUIDANCE

Straumann iGuide™ is the guided system for the Straumann iEXCEL™ implant line.

Bring your prosthetic-driven plans to life with accuracy and confidence. Streamline your workflow with a straightforward, intuitive system – and integrate seamlessly with Straumann iEXCEL™ for true versatility, simplicity, and connected dentistry. Because when accuracy meets confidence, your patients benefit first.



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"I want to stay ahead of the curve and position my practice through digital innovation."

Straumann iEXCEL™ is your interoperable stack: four implant designs unified by one prosthetic connection, fully integrated digital workflows and services for data continuity from scan to final - fast, clean, future-ready.

SEAMLESS INTEGRATION WITH STRAUMANN iEXCEL™

- → Clinical versatility: Four implant designs. One system.
- → Simplicity: One TorcFit™ connection for all four implant designs
- → Connected dentistry: Full integration into the digital ecosystem

STRAIGHTFORWARD AND INTUITIVE SYSTEM

- → One hand surgery
- → Sequential drilling and double guidance of tip and sleeve
- → Drill sequence with pictograms and color-coded workflows

PROSTHETIC-DRIVEN CONFIDENCE

- → Digital workflow designed to reduce the risk of harm for the patient[12]
- → Digital pre-operative planning executed guided increases predictability[13–15]*

* Compared to freehand surgery

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NO LIMITS. JUST CHOICE

SIMPLICITY YOU'LL LOVE



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"I want to create flawlessly executed work, where every detail reflects my craftsmanship."

Straumann iEXCEL™ elevates precision and esthetics: four implant designs, one connection for seamless control, plus integrated digital workflows that protect detail, reduce remakes, and give you more time to perfect the finish.

TORCFIT™ CONNECTION

STRENGTH OF TORX INDEX

- → Allows transfer of high torques
- → Six positions for flexible implant-abutment alignment

PRECISE FIT OF 7° CONICAL CONNECTION

- → Precise implant-abutment fit
- → Abutment screw only engages in implant when the abutment is correctly seated
- → Correctly seated abutments are secured with friction fit
- → High mechanical stability and stress distribution

