

Dental System™

Industry-leading scanning and CAD solutions



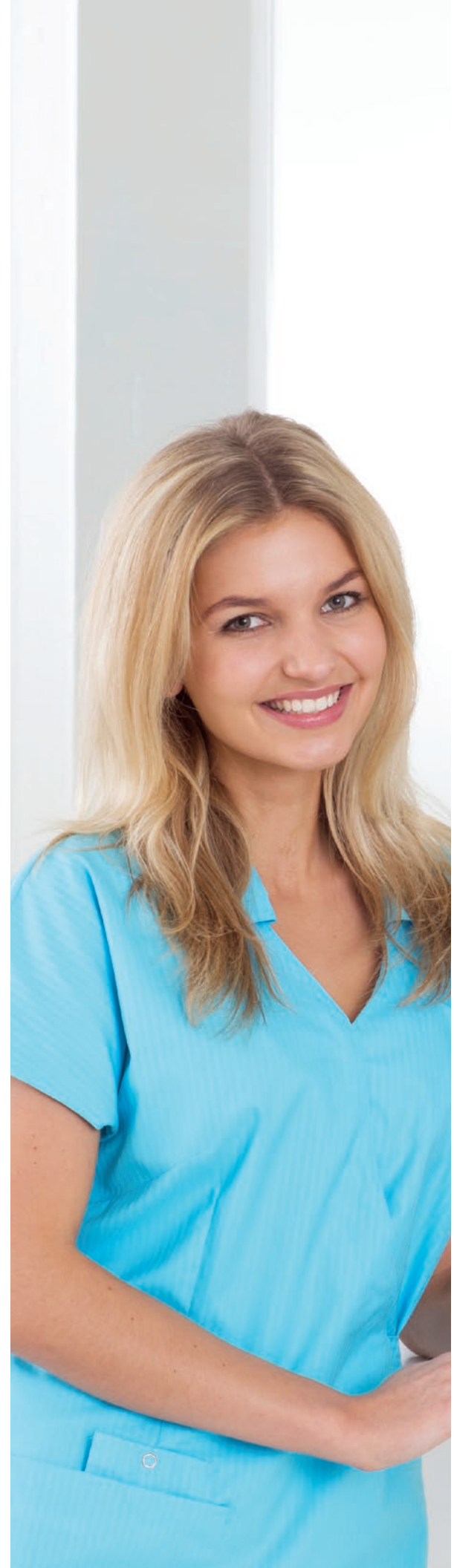


Table of Contents

- Why go digital? 4
- 5 reasons 6
- Dental System™ user interface..... 7
- Looking inside Dental System™ 8
- Widest range of indications..... 10
- Solutions for any lab 11
- The Order Manager 12

- 3Shape 3D dental scanners..... 14
- Adaptive Impression Scanning..... 18
- 3Shape TRIOS® 19
- TRIOS® integration 20
- 3Shape Communicate™ 22
- Model Builder™ 23

- Copings and Bridge Frameworks..... 24
- Full Anatomy Design 26
- RealView™ 28
- Dynamic Virtual Articulation 29
- Multi-Layer 30

- Inlays, Onlays and Veneers 31
- Digital Temporaries and Wax-ups..... 32
- Post & Core..... 34
- Telescopic Crowns 35

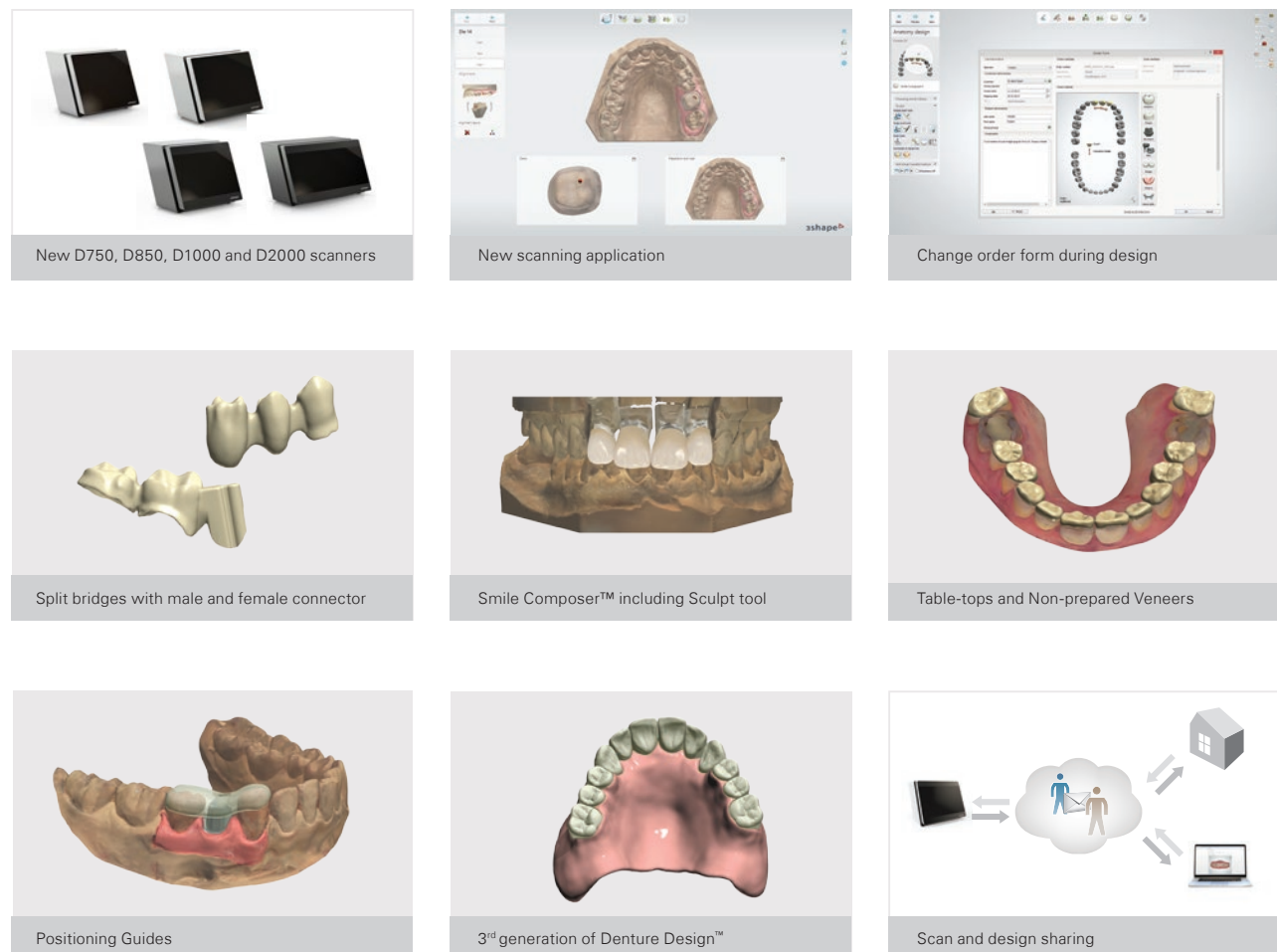
- Abutment Designer™ 36
- Implant Bars and Bridges 38
- Implant Studio™ 40
- Removable Partial Design 41
- Denture Design™ 42

- Splint Designer™ 44
- 3Shape Orthodontics™ 45
- CAMbridge® 46
- Dental CAD/CAM ecosystem..... 47

Powering you past the competition

To drive your business and cost efficiency, you need a CAD/CAM solution that is fast, accurate, easy to use and future secure. 3Shape Dental System™ gives you the widest range of indications and libraries. Integrated, clear and intuitive workflows. Fast desktop scanners with ISO-documented accuracy. Unlimited CAD software upgrades. An ecosystem that freely lets you combine what you use today with what you may need tomorrow. A simple CAD/CAM solution that simply powers you past the competition.

Highlights in Dental System™ 2015



Why go digital?

“ Digitization of dentistry is happening now and the change is dramatic. Labs must go digital or they will risk losing customers. ”

Jim Boshoven,
CDT Director, Automated Technology
Dental Services Group



Increase productivity

- Make more units per day
- Get fast digital workflows
- Reduce labor-intense processes



Increase profits and stay competitive

- Compete with low-cost labs and chairside milling
- Increase profit per unit
- Expand your offerings and services



Provide more indications and materials

- Widen the offering for your customers
- Produce in the material the dentist wants
- Open your options – internal or external manufacturing



Create high quality prosthetics

- Get proven digital accuracy
- Ensure consistent design and manufacturing results
- Advanced dental work becomes easier

5 reasons to choose 3Shape Dental System™

“*Digitization is impacting all corners of modern dentistry, and more than anywhere in labs. Our mission is to help labs meet the future with solutions that allow them to compete and prosper.*”

Tais Clausen,
CTO and Co-founder, 3Shape



More indications and better tools

- The widest range of indications including special types
- Unmatched tools and design options
- Intuitive interface and guided workflows
- Complete Order Manager and intuitive 3D order form



Integrated scanners and documented accuracy

- Complete scanner and software integration
- TRIOS® integrated digital impression solution
- Documented lab scanner accuracy (ISO 12836)
- Passes quality control system (ISO 13485 certified)



Future proof solutions

- 3Shape innovation driven by 200+ on-staff developers
- 80 pending patents
- Get unlimited software upgrades with LABcare™
- Long-term sustainability of hardware and software



Global customer care

- 80 Support and Training specialists in 13 countries
- Webinars and LABcare™ training packages
- 5 scanner service centers worldwide



Stronger ecosystem

- 50 Implant libraries
- Extensive material and milling center libraries
- Broad integration with 3rd party mills, printers and IOS
- TRIOS® and 3rd party digital impression support

The most intuitive workflow ever

The new Dental System™ is boosted with optimized workflows, a redesigned user-interface and enhanced user-friendliness to provide an extremely intuitive operation for both new and experienced users.

Order Overview

Always shows the active tooth that is being designed.

Workflow bar

Intuitively guides you through the major design stages.

NEW Make order changes any time

Change material or indication during design without losing your work.



Design tools and sub-steps

Get powerful tools and guidance as you design the specific indication.

“Next” and “Back” Button

Easy workflow guidance and navigation between design steps.

NEW Optimized visualization controls

Fade 3D elements in/out and activate additional tools for ideal viewing.

The digital lab and its digital patients

Dental System™ brings together accurate 3D scanning, intuitive CAD modeling, efficient order management and reliable communication tools to provide streamlined workflows that increase productivity. Now you can improve treatment by working with the complete digital patient, combining all types of patient images such as color surface scans, CBCT, 3D face scans, 2D patient photos, intraoral camera images/video and more.

“ The ultimate goal in digital dentistry, is to create the 3D virtual patient. This is now being realized, as we combine powerful design software with CBCT, patient images, intraoral and model scanning to ensure comprehensive diagnosis, treatment planning and predictable outcomes for our patients. ”

Lee Culp,
Sculpture Studios, USA

Receive all types of patient data. Choose the optimal scanner model for your lab. Systemize case and production information.

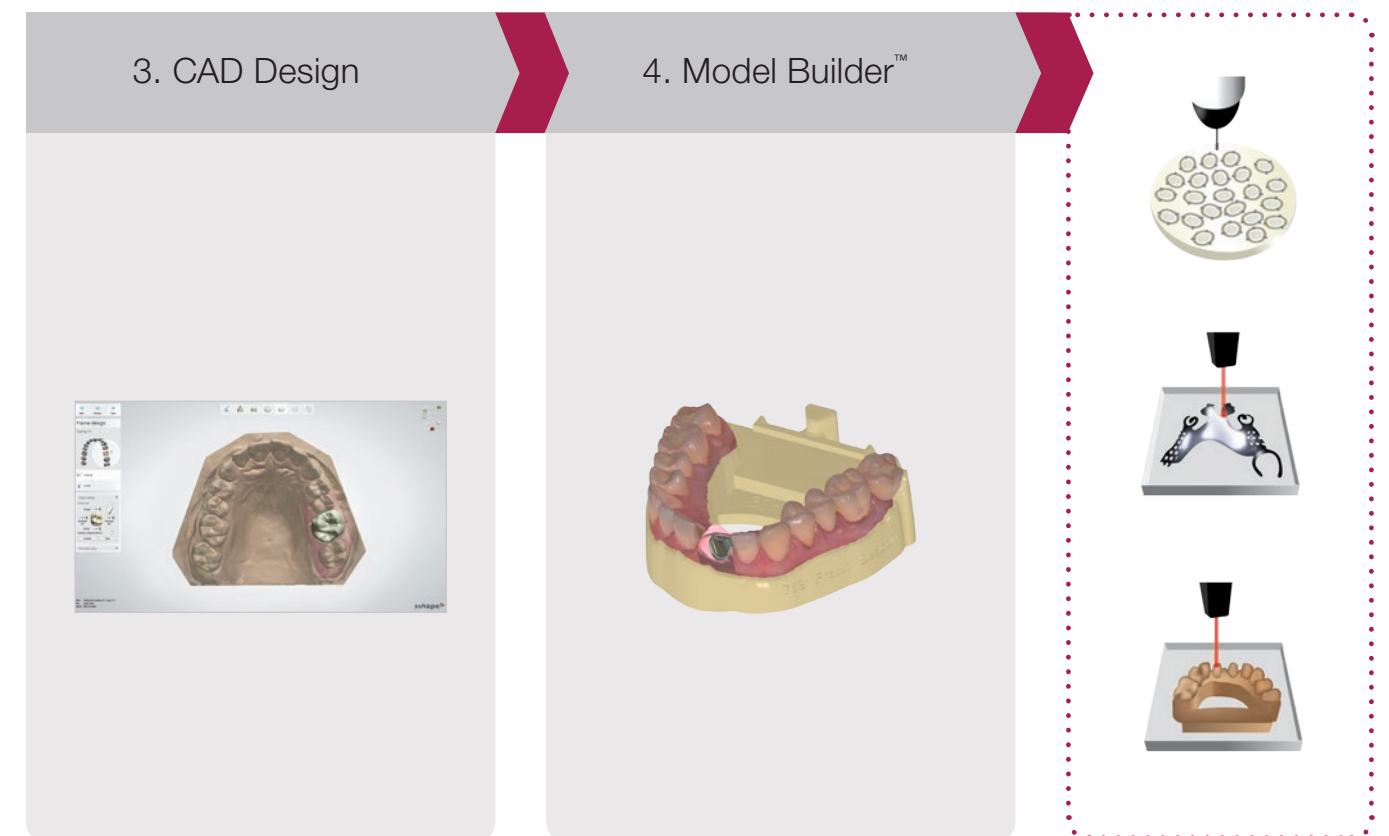


Share 3D designs and discuss cases online with dentists.

