

STRAUMANN® DIGITAL SOLUTIONS

For professional dental laboratories
and DSOs



System overview

THE NEXT GENERATION OF DIGITAL SOLUTIONS FOR PROFESSIONAL DENTAL LABORATORIES.



You probably know Straumann® as the market leader in dental implants. But did you know that we offer holistic solutions from implants to prosthetics with a fully digital workflow?

Guillaume Daniellot, CEO Straumann Group



HIGH QUALITY

Trust in reproducible results and premium quality from Straumann Group.



The Straumann Group is a global leader in tooth replacement and orthodontic solutions that restore smiles and confidence. It unites global and international brands that stand for excellence, innovation and quality in replacement, corrective and digital dentistry.

Straumann Group Digital Solutions delivers consistent, high-quality products you can rely on. Reliable enough to meet the demand for high productivity in dental labs. Flexible enough for a wide variety of indications and applications.

Our range of digital solutions allows dental laboratories to increase productivity and enhance their customer service offering. Easy-to use, plug-and play features allow you to improve overall efficiency and shorten patient treatment time. Our digital workflow allows the combination of individual components to work together to deliver high-quality performance, giving you access to a complete solution from a single supplier.



FLEXIBILITY

Full control and the ability to adapt the production process to meet individual needs.



PRODUCTIVITY

Increase productivity and profitability from planning to production and finishing.



EFFICIENCY

Improve efficiency of your workflow and shorten turnaround times.



DIGITAL SOLUTIONS THAT MAKE YOUR **WORK FLOW.**

The Straumann Group offers a range of holistic solutions from implants to prosthetics with a fully digital workflow. With the peace of mind that comes with the dedicated support from a single-source provider of digital solutions from intraoral scanners, 3D printers and resins.

DISCOVER THE BROAD SPECTRUM OF INTRAORAL AND LAB SCANNERS FROM STRAUMANN GROUP

The name Straumann Group is synonymous with innovation, trust and confidence in dentistry. With intraoral scanners from Straumann Group Digital Solutions the choice is yours.

Give your patients what they expect in a digital world: faster, easier and more comfortable dental care. And it all starts with a great scanner. Keep up with the pace and explore the endless possibilities of digital scanning. Straumann Group Digital Solutions have combined 'what's needed' with 'what's possible' in our portfolio.

Choose the digital solution that best fits your needs—from plug & play simplicity to empowering innovation that redefines the boundaries of possibility with our digital eco-systems.

DIGITAL SCANNERS. CHOOSE THE BEST FIT FOR YOUR NEEDS.



SIMPLICITY



COMFORT



SPEED



FLEXIBILITY



Virtuo Vivo™ IOS

Entry-level scanner.



3Shape TRIOS®

High-end IOS with comprehensive ecosystem.

ENJOY THE FULL POTENTIAL OF DIGITAL WITH OUR SOFTWARE SOLUTIONS.



coDiagnosiX® – The intuitive and easy-to-use digital solution for implant planning and design.



PREDICTABILITY

Comprehensive planning for successful digital implant placement.



ADDED VALUE

Support for digital drill guide design and fabrication directly through your local laboratory.



VISUALIZATION

Better patient communication thanks to sophisticated visualization features.

coDiagnosiX® offers integrated communication tools, a large element library and open interfaces to facilitate seamless and efficient workflow integration.

Digital implant placement planning with coDiagnosiX® allows you to easily plan precisely so that you can achieve predictable results in simple to advanced surgical cases.

The software offers numerous measurement and planning functions, such as automatic nerve canal detection and various distance monitoring functions.

coDiagnosiX® is an open system for dental surgery planning and guide design. It facilitates seamless collaboration with your clinicians and the provision of planning and production services on a full range of indications while supporting fully digital workflows that ensure cost-efficient high-volume production.

coDiagnosiX® provides a best-in-class treatment planning workflow and guide design that has been perfected through more than 20 years of experience in precision design to deliver accurate guides to help your clinicians achieve predictable surgical results without surprises.

CONNECTIVITY, PEACE OF MIND AND GREAT RESULTS WITH CODIAGNOSTIX® AND CARES® VISUAL.



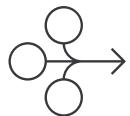
PRECISION

Integrates predefined milling parameters.



RELIABILITY

Provides established and proven scanning and CAD processes.



REDUCED COMPLEXITY

Eliminates complexity and the need to migrate between different systems.

CARES VISUAL – THE DIGITAL BACKBONE FOR ALL STRAUMANN GROUP DIGITAL SOLUTIONS.

CARES® Visual software enables you to design a wide range of prosthetic restorations and to transfer your design directly to your milling or 3D printing solution of choice.

