

EXCELLENCE IN IMMEDIACY

Straumann® TLX Implant System
Iconic Tissue Level meets
Immediacy.





“Every single time using TLX, I am left amazed and surprised with the results. I am experiencing a soft tissue response that I have never seen before. Following the same protocols as I always did, instead of good results we now have even better outcomes. The fundamental enhancement is unbelievable tissue response, and in challenging areas the tissue forgiveness is superb. For this reason I just can’t stop using it. My full arch and single tooth experience with TLX is very rewarding, not only for me but for our patients. Many times over the years with immediacy; I wished for a product like TLX.”

Dr. Abid Faqir



DESIGNED FOR IMMEDIATE PROTOCOLS

- Fully tapered implant design for optimized primary stability combined with the predictability of Tissue Level Implant
- A narrow implant diameter option, 3.75 mm for all indications



PERI-IMPLANT HEALTH PRESERVATION

- Reduced risk of nesting bacteria
- Optimized cleansability with the connection at the soft-tissue level
- Immediate soft-tissue attachment preservation

Iconic Tissue Level meets Immediacy.

The design of the Straumann® TLX Implant takes into account key biological principles of hard and soft tissue healing.

By moving the micro-gap away from the bone, long-term success can be ensured, and the risk of inflammation and bone resorption significantly reduced.

Straumann® TLX has been perfected for immediacy and is an excellent solution for all other indications to suit the dentist's preferred treatment protocol – ranging from immediate to conventional placement and loading.

The Straumann® TLX Implant System perfectly complements our bone-level BLX Implant System. Both systems use one common drill set and TorFit™ connection for maximum compatibility with minimum investment.



SIMPLICITY AND EFFICIENCY

- A one-stage process with restoration at soft-tissue level allows you to use chair time more efficiently
- Ease of restoration even in the posterior region
- Highly efficient treatment protocol thanks to straightforward conventional and digitally integrated workflows



DYNAMIC BONE MANAGEMENT

- Redistribution of native bone and control over insertion torque



REAL CONFIDENCE

- Swiss precision and quality with Roxolid® material and SLActive® surface

TLX Implant System

The next stage of evolution for
Tissue Level Implants.

1986

Straumann® Tissue Level

Classic standard for
timeless confidence.

▶ **30 YEARS OF DATA**

1997

Straumann® SLA®

Longevity and efficiency
in daily practice.

▶ **20 YEARS OF DATA**

2005

Straumann® SLActive®

Performance beyond
imagination.

▶ **15 YEARS OF DATA**

2009

Straumann® Roxolid®

More than solid –
Roxolid®. Reducing
invasiveness.