Apply productive and intuitive design workflows and tools.

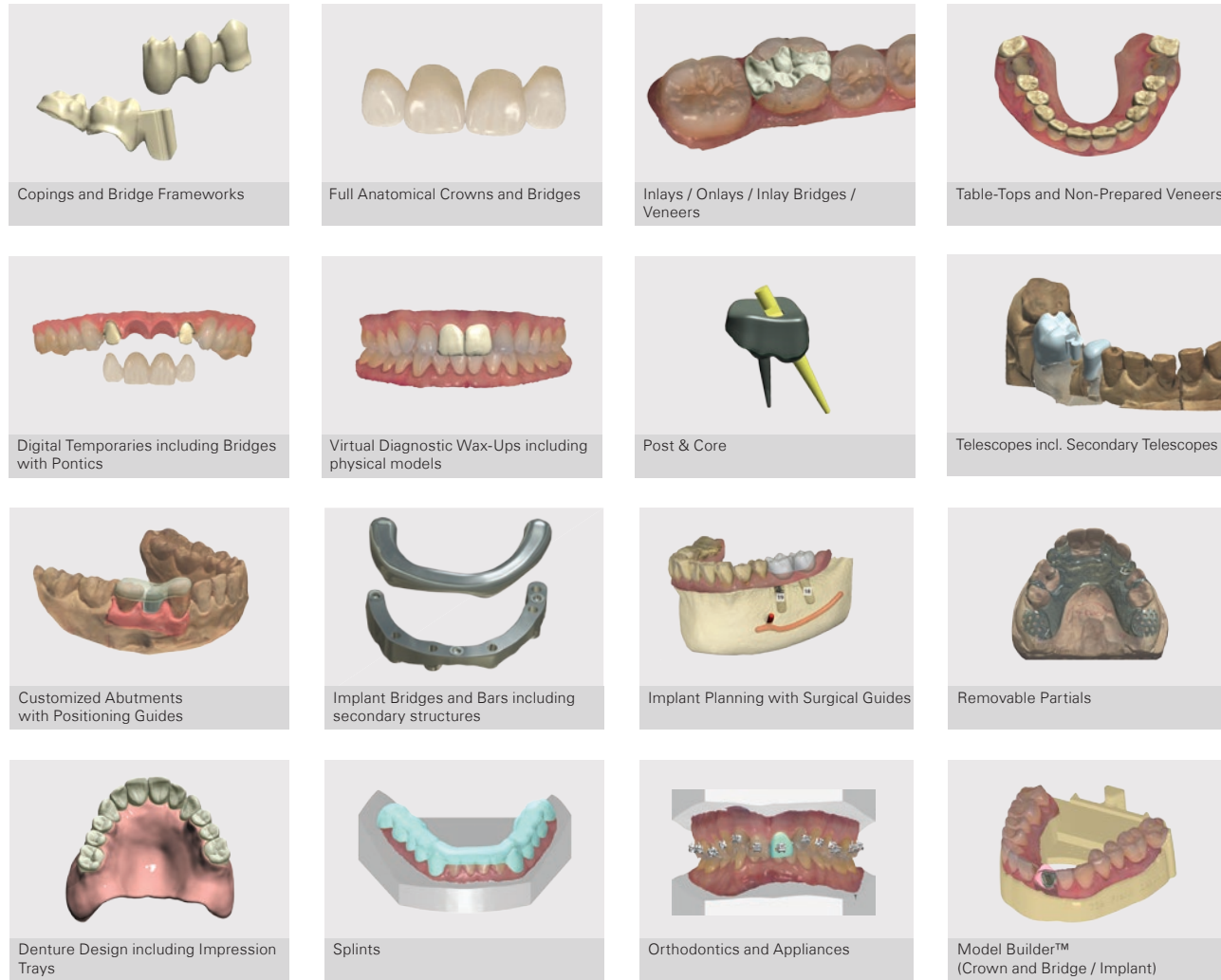
Design lab models for local 3D printing.

Interface with all manufacturing equipment and materials.



The market's widest range of indications

Dental System™ is known as the market's most complete CAD/CAM system, making it a sound investment that enables labs to continuously expand their service portfolio, grow their business and stay ahead in a competitive market.



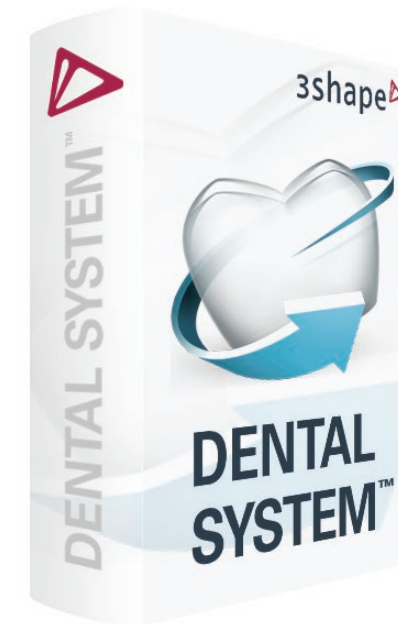
3Shape solutions for any lab

3Shape's solutions are modular, upgradable, and come in various packages to ensure easy matching to your needs - whether you are seeking a secure entry into digital dentistry, or expanding your business with more indications.

Flexible modular, upgradable software packages
3 software packages, upgrade options, supported libraries, and Add-On expansions.



LABcare™ with every Dental System™ subscription
Ensuring a future secure CAD/CAM system investment.



Extend your range of indications with Add-ons
Advanced indications and workflows such as Model Builder™, Denture Design™, and Abutment Designer™.

Pay-per-design with CAD points
Offer more indications with minimum up-front investment.

Dental System™ Full Contour	Dental System™ Standard	Dental System™ Premium
A light version of Dental System™ containing indications and tools for labs which primarily focus on fully digital crowns.	A cost-efficient solution with the basic indications needed in professional labs of any size or budget seeking an easy entry into CAD/CAM.	The complete CAD/CAM dental lab solution package containing the widest range of indications, advanced design tools, and service options.
<ul style="list-style-type: none"> • Full crowns, bridges, and more • Advanced Sculpt toolbox and virtual articulation • Upgradable to Dental System™ Standard • Includes Communicate™, TRIOS Inbox™ and more. 	<ul style="list-style-type: none"> • All the basic indications • Advanced Sculpt toolbox and virtual articulation • Upgradable to Dental System™ Premium • Includes Communicate™, TRIOS Inbox™ and more. 	<ul style="list-style-type: none"> • Full range of indications • Complete range of advanced tools and attachments • Also Real View™ Engine with 2D image overlay • Includes Communicate™, TRIOS Inbox™ and more.

The 3Shape Order Manager maximizes productivity and case control

Dental System's™ Order Manager combines all your digital patient's case information and efficiently organizes all lab orders for guided workflows and easy management. Here you create orders, scan models and impressions, communicate with dentists, receive digital impressions, import 3rd party STL, and send designs for manufacturing. Lab technicians can share cases and work in parallel, maximizing productivity and resources.

Access extensive range of materials and milling center libraries.

Visualize the indication in the 3D Order Form.



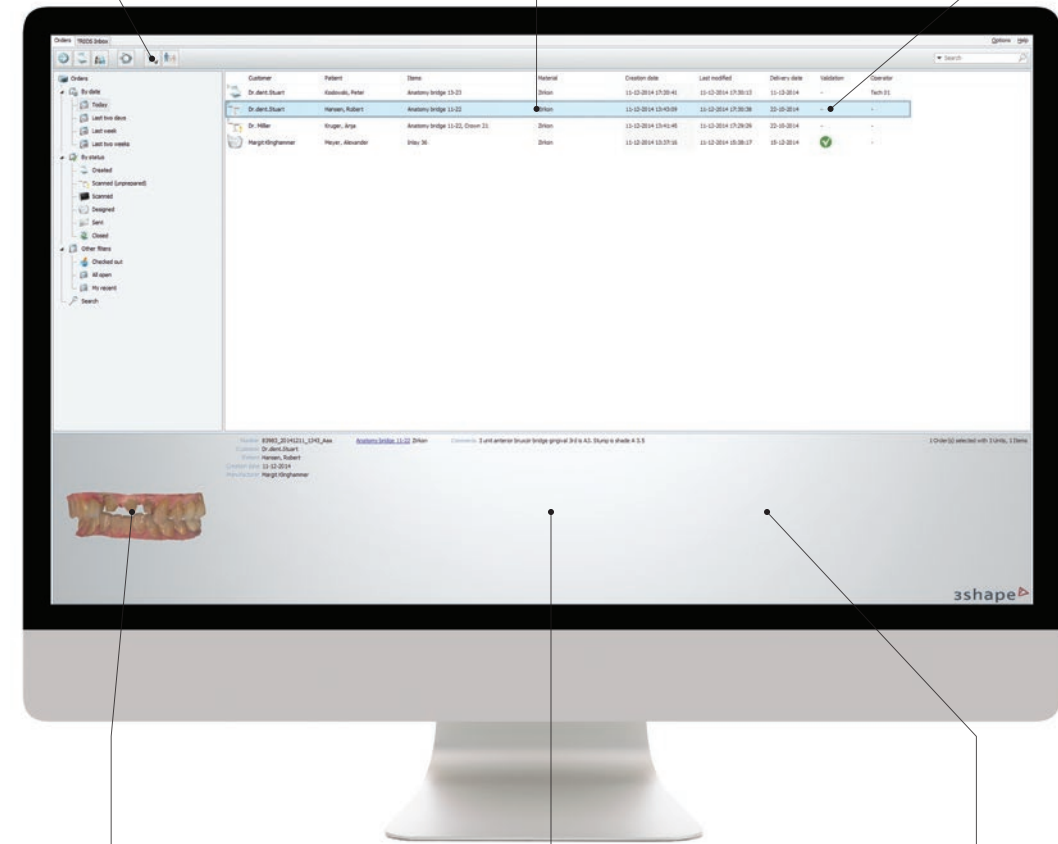
Support for all Dental System's™ core and advanced indications.

Apply transparency to see each indication layer separately.

NEW Expanded training center with new instruction videos and step-by-step guides.

NEW Widen your options with improved import of 3rd party intraoral scans.

Intuitive workflow guidance for excellent user experience.



NEW Enhanced order overview includes 3D visualization and order status.

More options with extended integration with manufacturing machines and CAM software.

Share cases on multiple workstations for ultimate productivity.

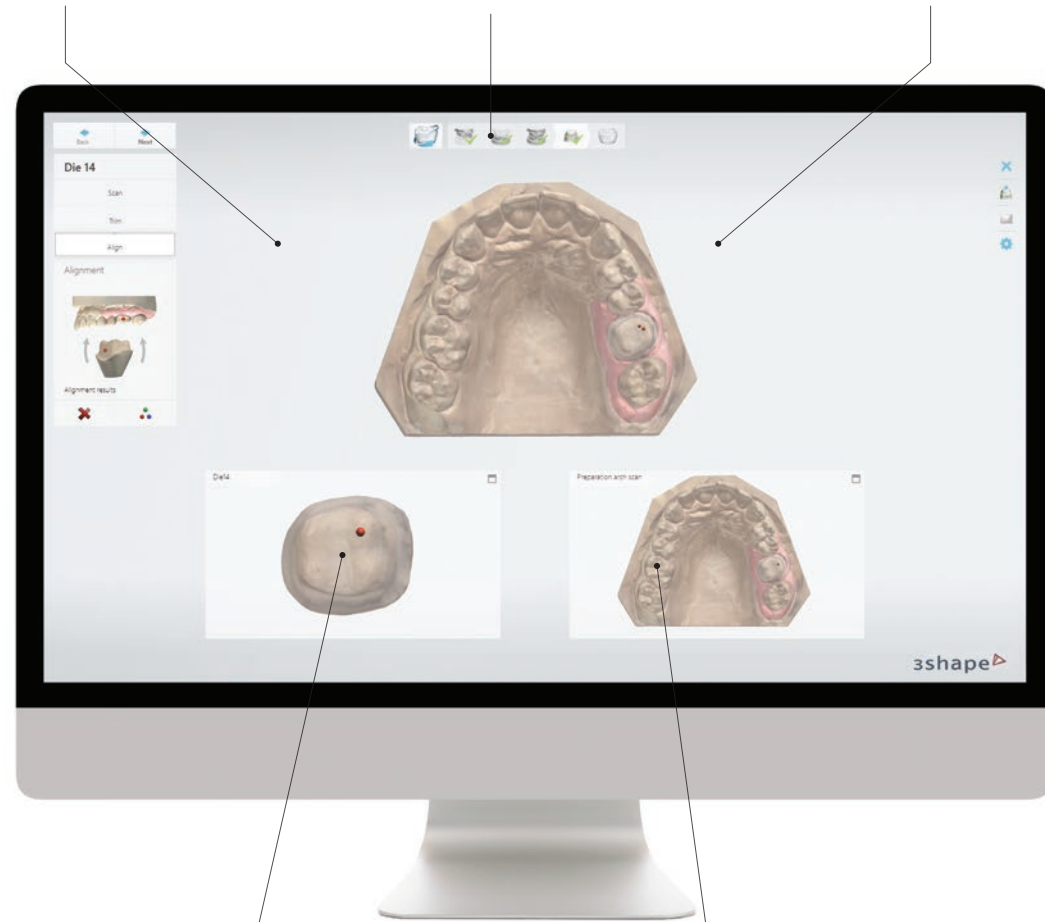
Building more power into 3Shape's proven scanners

We are introducing two new high-end scanners with groundbreaking technologies providing revolutionary performance and productivity. Our popular workhorse models have been upgraded to the new technology platform with added interior space and blue LED for reduced scan noise. And we naturally continue to offer our advanced entry level scanner for smaller labs. 3Shape's service centers worldwide are committed to servicing your scanner many years forward.

NEW New software boosts scanner speed and detail level
New application and algorithms enhance performance on new and existing 3Shape scanners.

NEW Scan in any order
Freely determine the sequence in which you scan models, dies and bites according to your preference.

NEW Save time with background post-processing
Start the next scan directly without waiting for post-processing.