ONE SIZE PROSTHETIC CONNECTION ACROSS ALL IMPLANTS

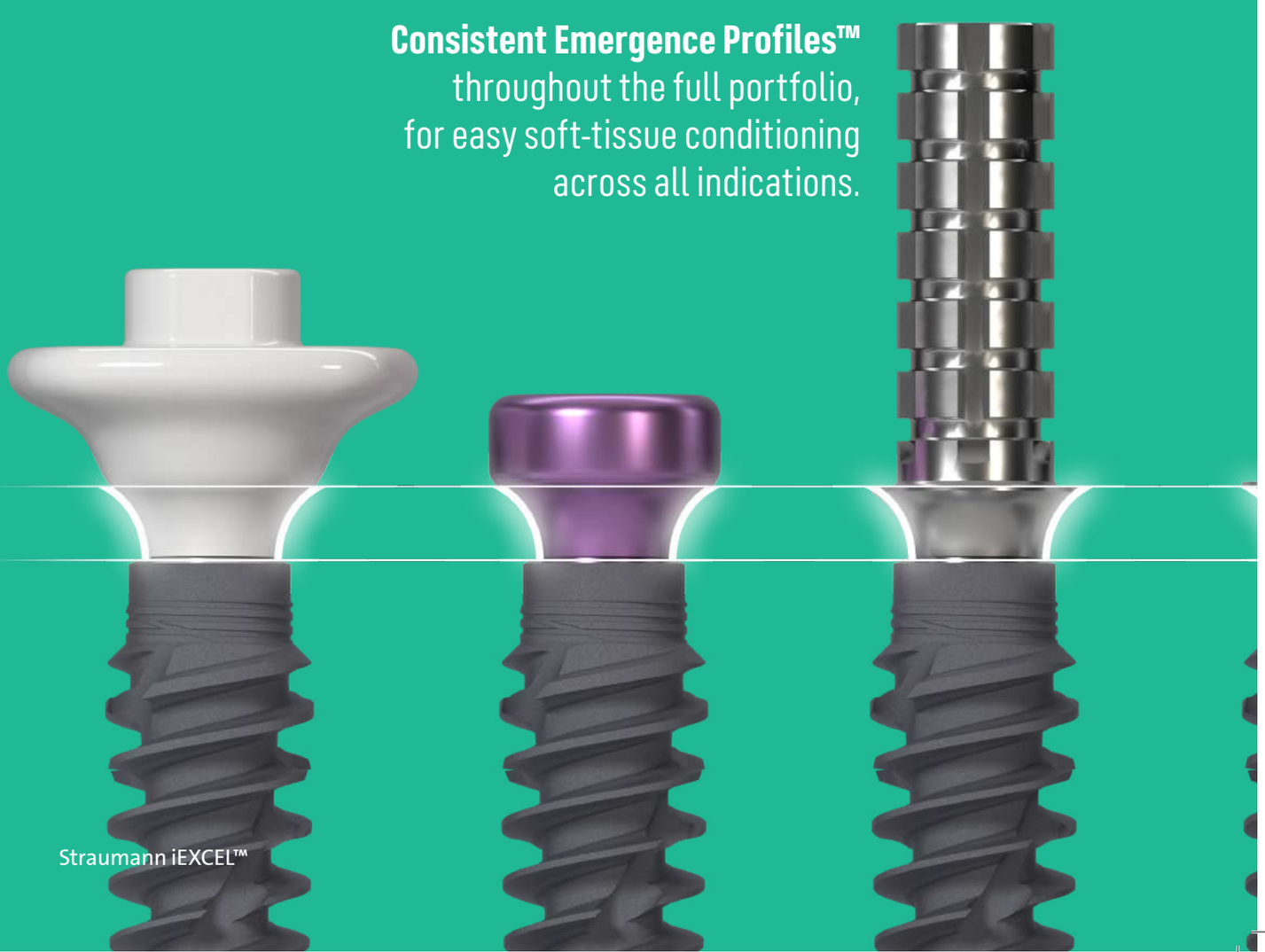
- → One single driver for all implants
- → Lower prosthetic inventory
- → Simpler staff training

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EXCELLENCE THROUGH COMPLETE PROSTHETIC PORTFOLIO

ALL INDICATIONS AND DIGITAL WORKFLOWS.

Consistent Emergence Profiles™ throughout the full portfolio, for easy soft-tissue conditioning across all indications.



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STRAUMANN® FAST MOLAR SOLUTION

The Straumann® Anatomic Healing Abutment combines an anatomically shaped healing abutment with a scan body, enabling the capture of implant position and the sub-gingival emergence profile in a single tissue-level scan. Increasing workflow efficiency while minimizing soft tissue interventions.



STRAUMANN® VARIOBASE® XC

Building on the clinically proven performance of Variobase®, Variobase® XC features a tall chimney and enhanced abutment-crown bonding strength designed to reduce the risk of debonding while eliminating the need for sandblasting. The comprehensive portfolio includes angled screw-channel options and a range of gingiva heights for single tooth to edentulous indications.



PRE-MILLED ABUTMENT BLANKS

Pre-milled abutment blanks enable in-house manufacturing of one-piece custom abutments. With a pre-machined original Straumann® connection, precision and reliability are assured.



STRAUMANN UN!Q™ CUSTOMIZED PROSTHETICS

Ensure ultimate restorative outcomes with the abutment emergence profile and shape specifically designed for your patient. For the most demanding cases, angle correction is available for abutments as well as screw-retained bars and bridges.



SCREW RETAINED ABUTMENTS (SRA) FOR BRIDGES AND FULL-ARCH

The smooth, cleanable and undercontoured design reduces the need for bone profiling in surgery and is designed to maximize space for soft tissue.