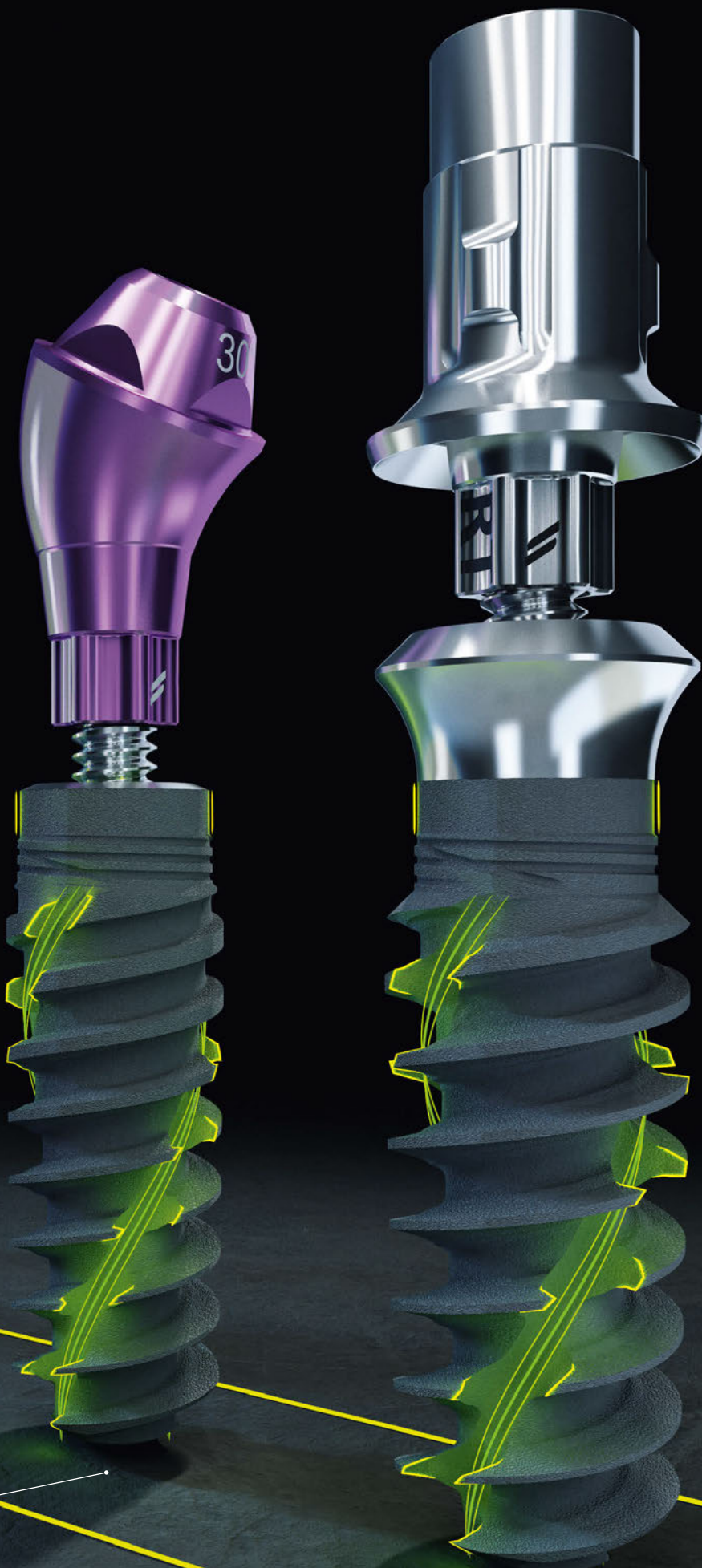
▶ **10 YEARS OF DATA**

2019

BLX Implant System

Confidence beyond
Immediacy.

▶ **200'000+ implants
placed**



2021

TLX Implant System
Iconic Tissue Level
meets Immediacy.

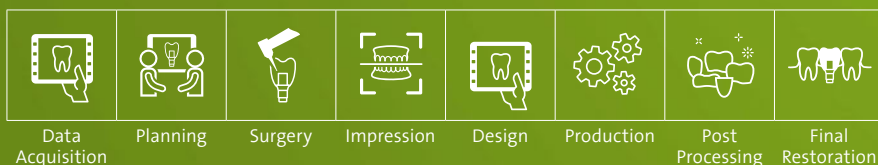
Straumann® TLX Implant System Highlights

We have built on and perfected our well established scientifically proven Straumann® Tissue Level System, to take it to the next level.



DESIGNED FOR IMMEDIATE PROTOCOLS

Developed for optimal primary stability and immediate protocols in all bone types.



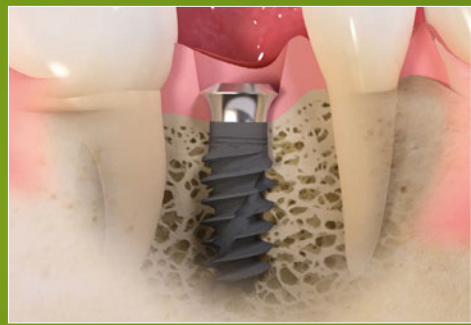
BORN DIGITAL

Fully integrated in digital workflows. From the implant planning to the final customized prosthetic.



PERI-IMPLANT HEALTH PRESERVATION

No gap at bone level. Designed for outstanding long-term results. The right choice for the patients, also with periodontal conditions history.



SIMPLICITY AND EFFICIENCY

- Built-in emergence profile and simple soft-tissue management.
- Transgingival healing. No second stage surgery.
- Clear view and accessibility of the connection, even in the posterior region.



REDUCING INVASIVENESS

- Short implant option.
- A narrow implant diameter option, 3.75 mm for all indications.
- Multiple narrow neck options for limited space. Now for all indications.





Designed for Immediate Protocols

The intelligent implant concept developed for optimal primary stability and immediate protocols in all bone types.



Dynamic Bone Management

VARIABLE THREAD DESIGN

Thin and progressive thread design for high primary stability and efficient insertion

SLIM AND FULLY TAPERED IMPLANT CORE

Allows for small and undersized osteotomy

FULL LENGTH DYNAMIC CHIP FLUTE

Collects and condenses native bone chips and distributes them around the implant body

BI-DIRECTIONAL CUTTING ELEMENTS

Designed for reverse and forward cutting control and flexibility during implant insertion

DEEP APICAL THREADS

Large anchoring surface for immediate engaging and stability





Peri-implant Health Preservation

SIMPLICITY AND EFFICIENCY

Simple prosthetic portfolio working at soft tissue level reducing cementation challenges

EASY HYGIENE MAINTENANCE

To make patients life easier

BUILT-IN EMERGENCE PROFILE

Enhances shaping of soft tissue

MACHINED COLLAR

Manages the healing of peri-implant tissue and preserves soft tissue that forms around the implant during healing phase