NEW Easy scan alignment
3 separate viewing windows help you align scans perfectly.

NEW Improved detail level
Optimized surface generation delivers more scan details.

NEW Increase your productivity by up to 40%

The new D2000 and D1000 multi-line scanners enable you to multiply your lab's productivity with new scanner technology that captures multiple scan lines in a single shot. Both scanners are equipped with 4 x 5.0 MP cameras to ensure the utmost accuracy. All-in-One scanning on the D2000 enables users to capture models, all inserted dies, and occlusion information with a single scan.

NEW All-in-One saves time and handling
Complete case in one scan - no need to scan models, dies, and bite separately.

NEW 30% faster scanning speed
Optimized multi-line technology and processing for fast case throughput.

RealColor™ Technology
Captures all textures and colors on the model for lifelike design experience.



NEW Documented 5 micron accuracy (ISO 12836)
4 x 5.0 MP cameras, high quality mechanics and calibration algorithms.

Quality Control and Service
ISO 13485 certified manufacturing. Service centers in all major regions.

3Shape lab scanners for every need



D500

Entry scanner to CAD/CAM

- 2 x 1.3 MP cameras, Red Laser
- Accuracy: 10 µm (ISO)
- Die scan time: 40 sec
- Full arch scan time: 115 sec



NEW D750

Workhorse of productivity

- 2 x 1.3 MP cameras, Blue LED
- Accuracy: 10 µm (ISO) / 12 µm (Implant bar)
- Die scan time: 25 sec
- Full arch scan time: 55 sec
- Extended interior and multi-die feeder



NEW D850

Implant bar accuracy

- 2 x 5 MP cameras, Blue LED
- Accuracy: 7 µm (ISO) / 8 µm (Implant bar)
- Die scan time: 25 sec
- Full arch scan time: 55 sec
- Extended interior and multi-die feeder
- Texture scanning



NEW Save 4 out of 5 steps with your 3-unit bridge

Save 40% of your handling time with all-in-one scanning. No need to take out the dies as the scanner "sees" around all dies in the model. Room for 2 models lets you scan upper and lower together (D2000). Skip the bite with Auto-Occlusion Technology.



D900L

High speed and colors

- 4 x 5 MP cameras, Blue LED
- Accuracy: 7 µm (ISO) / 8 µm (Implant bar)
- Die scan time: 15 sec
- Full arch scan time: 35 sec
- Color texture scanning
- Extended interior and multi-die feeder



NEW D1000

Ultra-high productivity

- 4 x 5 MP cameras, Blue LED Multi-line
- Accuracy: 5 µm (ISO) / 8 µm (Implant bar)
- Die scan time: 15 sec
- Full arch scan time: 25 sec
- Color texture scanning
- No need for separate die scan



NEW D2000

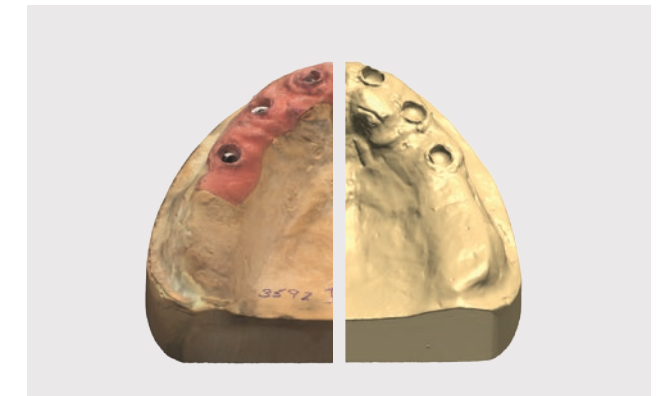
All-in-one scanning for max volume throughput

- 4 x 5 MP cameras, Blue LED Multi-line
- Accuracy: 5 µm (ISO) / 8 µm (Implant bar)
- Die scan time: 15 sec
- Full arch scan time: 25 sec
- Color texture scanning
- No need for separate die scan
- All-in-one scanning: room for 2 models



Know your investment - tested against ISO 12836 standard

Users should understand accuracy measurement methods behind the manufacturer's claims. 3Shape measures and documents accuracy for all scanners using ISO 12836 standards and dedicated implant bar validation objects.

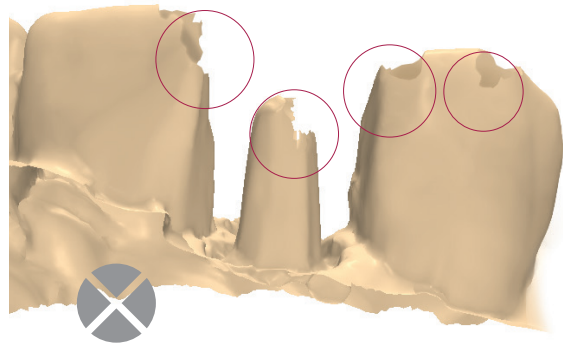


RealColor™ technology enhances details

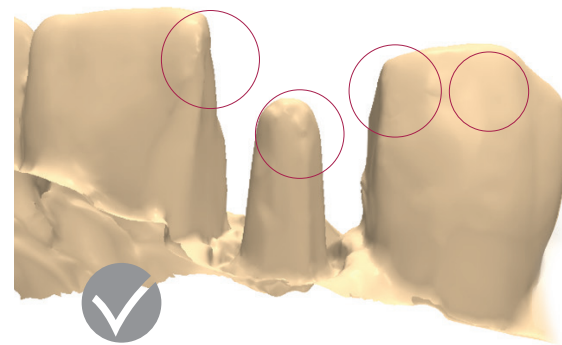
Texture scanning captures high-detail images of the model's surface and precisely overlays these on the 3D model. Color capture enables technicians to include their hand-drawn markings in the design process.

Impression scanners are a secure investment

Looking ahead, impression scanning is expected to become the standard for 3D scanning in the lab, leaving “gypsum only” scanners obsolete. All 3Shape dental scanners include Adaptive Impression Scanning, ensuring labs impression capture that truly works and a safe investment for the future.



Impression scans without Adaptive technology
A conventional scan of an impression will often be incomplete in the preparation, proximal and contact areas: jeopardizing correct design and clinical results.



Impression scans using Adaptive technology
Adaptive Impression scanning detects incomplete areas and automatically applies an optimal combination of 2 cameras and 3-axis motion.



D1000 and D2000 for improved impression scanning
New multi-line technology significantly improves cavity and impression capture.



Save production costs with model-free crowns
Advanced technologies such as impression scanning and virtual articulation enable labs to realize complete model-free workflows.

A mobile solution for scanning models, impressions and patients

Many dental labs today are expanding their business and service options by applying the 3Shape TRIOS® digital impression solution as a portable and versatile scanning system.

Convenient hand-held lab scanner
Quickly scan gypsum models and triple tray impressions.

Award-winning intraoral scanner
Take RealColor™ digital impression, shade measurement and intraoral photos.



Offer new services for dentists
Provide mobile digital impression taking services for dental practices.

Get closer to patients
The perfect scanner for labs that maintain close contact with patients.

Open your doors to TRIOS® scans and grow

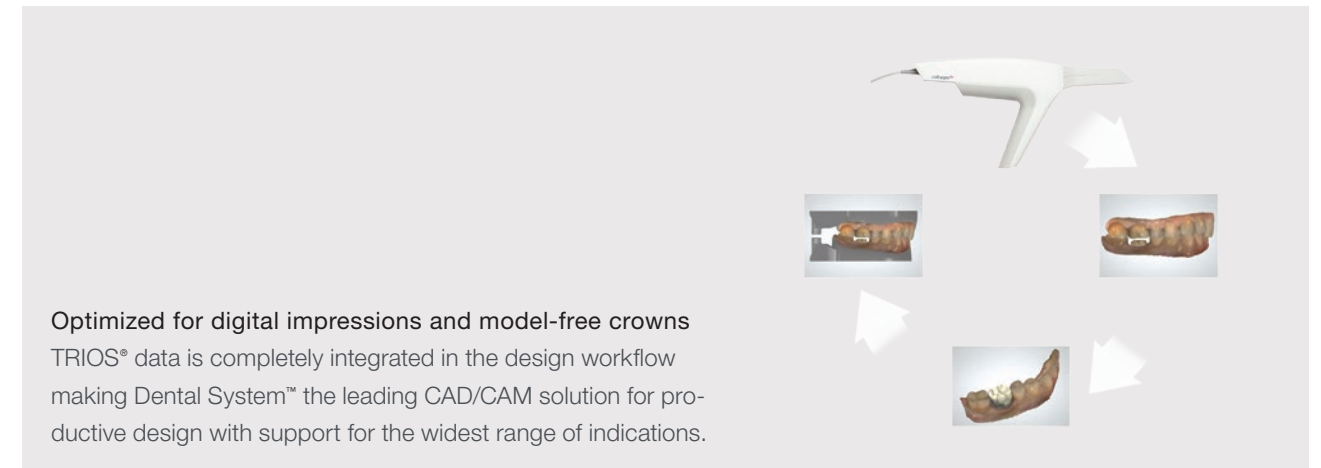
Thousands of dentists are taking impressions digitally with TRIOS®, and they seek labs that can ensure they get the full range of benefits from this new technology. Dental System™ makes it easy for the lab to receive digital impressions, communicate with the dentist, design in validated workflows and stand strong for the future.



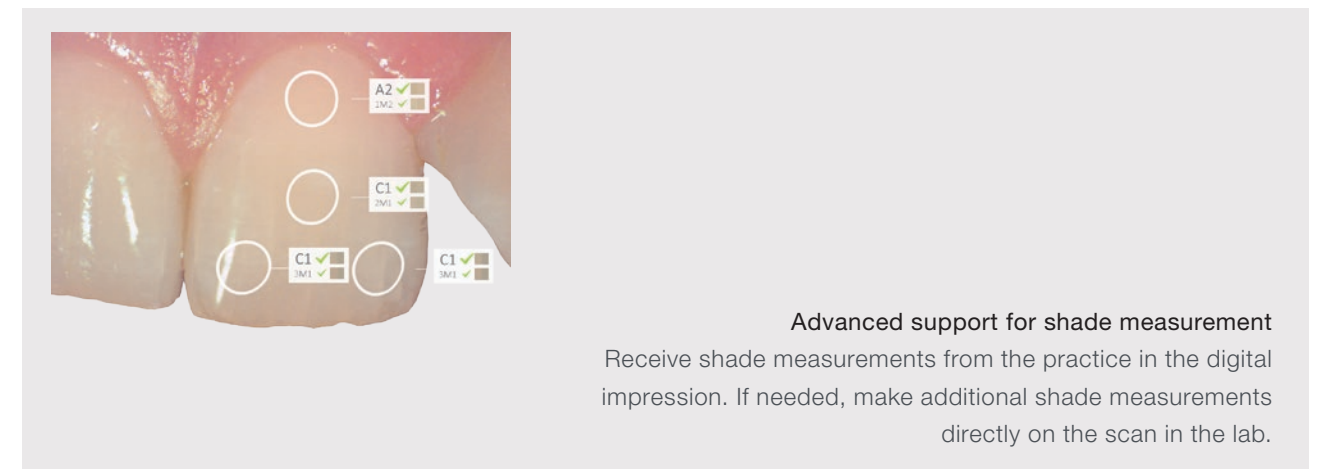
“ Every third dentist is considering to buy a digital impression solution within the next 12 months. ”

3Shape market survey 2014

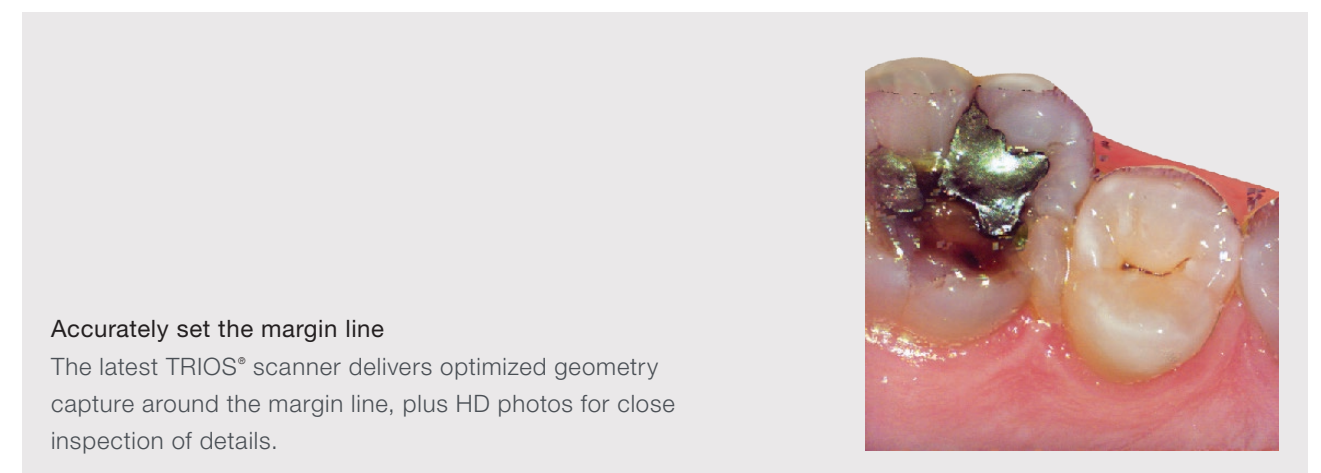
Get your lab ready for TRIOS®
See www.3shapedental.com/triosready for more information.



Optimized for digital impressions and model-free crowns
TRIOS® data is completely integrated in the design workflow making Dental System™ the leading CAD/CAM solution for productive design with support for the widest range of indications.



Advanced support for shade measurement
Receive shade measurements from the practice in the digital impression. If needed, make additional shade measurements directly on the scan in the lab.



Accurately set the margin line
The latest TRIOS® scanner delivers optimized geometry capture around the margin line, plus HD photos for close inspection of details.