STRAUMANN® NOVALOC® RETENTIVE SYSTEM

Unique combination of ADLC-coated abutments and PEEK matrix inserts ensure low friction and excellent durability. The system accommodates up to 60° implant divergence, and offers multiple abutment heights and six retention strengths.



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EXCEL WITH THE STRAUMANN® DIGITAL ECOSYSTEM

FROM SINGLE UNIT TO FULL-ARCH

The Straumann® digital ecosystem empowers your growth with a comprehensive range of seamlessly and open solutions, streamlining and upgrading your workflow for the final benefit of your patients. You can confidently rely on a single provider for all your implant procedures.

SCAN



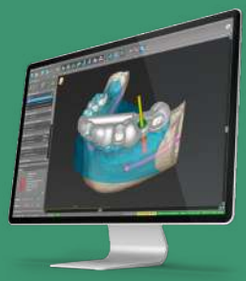
Straumann SIRIOS™ X3

ENGAGE



Smilecloud

PLAN



coDiagnostiX®

Smile in a Box®



STRAUMANN SIRIOS™ X3
Go beyond image capturing and open the door to digital dentistry with Straumann SIRIOS™ X3; with ultimate accuracy and a revolutionary scanning performance, it is specifically designed to unlock streamlined digital workflows.

SMILECLOUD
Captivate your patients through natural biometric smile design and effectively engage your network with the potential of interdisciplinary workflows. Start today with Smilecloud!

CODIAGNOSTIX®
Unlock the potential of treatment planning with coDiagnostiX® including AI-powered data preparation, visualization and automated tooth extraction designed to efficiently access immediate treatments.

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Discover the Straumann® solutions for digital workflow.

FLEXIBILITY

From single unit to edentulous cases, with our solutions you have the right tools to streamline your workflow.

EFFICIENCY

Implement streamlined workflows that are designed to promote speed and quality in your treatment.

PREDICTABILITY

Boost your confidence with digital treatment planning and guided procedures designed to achieve predictable results.

EXCELLENCE POWERED BY AI

Our solutions are infused with AI to empower you to achieve your goals with efficiency and speed.

PLACE



Straumann iEXCEL™

2ND SCAN



Straumann SIRIOS™ X3

PRODUCE



Straumann UN!Q™



Straumann EXACT™



Straumann® Anatomic Healing Abutment



Straumann® Variobase® XC

SMILE IN A BOX®
Outsource planning, design, and/or manufacturing and access immediate treatment protocols without requiring additional hardware and software investments.

STRAUMANN EXACT™
Straumann EXACT™ offers a fully digital, cost-effective full-arch workflow. BASE scanbodies and LINKS enable precise SRA scanning, seamlessly integrating with Straumann AXS™ for accuracy, efficiency, and flexibility without costly photogrammetry.

STRAUMANN UN!Q™*
Use a premium service to outsource the planning, design, and manufacturing of your custom implant prosthetics on demand, based on your specific needs.

*The availability varies by region; contact local team for details.

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STRAUMANN PRO ARCH™

EXCEL IN FULL-ARCH

Powered by Straumann iEXCEL™, our ultimate dental performance system, Straumann Pro Arch™ now delivers more performance and versatility with four implant designs in a single instrument set. Evidence-based technologies such as Roxolid® and SLActive®, and integrated digital workflows provide clinicians with predictability, and peace of mind in challenging clinical situations while bringing efficiency to your practice.