NO MICRO-GAPS IN THE CRITICAL HEALING ZONE

Implant-abutment interface is positioned above bone level

2 NECK HEIGHTS



Two neck heights to facilitate different gingiva situations

Real Confidence

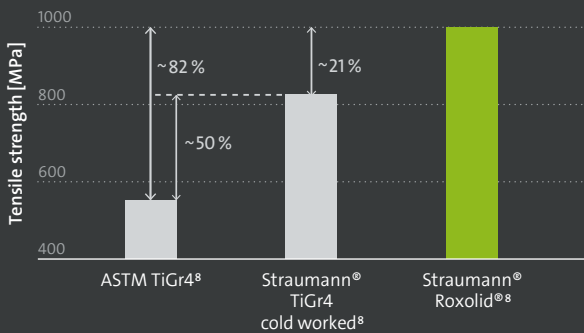
Swiss precision and quality with innovative technologies backed by long-term scientific evidence and fully integrated in our digital solutions workflows. Designed for predictable results you can trust.



Roxolid®

Reducing invasiveness with smaller implants

- Preserves vital structures and vascularization^{1,2}
- Reduces invasive grafting procedures^{1,2}
- Increases treatment options in challenging anatomical situations and narrow interdental spaces^{2,3}



SLActive®

Performance beyond imagination

- Reduces healing period from 6 – 8 weeks down to 3 – 4 weeks in all indications*
- 98.2% implant survival rate in immediate loading after 10 years⁴
- Enhanced bone regeneration even at compromised sites⁷
- 100% implant survival rate in irradiated patients with compromised bone after 5 years^{5,6}

* compared to SLA®. Indications: from single tooth to edentulous



Mineralization after 21 days⁹



Prof. Daniel Buser

“The future in implant dentistry is with neck designs combining a smooth surface in the trans-mucosal area with a micro-rough surface inside the bone. As the Derks study showed, moving the micro-gap away from the bone and having a smooth surface in the peri-implant sulcus reduces the risk of peri-implant complications. TLX combines this concept with an innovative endosteal design, ensuring optimal primary stability, and will open a range of new clinical possibilities.”

A source of confidence. Proven clinical advantages.

DESIGNED TO PRESERVE PERI-IMPLANT HEALTH¹

Straumann® Tissue Level Implant design takes into account the key biological principles of hard and soft tissue healing. Simulating the natural situation of biological width formation is crucial for the health of peri-implant tissues. Preserving the tissues and attachments formed around the implant helps ensure long-term treatment success and significantly reduces the risk of inflammation and bone resorption.^{2,3}

This iconic design has proven its efficacy and will continue to provide long-term peace of mind, time after time.

PROVEN STANDARD OF EXCELLENCE

A large independent study on peri-implantitis¹ demonstrated substantial differences between implant systems and the occurrence of peri-implantitis. The probability of being diagnosed with peri-implantitis nine years after implant therapy was lowest with the Straumann® Tissue Level SLA® Implants compared to alternative systems.

Odds ratios of peri-implantitis nine years after implant placement¹

Straumann® | 1



Nobel Biocare® | 3.7



Astra® Tech Implant System | 3.5



98.3% Nobel Biocare® implants with the TiUnite® surface
96.6% Astra® Tech implants with TiOblast® surface
All Straumann® TL Implants with SLA® surface

Simplicity and ...

Prosthetic portfolio, designed to meet the needs of all treatment workflows and focusing on immediate protocols.

SIMPLE AND COMPREHENSIVE PROSTHETIC SOLUTIONS

Prosthetic at soft tissue level is simple and reduces cementation challenges. Meeting a wide range of prosthetic needs: straightforward, high esthetics, advanced.



STRAIGHTFORWARD

Cost-effective solution with standard components and techniques for straightforward cases.

HIGH ESTHETICS

Solution for cases requiring an enhanced degree of individualization combined with zirconia for high esthetics, or high noble gold alloys.

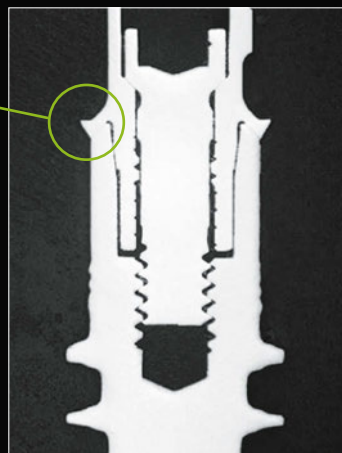
ADVANCED

Technically advanced solution for cases requiring an enhanced degree of individualization. Perfectly adapted to the digital workflow.