Case communication with anyone, anywhere

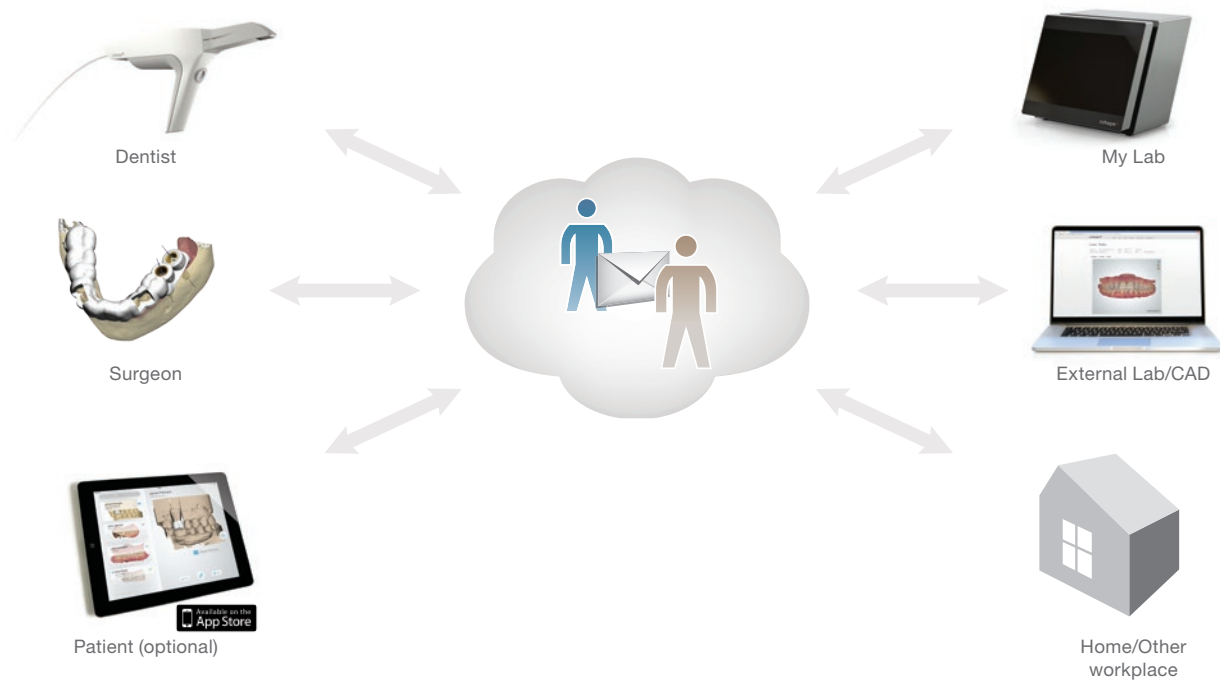
3Shape Communicate™ opens a new world of collaboration between dentists, surgeons, and lab technicians. Easy and flexible sharing of scans and designs enhances efficiency, relationships, and final treatment results.

TRIOS Inbox™ included with Dental System™

TRIOS Inbox™ enables labs to receive digital impressions from any dentist that is using TRIOS®.

NEW Share scans and designs

Technicians can easily upload and download cases to access designs from remote locations, or share them with colleagues or design services.



Communicate™ from anywhere

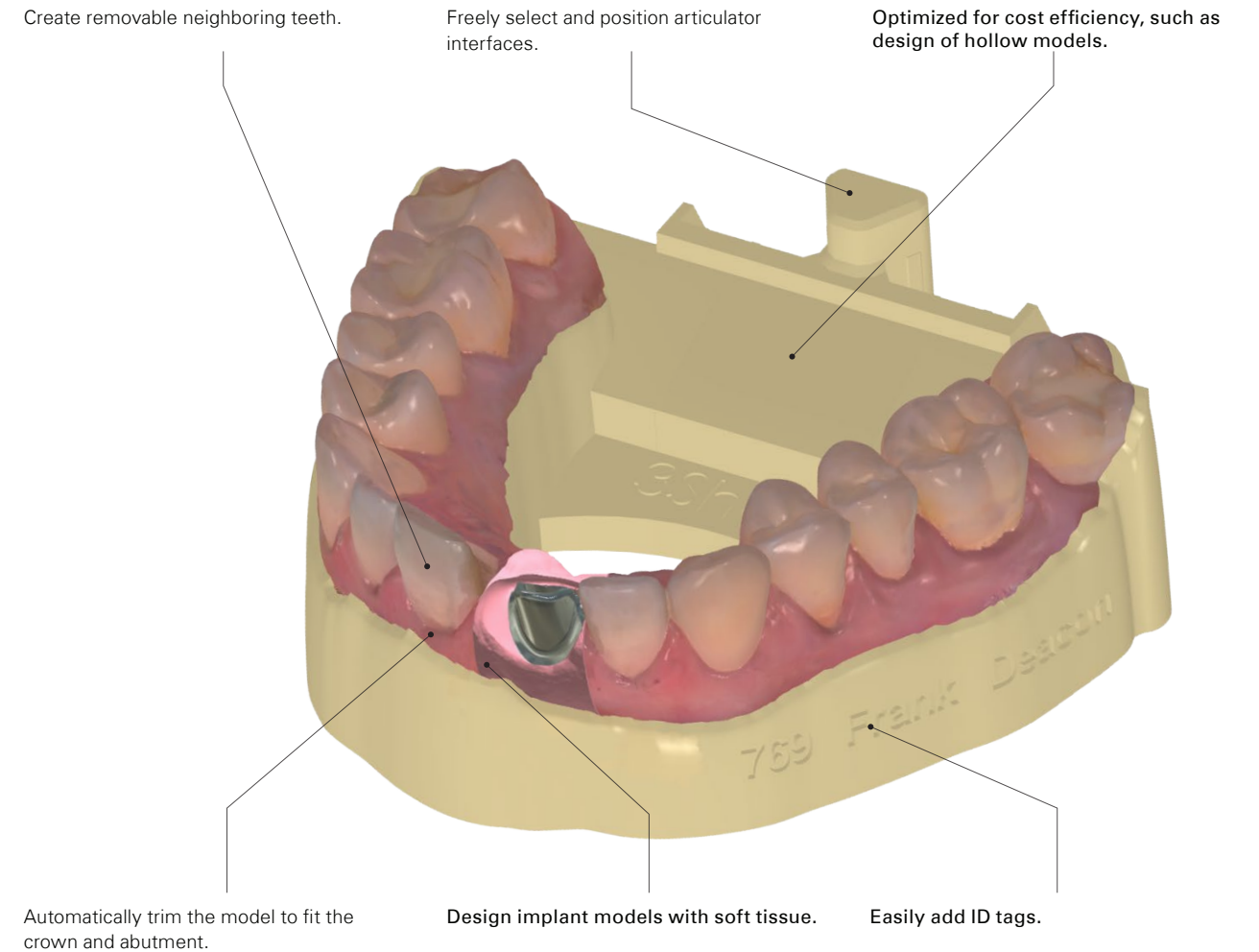
Securely access the Communicate™ cloud directly from Dental System™, TRIOS®, your smart phone, tablet, or a web browser.

Get immediate design approval

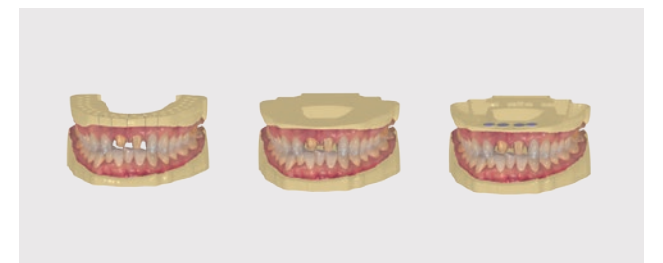
Upon completing designs, the system automatically transmits the 3D design and screenshots to the dentist for final case approval.

Model building in labs all over the world

Thousands of lab models are produced every week using 3Shape Model builder™. Technicians can design models for many indications, including implant models, directly from digital impressions and physical impression scans. Easily produce your models locally - either in-house or through your favorite manufacturing center.



NEW Import scans from TRIOS® and 3rd parties.



Freely select Sectioned (dies ditched) models, Sectioned (Cut) models, and Unsectioned models.

New levels of productivity with copings and frameworks

Dental System™ introduces new and powerful automatic design workflows including automatic anatomy and connector design. New scanning technologies add astonishing speeds while allowing technicians to capture upper and lower jaw models in a single scan. The combination of these ensures utmost productivity, prosperity, and the ability to compete.

NEW Flexible cut back tool

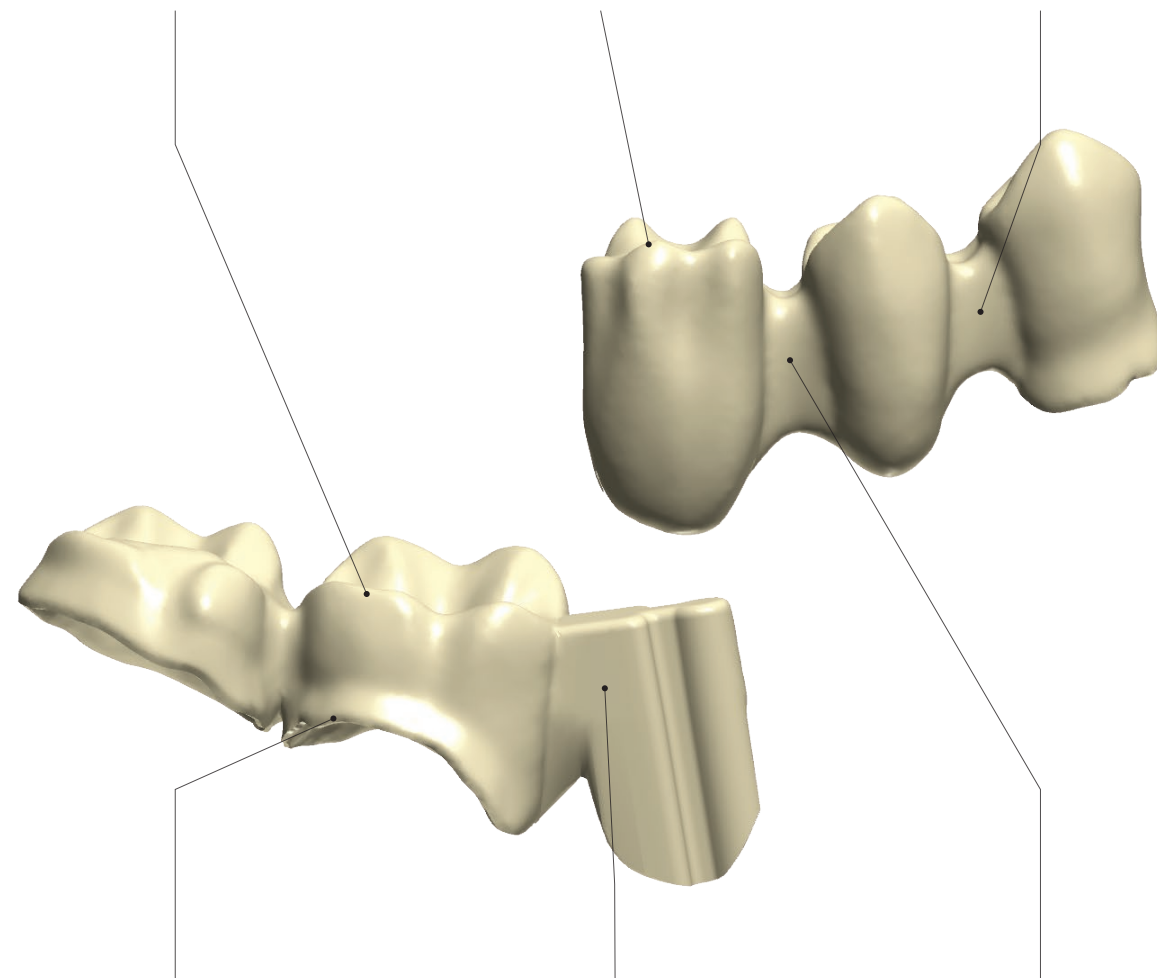
Easily paint areas on the crown to define the cut back area.

Advanced Sculpt toolkit for design freedom

Virtual wax knife, free-form morphing, cut-to-neighbors, and more.

COMING Auto-Connector

Increase productivity with one-click connector design.



Dentist dependent CAD settings

Ensure consistent quality by defining specific design parameters for each dentist.

Split bridges into two pieces

Create bridges with different insertion directions to realize challenging cases.

Advanced connector design

Save time with the option to position the entire connector by grabbing it with your mouse.



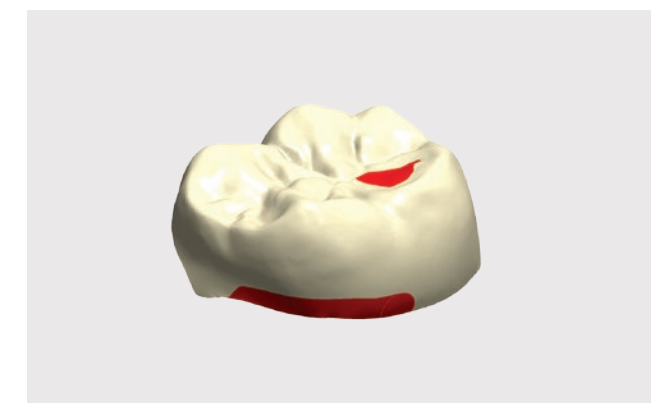
3Shape optimizes your complete workflow

We are not only introducing ground-breaking high speed scanners, but also optimized order and design workflows for ultimate productivity.



COMING More power to your attachments

Now you can lock attachment orientations across multiple designed items. Protect key surfaces against manual sculpting. We have added even more attachment libraries.



Lingual bands made easy

Apply the new paint tool to create lingual bands and occlusal stops for optimal clinical results.