PATIENT-CENTRIC VERSATILITY



Bone and Tissue Level implants
→ Length: from 6 mm to 18 mm
→ Diameter: from Ø 3.3 mm to Ø 6.5 mm

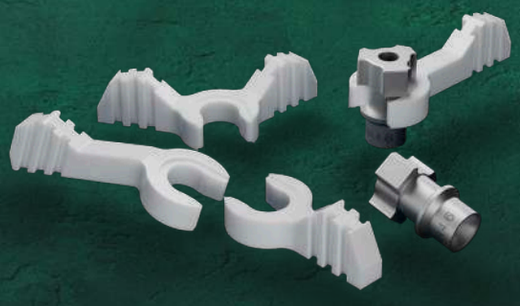
SLActive® Roxolid®

SIMPLICITY FOR CHALLENGING CASES

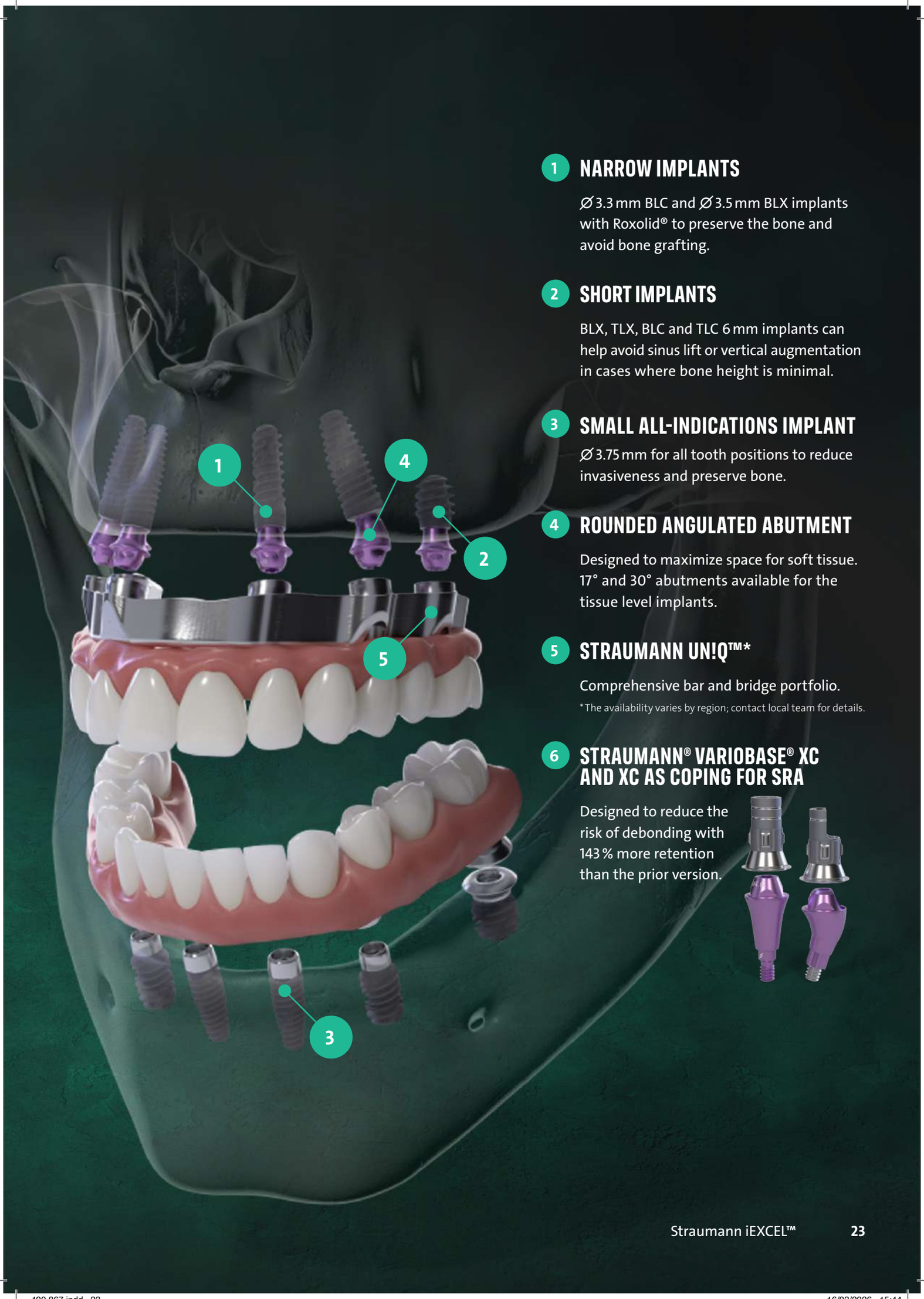
→ One connection
→ One instrument set
→ Short surgical protocols