The user-friendly software is a complete and comprehensive dental interface, giving you access to a variety of services and design solutions that will enhance your daily practice experience. It is based on the DWOS GA version from Dental Wings, the largest global network of digitally enabled dental professionals.

Because we care about the whole workflow from start to finish, Straumann Group Digital Solutions connects carefully selected dental equipment with the latest digital technology and premium materials to provide an efficient, open and integrated digital workflow for dental professionals.

From scan to design to manufacture, CARES® Visual software guides you through each production step with a simplified workflow.



Benefit from increased connectivity, productivity and efficiency.

UNLEASH YOUR **FULL POTENTIAL** THROUGH COMPLETE MANUFACTURING FREEDOM.



UNRIValed PRODUCTIVITY

Delivers high productivity while maintaining maximum flexibility enabling complete manufacturing freedom.



VALIDATED PROCESSES

We test our digital solutions with intelligent connectivity from scan to design and print as one system for reliable quality and accuracy.



OUTSTANDING SPEED

Patented Force Feedback technology increases print speed.



Dental professionals are discovering the benefits of embracing a digital manufacturing workflow. The days of traditional plaster-cast models are numbered. Don't get left behind. Discover the benefits of 3D printing to produce dental models, crowns and bridges, splints and surgical guides with the benefits of automated print separation and resin refill systems to help automate your business.

We have redefined 3D digital printing. We have just expanded the Straumann® P series, our professional 3D printing offering with our advanced top of the range P50+. The P50+ is your gateway to professional, high-capacity 3D printing.

Designed to meet your productivity needs, the Straumann® P50+ delivers user-friendly convenience with less room for human error. With the peace of mind that comes with the unrivaled support from a single-source provider of digital solutions from intraoral scanners, 3D printers and resins designed for dental 3D printing.

Move into the digital fast lane, with a modern approach and a new way of working.



USER FRIENDLY

New intelligent features ensure user friendliness and security.



SUPERIOR AUTOMATION

Enable high-speed walk-away printing with less room for human error.



PEACE OF MIND

Unrivaled support from a single-source digital solutions supplier.

SIMPLY EXCELLENT. AUTOMATING PRODUCTIVITY.



The Straumann® P50+ designed for dental laboratories and DSOs, who want scalable, automated and flexible volume-production of dental appliances through 3D printing.

The Straumann® P50+ distinguishes itself from conventional 3D printers with innovative features like Force Feedback technology, Automatic Separation Module (ASM), automatic material refill, intelligent connectivity, and a large build area.

These intelligent new features deliver excellent automation, continuous high-speed walk-away printing, flexible validated processes and high productivity.

The result: outstanding speed that delivers increased productivity. User friendly, excellent automation, thanks to validated processes that ensure your peace of mind.

“Just what I need and expect in this digital age:
fast, easy and flexible workflows and solutions”

- Automatic Separation Module (ASM)
- Resin temperature control
- Automatic door opener
- Material identification (RFID)
- Certified auto calibration (ACCS)
- Integrated Force Feedback
- Remote Access available



UNRIValed PRODUCTIVITY

The Straumann® P50+ delivers high productivity while maintaining flexibility in customization, complexity and volume enabling enhanced manufacturing freedom.



The latest addition to the Straumann® P series, the P50+ is equipped with a large build platform and many new automation features, enabling the user to achieve a higher output of printed parts compared with any other P series 3D printer.

THE STRAUMANN® P50+ DELIVERS A NEW LEVEL OF PRODUCTIVITY WITH RELATIVELY LOW INVESTMENT:

- The printer is more precise and can produce more parts per job, to deliver unrivaled productivity compared with other P series 3D printers
- The P50+ offers excellent automation allowing for higher productivity
- Once installed jobs can be loaded to a queue where they are automatically printed, one after another, as long as the resin does not change
- Made for industry-like batch production for your dental lab



OUTSTANDING SPEED

Patented Force Feedback technology and innovative automation deliver outstanding print speed to maximize efficiency.

Innovative new features enable outstanding speed:

- Patented Force Feedback Technology: performs in-situ measurements of the pulling force of the build plate on the printed model/resin reservoir
 - This allows adjustment of the separation force of each layer to minimize layer separation allowing precise detection of what has occurred
- Automatic Separation Module (ASM) and Automatic Material Refill enable material and time savings, and walk-away printing

VALIDATED PROCESSES

We test our digital solutions with intelligent connectivity as one system to help ensure reliable quality and accuracy.