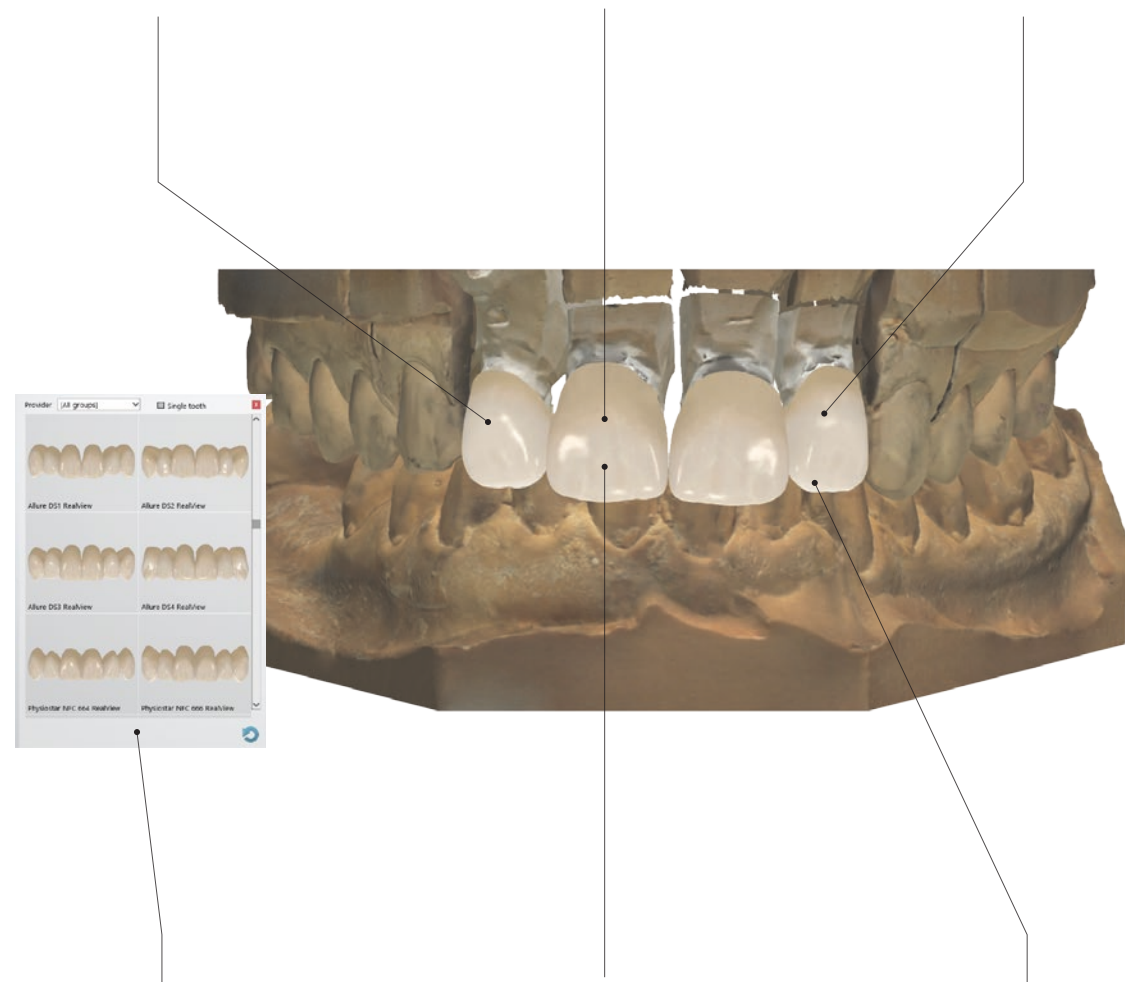
Optimal Full Digital Crowns in a few clicks

Full digital crown production has grown explosively, driven by the success of full Zirconia, CAD Blocks, and an increasing demand for cost-efficient restorations. With 3Shape's new generation of Smile Composer™, Auto Crown, and an extensive range of anatomy libraries, designing highly esthetic and functional full anatomical crowns and bridges has never been easier.

NEW New powerful Smile Composer™
We have merged Smile Composer™ with the Sculpt tool enabling dental technicians to combine tools and libraries in any order.

Move groups of teeth in one go
Retain contact points and relative positions when you need to move multiple teeth.

Apply powerful Sculpt tool
Freely form the crown using the virtual wax knife, free-form morphing, cut-to-neighbors, and more.



NEW Select the perfect smile
Easily select smiles from more than 50 Smile Libraries.

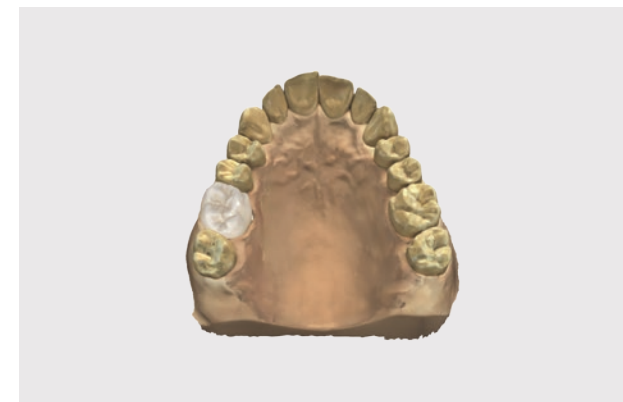
NEW Optimized Sculpt tool ensures faster design
Faster algorithms for sculpting, selections and calculations.

Mirror CAD designs or morph to Wax-up
Easily model the anatomical design of a corresponding tooth with perfect symmetry and esthetics.

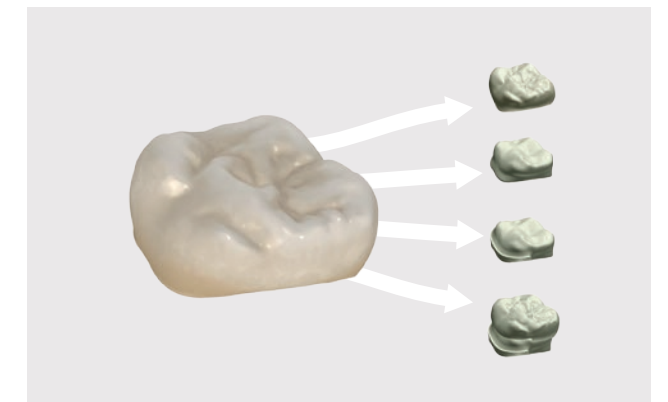


NEW Exclusive Signature Libraries from renowned technicians

Apply highly professional anatomy libraries created by recognized masters of esthetic and functional morphology design.



Use Auto-Crown to design full anatomical crowns and bridges in a single click
Full anatomical crowns are automatically positioned and shaped to precisely fit the clinical situation.



Base your restorations on the full anatomy design
Use the shape of the final crown to create optimal anatomically correct copings, cutback crowns and lingual band plus multi-layer crowns.

Let dentists and patients see what they get

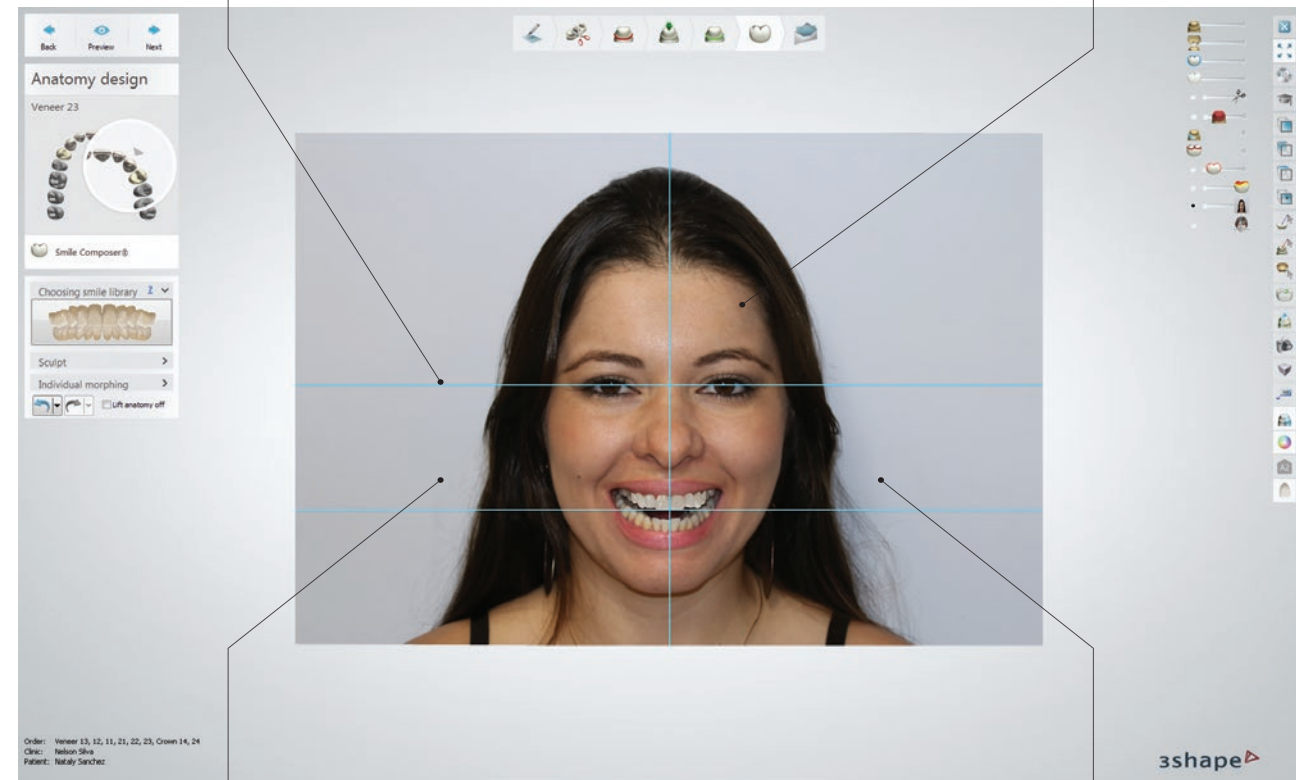
3Shape's RealView™ allows technicians to create near photo-realistic visualizations of patient cases by bringing together the patient's face and teeth designed in 3D. Not only does this give labs a powerful communication tool, but also enables technicians to design anterior crowns with optimal esthetics.

Design guidelines for optimal esthetics

Easily add vertical and horizontal design guidelines.

The patient's face with your 3D design

Overlay any 2D image of the patient's face on the 3D CAD design.



Nelson RFA Silva & Reference Center, BH, Brazil

Easily align 2D images with 3D

Automatically match the 3D image's position, angle and zoom to those of the camera used.

Create near-natural colors

Pick colors from existing teeth and drop them onto the 3D design.



Before



Preparations



TRIOS® Color scan



After

Superior function and fit with true articulator motions

Virtual articulators allow technicians to design better crowns and save time on manual post-processing. They enable labs to create model free crowns and stay competitive with new services. Dental System's™ proven Dynamic Virtual Articulators now include powerful tools for raising the bite and new functionality for customized incisal tables.

Automatically adapt occlusion

Save time by performing motions and adjusting occlusion with a single click.

Virtually raise the bite

Precisely raise the bite for cases requiring bite and jaw adjustments.

NEW Adjustable incisal table

Effectively guides the technician when designing large anterior cases.



Exact replica of your physical articulator

Enables easy adjustment of articulator settings.

Transfer exact position to virtual articulator

Special 3Shape Transfer Plates enable you to bring the exact position from the physical articulator into the virtual articulator.

Work with your preferred articulator



ACR
(Artex™ compatible)



Denar® Mark 330



Stratos 300
Ivoclar Vivadent



KaVo PROTAR® evo



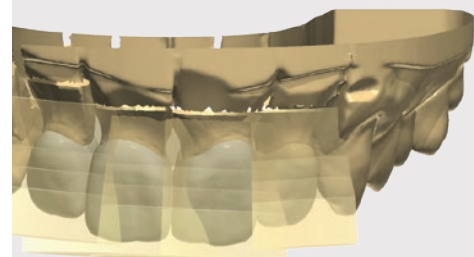
SAM 2P

Apply digital pressing and multi-layer materials

Multi-colored materials are a growing trend enabling higher esthetics and reduced manual labor. Dental System's™ digital tools make it easy for technicians to exploit all the advantages of today's new materials and workflows.

COMING Easily create pressing and casting trees

Now you can digitally create wax trees and further improve your productivity and control. Easily combine restorations into a single cast tree for casting or pressing.

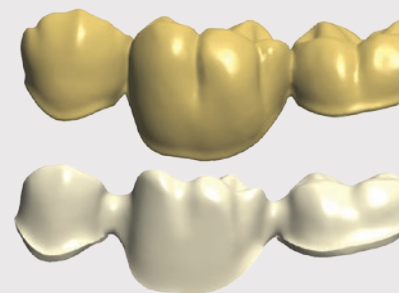


NEW Improved support for Multilayer Blanks and CAD Blocks

Achieve improved esthetics on monolithic crowns using materials in multi-color layers. Easily place all the crowns simultaneously for optimal alignment of the color layers, and transfer the position to 3rd party CAM software.

NEW Multilayer CAD-On design for pressed and glass ceramics

Highly productive design of bridges for pressing, or combinations of milled glass-ceramics and Zirconia. Automatically split full anatomy designs into two true and entire parts, completely without undercuts or lost areas.

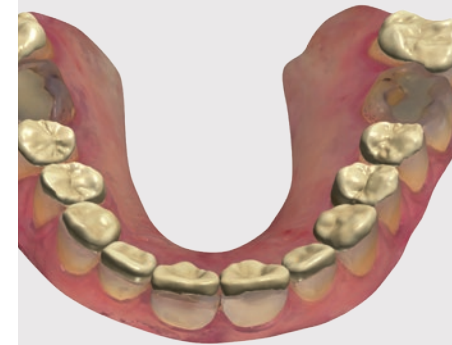
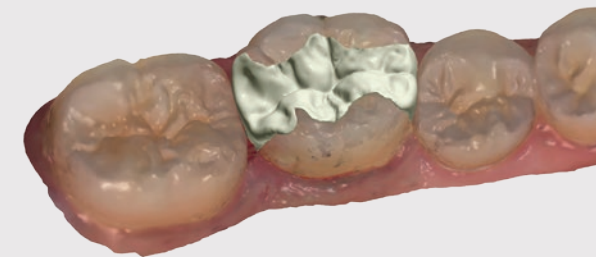


Expand your range of indications

With the increasing availability of monolithic materials and cost-efficient milling machines, inlays, onlays and veneers become more and more attractive for labs seeking ways to improve their business.

NEW Auto-inlay for high productivity

Easily design optimal inlays and onlays with high esthetics and minimal adjustment needs. New margin line tool makes it fast and easy to define the margin.



NEW Table-tops and non-preparation veneers

Technicians can now easily create highly-esthetic designs by placing the anatomy first and the margin line will automatically be defined on the non-prepared tooth.

Highly-esthetic veneers and Maryland Bridges

The new Smile Composer™ makes veneer design easier than ever. New support for lingual veneers provides the perfect tool for designing Maryland Bridges.