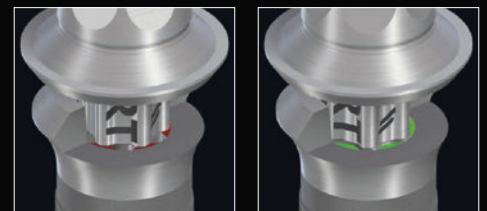
TorcFit™ Connection

Tight connection sealing



Ease of handling:

- Simple abutment placement at the soft-tissue level
- Easy handling of direct-to-implant restorations



Delivers high flexibility and high strength.

Abutment screw engages in implant only if seated correctly. So no hassle to confirm proper seating by x-ray.

... efficiency

For a complete overview of the DIGITAL PRODUCTS AND SERVICES, like Smile in a Box® visit our website:



BORN DIGITAL

Fully integrated in the Straumann Group Digital Solutions ecosystem.



STRAUMANN® MODULAR CASSETTE

A cassette that grows with you

- One surgical protocol for TLX and BLX.
- VeloDrill™: cool drilling, no collateral tissue damage



STRAUMANN® BIOMATERIALS

Advanced solutions for immediate treatment protocols:

- **Straumann® XenoGraft:** Natural, bovine bone substitute for extended stability
- **Jason® membrane:** Thin and tear-resistant membrane with a long barrier function, derived from native collagen from porcine pericardium
- **mucoDerm®:** Stable, easy-to-handle collagen matrix derived from porcine dermis for soft-tissue augmentation; it reduces morbidity and increases patient comfort compared to autogenous grafts



Straumann® TLX Implant System

We have built on and perfected our well established scientifically proven Straumann® Tissue Level System, to take it to the next level.

Wide range of implant diameters and lengths

TorcFit™ Connection

NT	RT	NT	RT	WT	WT
Narrow TorcFit™	Regular TorcFit™	Narrow TorcFit™	Regular TorcFit™	Wide TorcFit™	Wide TorcFit™
Ø3.75		Ø4.5		Ø5.5	Ø6.5
6 mm, 8 mm, 10 mm, 12 mm, 14 mm, 16 mm, 18 mm				6 mm, 8 mm, 10 mm, 12 mm	
All indications					

REFERENCES

1 Ioannidis A, Gallucci GO, Jung RE, Borzangy S, Hämmerle CH, Benic GI. Titanium-zirconium narrow-diameter versus titanium regular diameter implants for anterior and premolar single crowns: 3-year results of a randomized controlled clinical study. *J Clin Periodontol*. 2015 Nov;42(11):1060-70. doi: 10.1111/jcpe.12468. Epub 2015 Nov 14. 2 Al-Nawas B, Domagala P, Fragola G, Freiburger P, Ortiz-Vigón A, Rousseau P, Tondela J. A Prospective Noninterventional Study to Evaluate Survival and Success of Reduced Diameter Implants Made From Titanium-Zirconium Alloy. *J Oral Implantol*. 2015 Aug;41(4):e118-25. doi: 10.1563/AAID-JOI-D-13-00149. Epub 2014 Mar 25. 3 Altuna P, Lucas-Taulé E, Gargallo-Albiol J, Figueras-Álvarez O, Hernández-Alfaro F, Nart J. Clinical evidence on titanium-zirconium dental implants: a systematic review and meta-analysis. *Int J Oral Maxillofac Surg*. 2016 Jul;45(7):842-50. doi: 10.1016/j.ijom.2016.01.004. Epub 2016 Feb 3. 4 Nicolau P, Guerra F, Reis R, Krafft T, Benz K, Jackowski J 10-year results from a randomized controlled multicenter study with immediately and early loaded SLActive implants in posterior jaws. Presented at 25th Annual Scientific Meeting of the European Association of Osseointegration – 29 Sep – 1 Oct 2016, Paris. 5 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. 6 Patients treated with dental implants after surgery and radio-chemotherapy of oral cancer. 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 Impl. Res.* 22, 2011; 546–551. 7 Straumann (2016). SLActive® supports enhanced bone formation in a minipig surgical GBR model with coronal circumferential defects. Unpublished data. 8 Norm ASTM F67 (states min. tensile strength of annealed titanium); data on file for Straumann cold-worked titanium and Roxolid® implants. 9 Maniura K. Laboratory for Materials – Biology Interactions Empa, St. Gallen, Switzerland. Protein and blood adsorption on Ti and TiZr implants as a model for osseointegration. EAO 22nd Annual Scientific Meeting; October 17–19; 2013; Dublin.

International Headquarters

Institut Straumann AG
 Peter Merian-Weg 12
 CH-4002 Basel, Switzerland
 Phone +41 (0)61 965 11 11
 Fax +41 (0)61 965 11 01
www.straumann.com