From design to print to post processing, validated workflows ensure that you have one holistic partner to depend on for support and service of your entire digital workflow process. The Straumann® P50+ enables validated workflows with Straumann® best-in-class resins

The Straumann® P50+ delivers validation you can trust thanks to:

- End-to-end workflow validations
- Validated material printing parameters for Straumann® resins, pre-programmed in the printer slicing software





PEACE OF MIND

Accessible service and support from a reliable, single-source digital solutions supplier.

The Straumann® P50+ provides a future-proof solution with scalability at a low investment. Our Straumann® service and support make the customer journey carefree.

For your peace of mind:

- Complete freedom – you're not locked into a contract and have the flexibility to tailor utilization based on your needs
- Support & Service – we provide onsite installation, training, technical support, continued education and training resources
- Straumann® offers personal support in local language with full access to our knowledge and experience

USER FRIENDLY

New intelligent features support user friendliness and security during operation.

The Straumann® P50+ offers a high level of user friendliness and flexibility. Innovative features such as ASM and automatic material refill omit many manual processes, leaving less room for human error in production.

User friendly features include:

- The integrated, UV-free build chamber light makes cleaning and operating inside the printer chamber easier
- The hands-free hood opener can be activated by foot, located at the bottom of the machine, allowing the user to open the hood hands free
- LED feedback panel
- The LED feedback panel on the front of the machine gives a visual indication of the machine status from afar





EXCELLENT AUTOMATION

Innovative automation enables high-speed walk-away printing with less room for human error.

Automation results in time and material savings increasing productivity and efficiency while enabling more controlled processes

Excellent automation features include:

- The Automatic Separation Module (ASM) mechanically cuts printed parts from the build platform after a job is completed avoiding the need to manually remove parts and the build platform from the printer
- Automatic Material Refill consists of a material handling system that automatically pumps resin from a container, and an ultra-sonic sensor which registers the fill level in the resin reservoir
- Intelligent connectivity is a software function that allows the Straumann® P50+ to exchange job information with the Straumann® P wash and P cure



THE NEXT GENERATION. SHAPING THE FUTURE OF DENTAL PROSTHETICS.

The Straumann Group has just introduced Straumann® PRO Resins Model X. The PRO stands for Professional and Productivity. Our professional next generation resin for high productivity 3D printing sets new standards in quality.

A new chemical formulation delivers improved sedimentation and separation behavior, enhanced matte texture and smoother surface finish as compared to P pro Master Model Dark Beige and Grey. The result: high resin stability, enhanced texture and ultra-smooth surfaces.

Straumann® PRO Resins Model X is optimized to provide full compatibility with the Straumann® P series of 3D printers. A winning combination tailored to provide a simplified digital workflow experience.

Welcome to a new way of working.



HIGHER RESIN STABILITY

Designed to require less mixing and shaking, the new resin was formulated to reduce separation and sedimentation.

IMPROVED ACCURACY

The improved chemical formulation makes for better accuracy and precision, which makes the fitting of stumps, implant analogs and other printed devices reliable. This can lead to less trial-and-error and less adjustments post printing.

ENHANCED MATTE TEXTURE

The matte surface has been upgraded from previous resins.

ULTRA-SMOOTH SURFACES

Post printing and processing, Straumann(R) PRO Resins Model X is designed to produce shallower print lines on deep-drawn aligners and splints. The ultra-smooth surfaces promote easier fitting of stumps and analogs.

VALIDATED PROCESS

Straumann® PRO Resins Model X has been optimized and validated by Straumann® in a full production workflow from scan to design and print as one system. Straumann® guarantees the effectiveness, quality and accuracy of the printed device.

SIMPLIFIED WORKFLOW

Working with Model X simplifies many steps in the workflow, handling and processing of your 3D printer and printed parts to help your business' efficiency. The primary packaging/bottle is equipped with an RFID tag which can be scanned and interpreted by a Straumann® P series 3D printer.



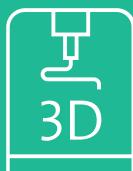
Contact your local Straumann representative now or visit straumann.us or straumann.ca.

THE FULL DIGITAL WORKFLOW FROM ONE SINGLE-SOURCE PROVIDER.

INTRAORAL SCANNERS



3D PRINTERS



RESINS



SOFTWARE

Legal manufacturer

Rapid Shape GmbH
Römerstrasse 21
D-71296 Heimsheim, Germany
Phone +41 (0)7033 309878-0
E-Mail info@rapidshape.de
www.rapidshape.de



Straumann North American Headquarters

Straumann USA, LLC
60 Minuteman Road
Andover, MA 01810
Phone 800/448 8168 (US) · 800/363 4024 (CA)
Fax 978/747 2490
www.straumann.us · www.straumann.ca

ifu.straumann.com
ifu.dentalwings.com