DIGITAL FULL-ARCH

→ Smilecloud
→ Smile in a Box®
→ Straumann® RevEX™
→ Straumann EXACT™
→ Straumann UN!Q™



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1 NARROW IMPLANTS

Ø 3.3 mm BLC and Ø 3.5 mm BLX implants with Roxolid® to preserve the bone and avoid bone grafting.

2 SHORT IMPLANTS

BLX, TLX, BLC and TLC 6 mm implants can help avoid sinus lift or vertical augmentation in cases where bone height is minimal.

3 SMALL ALL-INDICATIONS IMPLANT

Ø 3.75 mm for all tooth positions to reduce invasiveness and preserve bone.

4 ROUNDED ANGULATED ABUTMENT

Designed to maximize space for soft tissue. 17° and 30° abutments available for the tissue level implants.

5 STRAUMANN UN!Q™*

Comprehensive bar and bridge portfolio.

*The availability varies by region; contact local team for details.

6 STRAUMANN® VARIOBASE® XC AND XC AS COPING FOR SRA

Designed to reduce the risk of debonding with 143 % more retention than the prior version.

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CLINICAL CASES

Lower molar tooth replacement in healed site

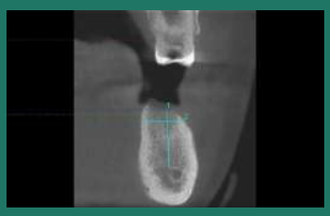
Freehand surgery for a lower molar tooth replacement in a healed site using an apically tapered Straumann BLC™ implant ⌀4.5 mm × 12 mm SLActive®, Roxolid®, and following a conventional loading protocol.



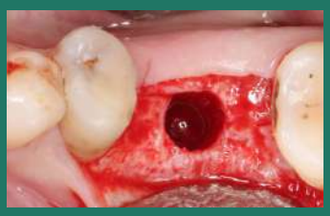
Dr. Algirdas Puišys



Intraoral situation of left lower quadrant



CBCT analysis reveals available bone before implantation



Implant bed ready to receive the implant



Straumann® BLC implant ⌀4.5 mm × 12 mm, SLActive®, Roxolid® in final position



Post insertion radiograph



12 weeks of osseointegration and soft tissue healing



Definitive screw-retained implant crown after 12 weeks



Radiograph of final crown on Variobase® abutment screw-retained in final position

Immediate implant placement and provisional restoration of upper premolar

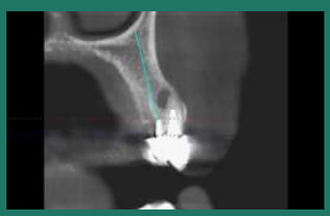
Freehand surgery for immediate implant placement of an upper premolar, using an apically tapered Straumann BLC™ implant ⌀4.5 mm × 12 mm, SLActive®, Roxolid®, and immediate provisional restoration, followed by final restoration using a digital workflow.



Dr. Algirdas Puišys



Intraoral situation of tooth #24



CBCT analysis



Occlusal view of the extraction socket



Insertion of Straumann BLC™ implant ⌀4.5 mm × 12 mm, SLActive®, Roxolid®



Implant in final position prior to gap management with bone grafting



Immediate provisional crown



12 weeks of osseointegration and soft tissue healing



Definitive screw-retained implant crown after 12 weeks

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Lower molar tooth replacement in healed site

Utilizing digital planning for the replacement of a lower molar tooth in a healed site to establish a prosthetically-driven implant position. Conducting free-hand surgery for the placement of an apically tapered Straumann TLC™ implant, ∅4.5 mm × 10 mm SLActive®, Roxolid®. Following a healing period of 14 weeks, the digitally fabricated screw-retained crown is delivered.