Give dentists new possibilities with Digital Temporaries and Diagnostic Wax-ups

Labs can now provide dentists with cost-effective temporaries that enable patients to try on the final crown design as a temporary. Impress dentists and their patients with realistic diagnostic Wax-ups that visualize the final design and secure the order for the final crown.

Sophisticated virtual preparations

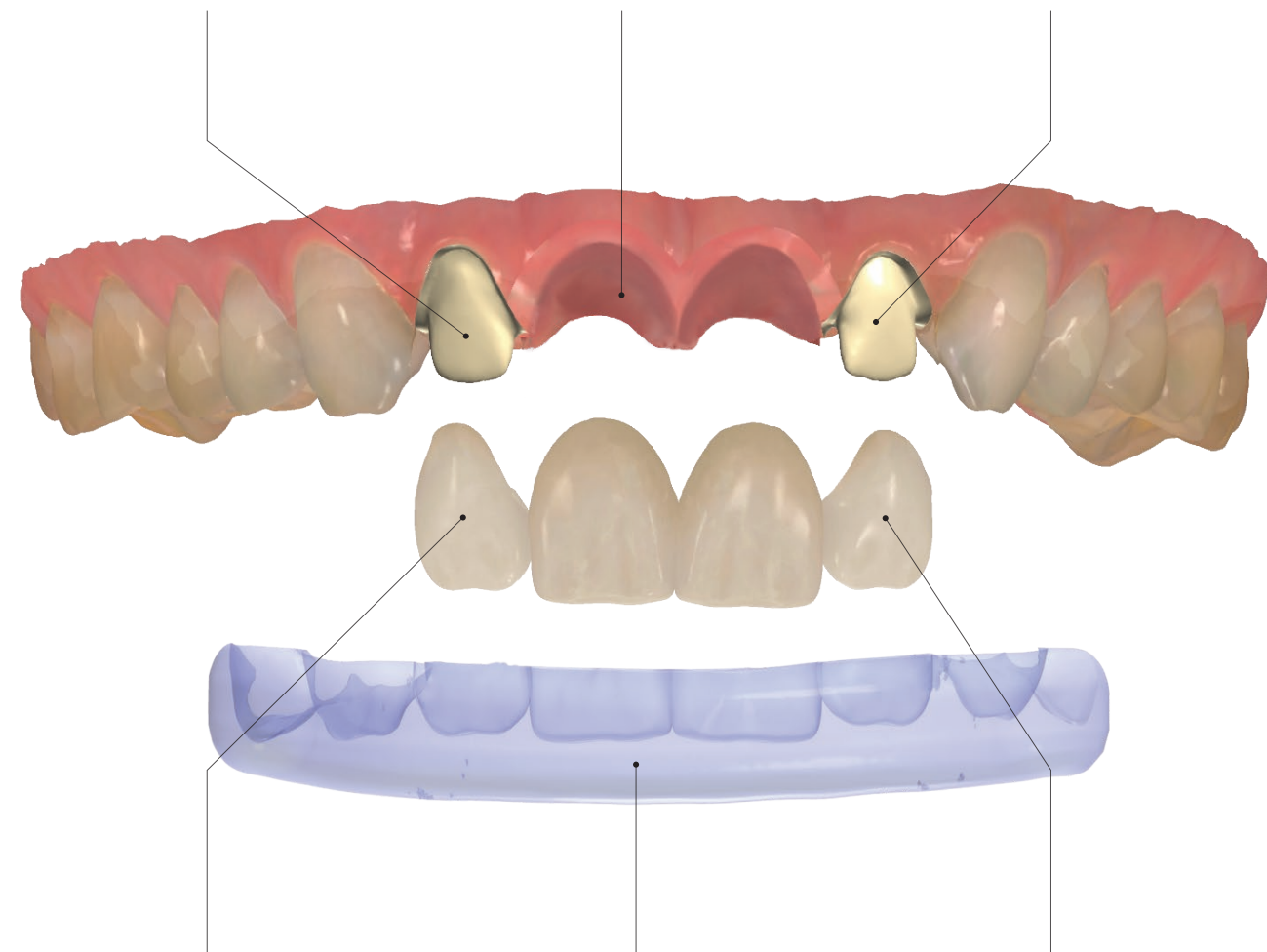
Design the final crown anatomy and virtually create the preparation using eggshell or traditional preparation.

Virtual gingiva for temporary bridges

Technicians can virtually extract teeth and form the gingiva in order to build complete temporary bridges.

Cost efficient model-free workflow

Design the temporary directly from digital impressions or scans of conventional impressions without pouring a model.



Reuse the temporary design for the final crown

Save time and deliver the promised result by copying the temporary design to the final crown.

NEW Positioning Guides for accurate placement of temporaries

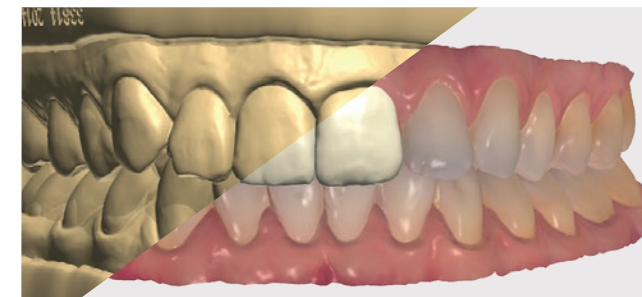
Help your dentist to easily and accurately place temporaries using custom designed positioning guides created in the same workflow.

Get temps in the shape of the final crown

Provide patients an anatomically correct and esthetic temp instead of one shaped like the damaged tooth.

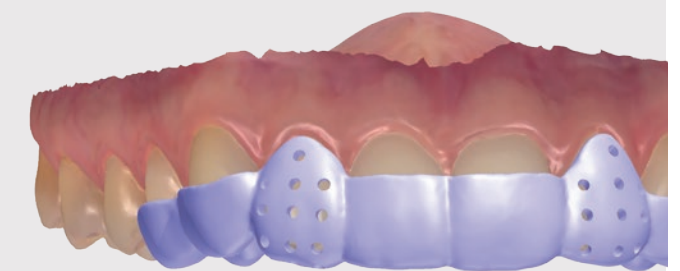
Virtual Diagnostic Wax-ups as a new service

Impress dentists and patients with a close to photo-realistic treatment proposal that includes the facial image using RealView technology.



NEW Provide dentists with a Physical Wax-up

Print a cost efficient Diagnostic Wax-up model for the dentist. Optionally create a silicon mold on the model for making temps using injection.



COMING Help the dentist to realize the design with Preparation Guides

Based on the final crown design, easily create a preparation guide that helps the dentist to validate the shape and size of the preparation.

Efficiency and accuracy for Post & Core cases

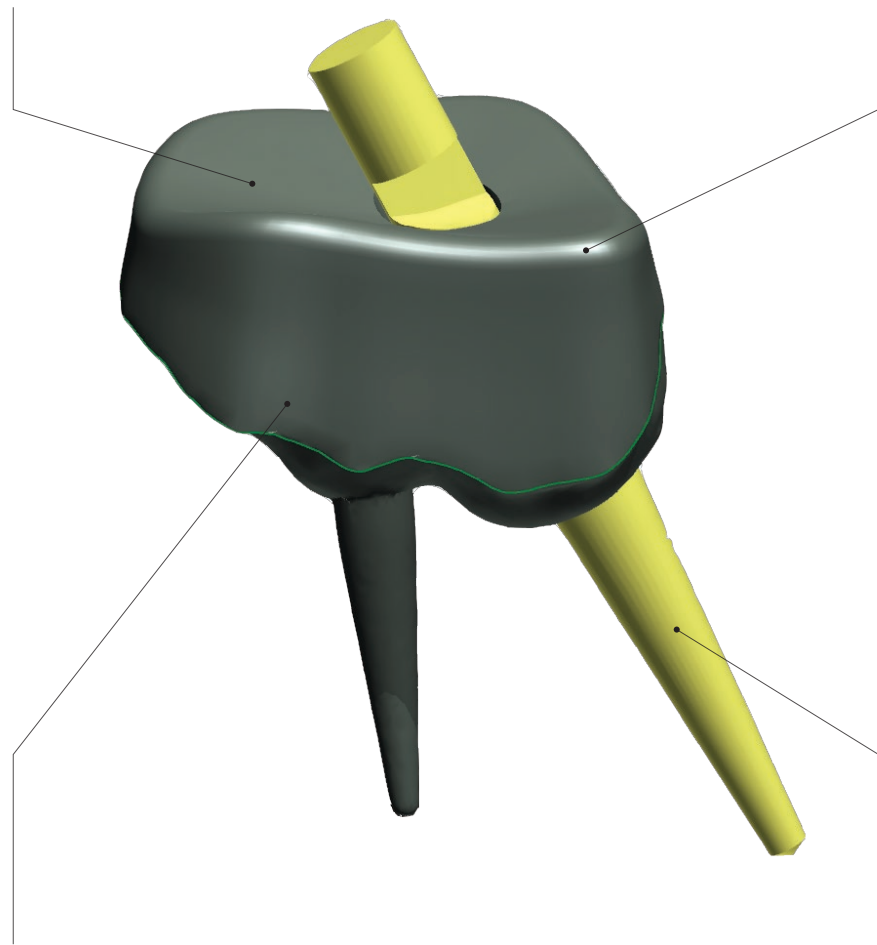
3Shape's unique solution brings new levels of productivity to classic Post & Core treatments. The combination of advanced scanning capabilities and modeling features facilitate ideal designs for the specific clinical situation.



Scan models, impressions, or use TRIOS® intraoral scans
Specially designed Scan Posts™ facilitate accurate position and depth capture of Post & Core positions and depths.



Optimal designs based on the final crown shape
Freely choose between designing standard Post & Core, anatomical posts or single-piece retained crowns.



NEW Extended possibilities for multi-post cases
Supports multiple scans of a single Post & Core case where multiple scan posts are in each other's way.

Supports multi-post cases and parallel core design
Easily design 2 or more perfectly parallel Post & Cores and enjoy full support for multi-post cases.

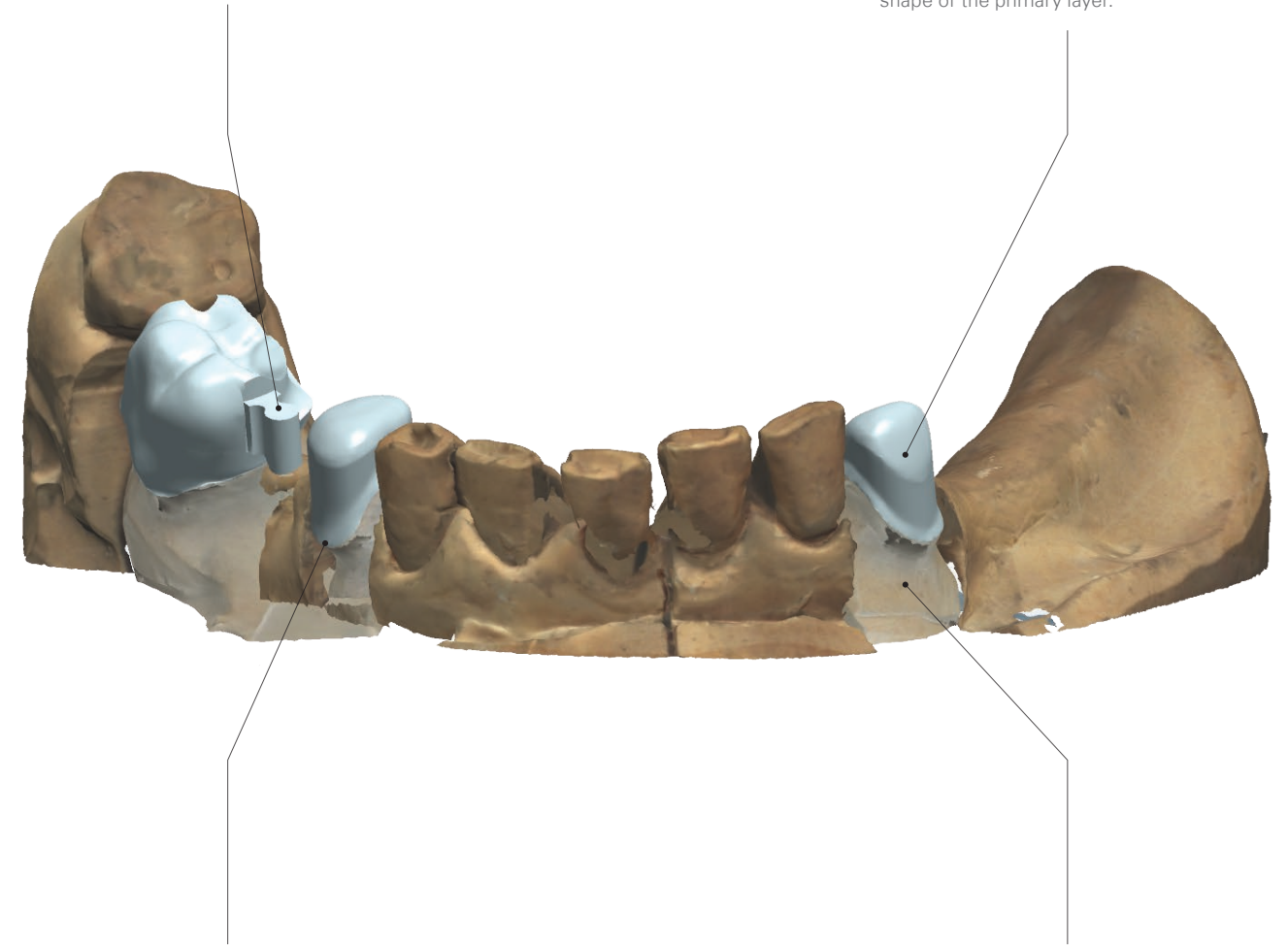
Sophisticated tools resolve any clinical case

Create advanced primary and secondary telescope constructions for even complex clinical cases using flexible tools and attachments. Design the anatomy first to intuitively guide the telescope design, realizing optimal results in terms of space, functionality, and esthetics.



All types of attachment crowns
Easily design attachment crowns and add attachments of any type including sophisticated Stress Distribution Arms.

NEW Anatomical design of secondary crowns
Optimized workflow for efficient design of anatomical secondary crowns using the shape of the primary layer.



NEW Improved fit of primary telescopes
New design tools enable technicians to create esthetic and functional primary telescopes.