Dr. Alessandro Perucchi



Dr. Cristian Scognamiglio



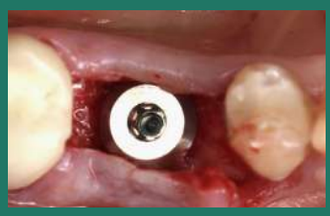
Intraoral situation of right lower quadrant



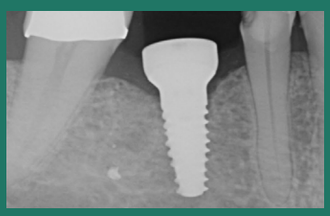
Digital planning to establish a prosthetically-driven implant position



Full-thickness flap was raised to allow access to the bone and evaluate the local anatomy. Alignment pin placed to check the 3D position of the osteotomy and preparation depth.



Implant in final position



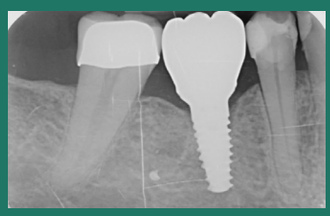
Radiographical control after insertion of dental implants.



Scanbody for digital impression



Definitive screw-retained crown in position after 14 weeks

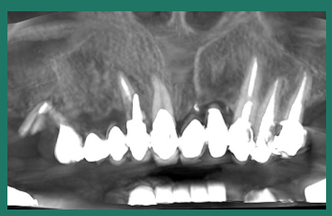


Radiograph of final crown on Variobase® abutment screw-retained in final position

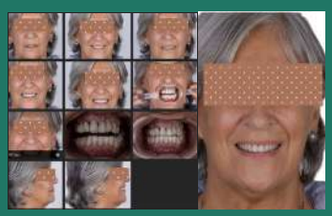
Immediate maxillary full-arch treatment using Straumann Pro Arch™ BLC with a digital workflow



Dr. Andre Chen



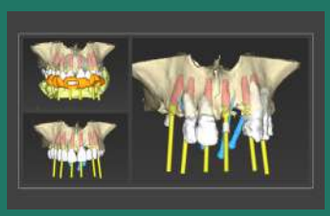
Pre-operative CBCT analysis



Digital smile design using Smilecloud



3D virtual impression position between arches



Full-arch digital planning in the maxilla. Alignment of implants' positions and surgical guide 3D position



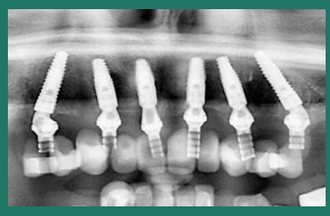
Implants in final position. Straumann BLC™ ∅ 3.75 × 12 mm Roxolid®, SLActive® (#22, #12, #14, #24) and ∅ 3,75 × 14 mm BLC (#26, #16)



Screw retained abutments in correct position



Provisional screw-retained upper full-arch restoration



Radiographic control. Provisional fixed restoration in final position

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STRAUMANN® REGENERATIVE SOLUTIONS

MASTER ANY CHALLENGE

To ensure clinical success, dental implants require stable and healthy hard and soft tissue. Straumann® Regenerative Solutions regenerate the hard and soft tissue around teeth or dental implants, to maintain long-lasting functionality and esthetics. Our solutions are built on three pillars along the patient's dental journey, and cover the entire range of cases, from simple to complex.

TOOTH PRESERVATION

Natural teeth are unique and, as dental professionals, we strive to preserve them as long as possible. Untreated inflammation can advance to periodontitis and potentially result in tooth loss. Straumann® Emdogain® is a central part of our solution to support the effective regeneration of the periodontium and accelerate the healing to help maintain natural teeth.