NEW Easy scanning of un-sectioned models
Avoid sectioning the telescope gypsum model and achieve optimal accuracy using the new D1000 and D2000 scanners.

Get better esthetics and save costs with customized abutments

More and more labs are customizing abutments because they get improved clinical results, better esthetics and cost savings. Abutment Designer™ lets you automatically design the customized abutment and emergence profile with smooth transitions and optimal esthetics.



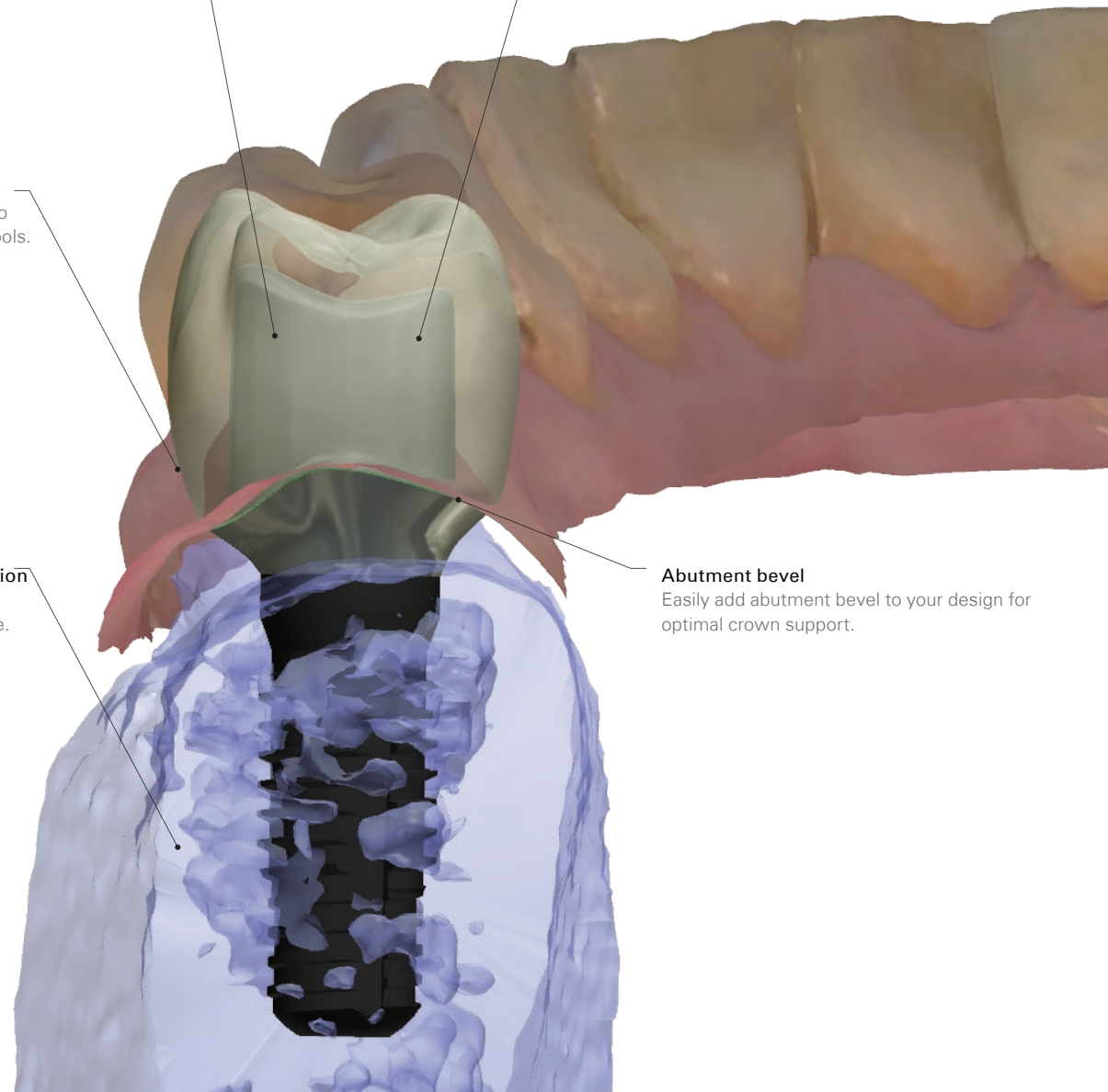
All types of abutments
Create customized abutments, screw-retained crowns and anatomical abutments.

COMING Auto-Abutment
Automatically generate an abutment that optimally fits the crown design.

Easily adjust to Gingiva
Snap emergence profile to gingiva or use freeform tools.

COMING Bone information
Improve abutment design by visualizing the jawbone.

Abutment bevel
Easily add abutment bevel to your design for optimal crown support.



NEW Add abutment position guides
Help your dentist easily and accurately place abutments, temporaries or veneers using custom designed positioning guides created in the same workflow.

More than 50 implant libraries
Get abutments from both original and compatible-with implant manufacturers covering all global and key regional players.
www.3shapedental.com/implant-systems*

COMING Bone information for better clinical results
Include bone data from CBCT scans to create better abutments without collisions and optimally shaped to the thickness of the gingiva.

When accuracy and esthetics matter

Expand your lab's business by offering a high value service that is rapidly growing in demand. Design sophisticated implant bars and bridges with the utmost precision using flexible tools and ISO-documented 3Shape scanner accuracy.*

Design any type of bar
Support for a wide range of standard bar and bridge types such as Primary, Dolder, Hader, Hybrid, Canada, and Wrap-around.

Extensive range of implant libraries
Support for direct-seating and multi-unit abutments.

Proven bar accuracy with 3Shape scanners
Accuracy on all 3Shape scanners is verified and documented according to ISO12836 and specially designed implant objects.

NEW Freely apply different types of bars
Combine multiple types in a single design with the new smooth surface transition that ensures an optimal finish.

NEW Improved finish with new Cut-to-gingiva
Match the bar to the underlying gingiva and achieve high quality with the newly enhanced surface finish.

Add any type of attachment
Freely add slide or ball attachments, locators and retention holes. Adjust position and angle if needed.

*Only libraries using FDA-cleared components permitted in the US.

COMING Perfectly matching secondary structures
Design your bar and then easily and precisely create its matching secondary according to the bar's attachments and form.

Esthetic implant bridges with gingiva
Easily design implant bridges complete with gingiva based on the final anatomy and a gingiva boundary that you define.

COMING Designs obtained directly from the Denture or Wax-up
Scan the denture and virtually cut back to facilitate design of an optimal implant bridge, or scan an original wax-up bridge to create a file for copy milling.

Offer implant planning and surgical guides while capturing the prosthetic work

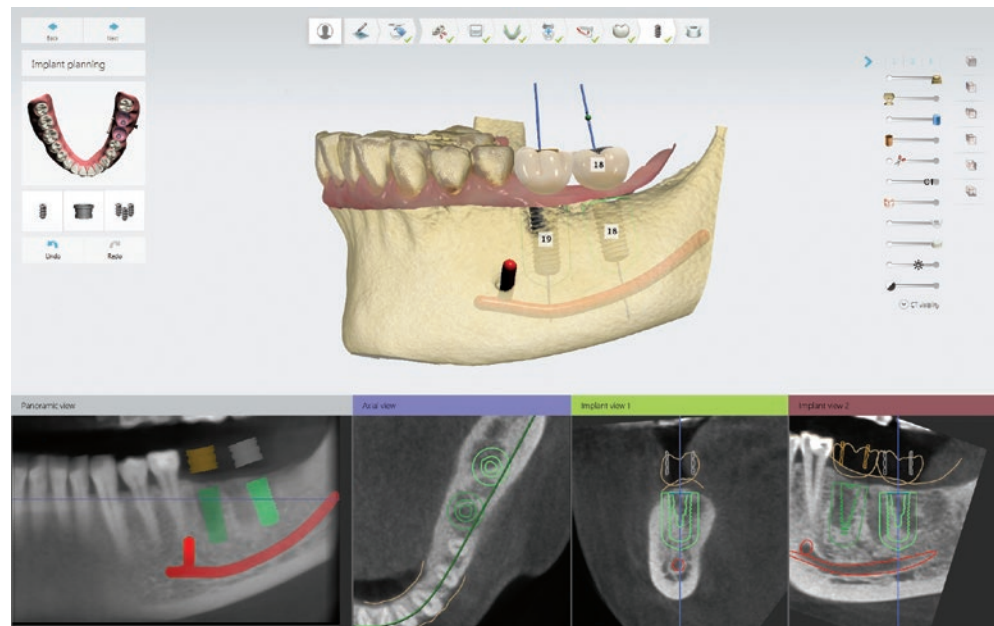
3Shape Implant Studio™ enables your dental lab to design and produce cost-efficient surgical guides, and even offer prosthetic implant planning. Once you have the implant positions, you can also design and produce all the prosthetic components such as temporary crowns and customized healing abutments. FDA 510(k) cleared.



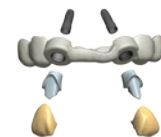
Help your dentist with the planning
Provide implant planning services receive the implant positions from the dentist.



Produce your own guides
Deliver cost-efficient surgical guides produced locally.



Offer dentists Diagnostic Wax-ups
Assist dentists in prosthetic-driven implant planning, and ensure optimal clinical results.



Provide one complete treatment package
Provide surgical guides, customized healing abutments, temporary crowns or even the final prosthetics.

Read more in the 3Shape Implant Studio™ brochure.

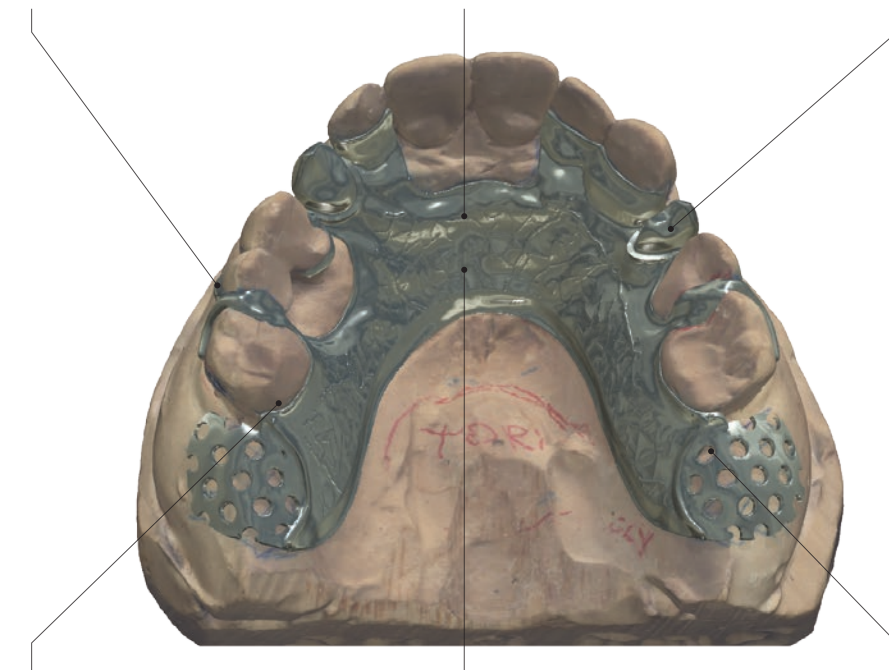
Design Removable Partials in less than 15 minutes

3Shape's intuitive design workflow mimics the manual steps for Removable Partial design while reducing traditional production time by 60-70%. New manufacturing processes for both metal and flexible frameworks make it more attractive than ever to create Removable Partials digitally.

NEW Design Clasps and Occlusal Rests
New tool to design esthetic and functional occlusal rests.

NEW Survey, block-out and expose undercuts
New tool to visualize all undercuts to easily and accurately perform block-out.

COMING Add virtual teeth for better frameworks
Place virtual crowns to guide your frame design or integrate metal dummy teeth.



NEW Apply attachments and stippled wax
Ultimate design freedom with the new tool for defining the stipple wax area.

Add Major, Minor Connectors and Retention grid
Freely draw the optimal areas directly on the model.

Advanced production support
Add flexible support bars and casting reservoirs.

“ With 3Shape RPD design software, I am able to increase my productivity significantly while consistently delivering high quality results – it’s a true differentiator for my lab ”

Mr David Schwab,
Director, Dentacast, Australia

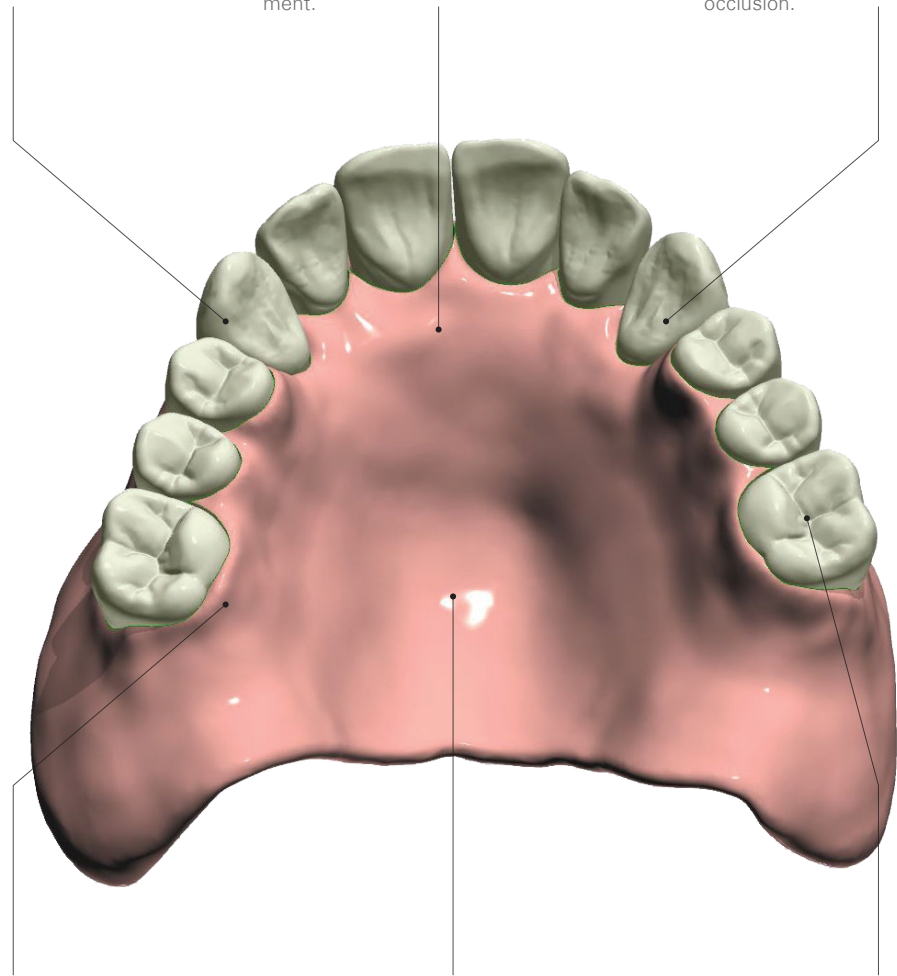
New technologies for better Dentures

3Shape's 3rd generation of Denture Design™ software not only allows labs to create Dentures digitally in fast and accurate workflows, but also provides unique tools for improving Denture occlusion and function. Initial clinical tests confirm improved clinical performance and indicate new possibilities for reducing both chair time and the number of visits required for Denture Patients.