IMPLANT SITE MANAGEMENT

The right amount of hard and soft tissue is key for successful dental implant placement. Our solution includes a comprehensive biomaterials portfolio to support tissue regeneration for optimal implant placement conditions.

IMPLANT PRESERVATION

Healthy peri-implant tissues are vital to preserve the placed implant. Untreated inflammation can advance to peri-implantitis and potentially result in implant loss. GalvoSurge® is a central part of our solution to support the effective regeneration of hard and soft tissue to help maintain dental implants.



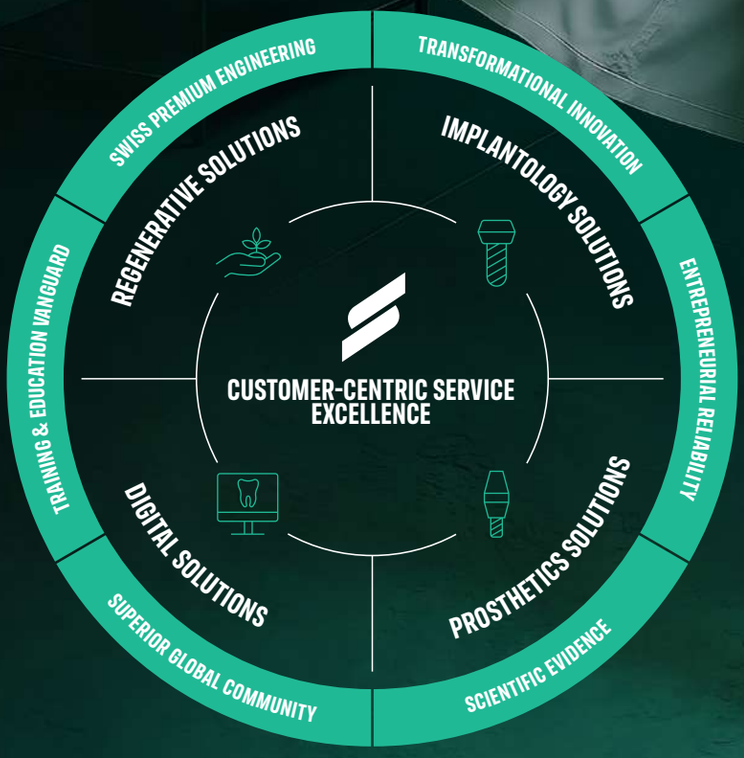
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DRIVEN TO EXCEL

FOR YOU AND YOUR PATIENTS

A comprehensive array of products, solutions, and services made Straumann® a leader in the global market for implant, restorative, and regenerative dentistry. With a focus on digital, seamless workflows, Straumann® provides an end-to-end, customer-centric treatment experience. An integrated ecosystem enhances efficiency, convenience, and collaboration, supporting dental professionals with secure data storage and sharing, and leveraging evidence-based and data-driven processes.

Available in more than 100 countries, the Straumann® brand is associated with Swiss quality, precision, and innovation, fostering confidence among dental professionals, supported by the world's largest global scientific network and a partnership with the International Team for Implantology (ITI).



Straumann® is the flagship brand of the world's largest implant manufacturer group – the Straumann Group. Renowned as one of the most iconic brands in dentistry, we have a long-standing legacy of pioneering significant advancements in the field. We are at the forefront of expanding the scope of dental care by relentlessly and consistently providing excellence and transformational innovation to a global community of forward-thinking dental professionals.

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Straumann iEXCEL™: the performance system that empowers dental heroes. **You already have the power. Straumann helps you to unleash it.**

→ Straumann iEXCEL™ unlocks unique next-level efficiency, control and confidence.

→ Turning your talents into superpowers, and your vision into reality that changes lives for the better.

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