NEW Scanning optimized for Dentures
Scan gypsum models (upper, lower, wax-rim) or impressions (centric, single trays).

NEW Model analysis for easy Denture planning
New software to easily analyze the model ensuring optimal tooth selection and placement.

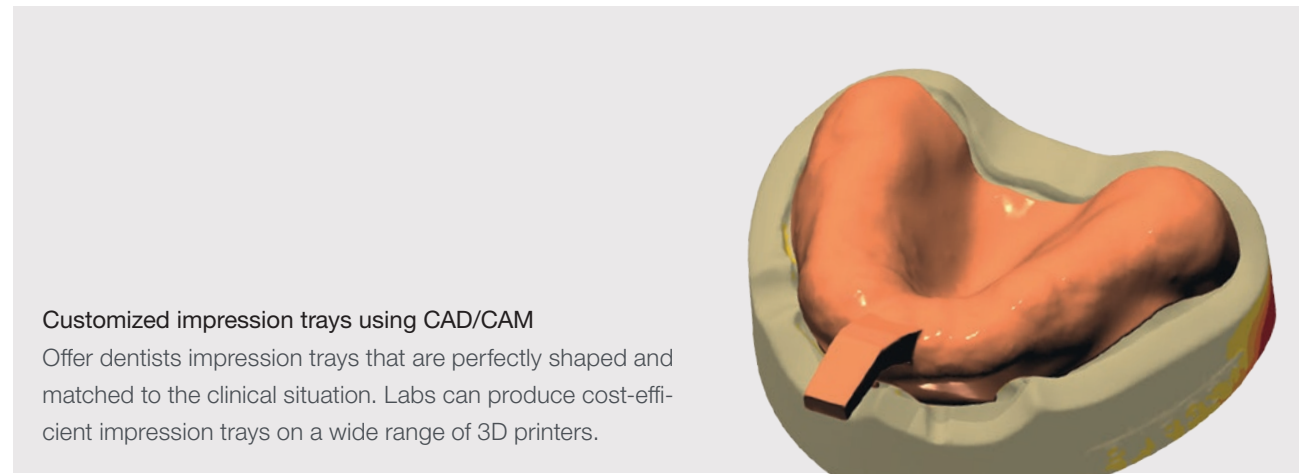
NEW Fast and easy placement with Smile Composer™
Effortlessly set all teeth, adjust upper, lower, and selected blocks while preserving occlusion.



NEW Automatic Gingiva matched to the teeth
Simply define the gingiva boundary and let the software design a perfectly shaped gingiva.

NEW Rescan your wax try-in
Full support for rescanning of the try-in to update the final design according to the try-in results.

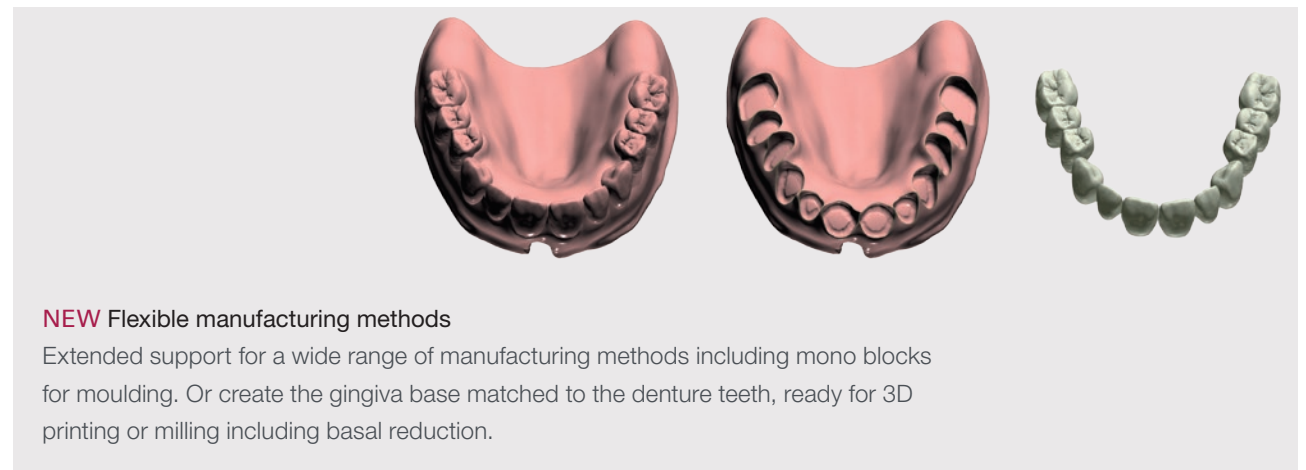
Access Denture teeth smile libraries
Wide range of anatomy libraries with complete smiles set up in perfect occlusion. Support for many leading brands.



Customized impression trays using CAD/CAM
Offer dentists impression trays that are perfectly shaped and matched to the clinical situation. Labs can produce cost-efficient impression trays on a wide range of 3D printers.



NEW Better dentures with new Model analysis tools
Click on specific anatomical points directly on the 3D model and automatically get suggestions for optimal teeth libraries and placement.



NEW Flexible manufacturing methods
Extended support for a wide range of manufacturing methods including mono blocks for moulding. Or create the gingiva base matched to the denture teeth, ready for 3D printing or milling including basal reduction.

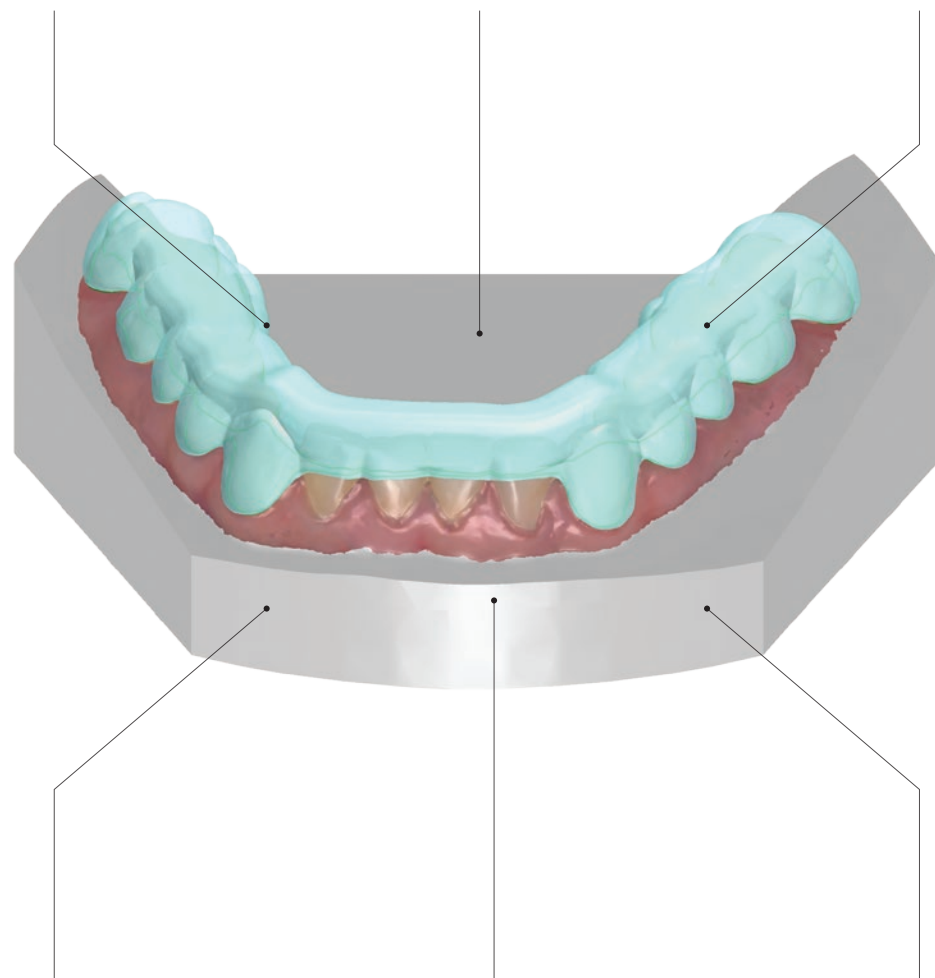
New business opportunities with Splints

3Shape's Splint Designer™ lets you expand your digital offerings with Splints, Night Guards, Protectors and similar dental appliances. Designed Splints are ready for manufacturing on milling machines or 3D printers.

NEW Improved workflows and ease of use
Strengthened user guidance makes Splint design easy for technicians.

Flexible design
Easily design a shell and apply predefined geometrical 2D profiles.

Apply virtual articulators
Control occlusion and adapt the Splint design effortlessly.

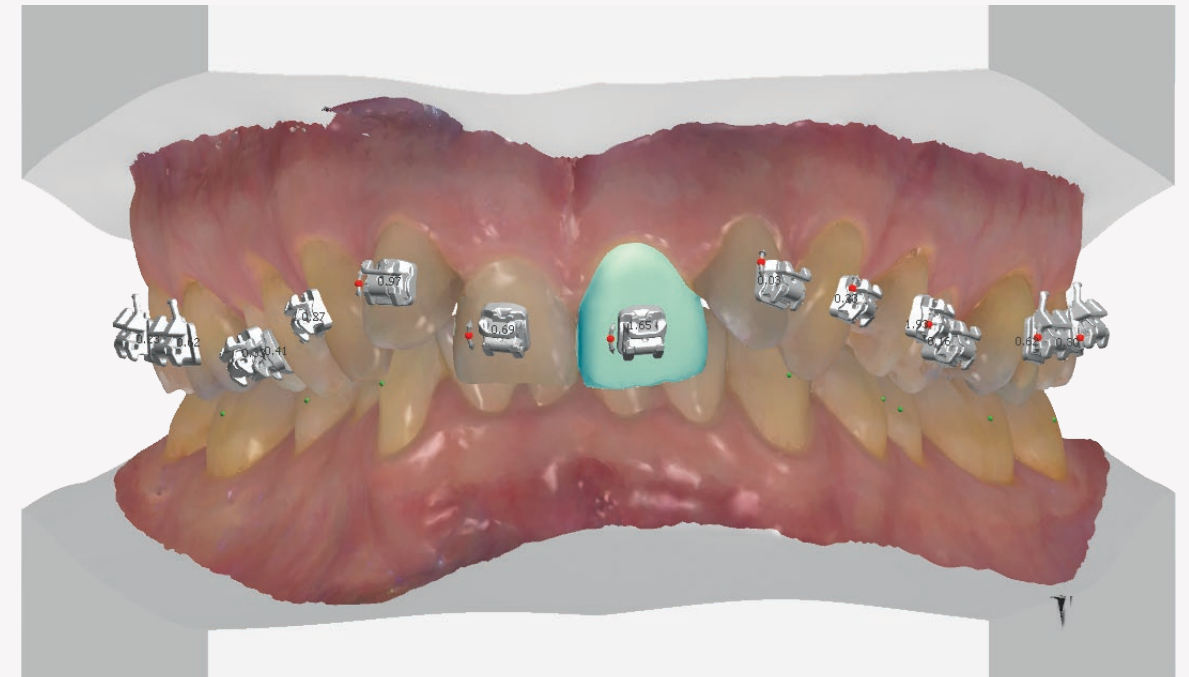


Add ID tags
Virtually engrave patient name, case no., or other identification on the Splint.

NEW Optimized for Milling
New drill compensation for optimal fit.

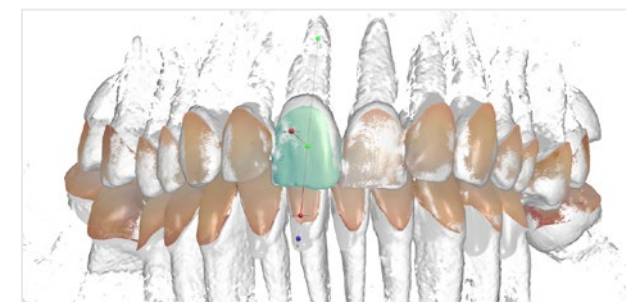
Adapt to antagonist
Add or subtract the antagonist from the Splint.

NOTE: The Splint Designer™ is included with Dental System™ Premium.



Bring Orthodontics into your lab

3Shape Orthodontics™ helps labs leverage their investment in Dental System™ by strengthening their orthodontic activities. Labs can provide digital study models, digital treatment planning and indirect bonding services, and create sophisticated appliances using the powerful and flexible Appliance Designer™.



Offer diagnostics and complete treatment planning services

Offer study models, analysis and diagnostics, positioning of brackets, as well as treatment planning with virtual set-ups and simulations.



Easily create all types of appliances

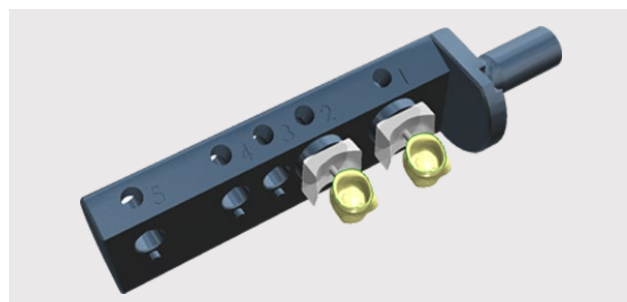
Design indirect bonding trays, nightguards, retainers, customized bands, splints, surgical bites, palatal expanders, bionators, Twin blocks, Herbst appliances, Planas tracks and more.

Read more in the 3Shape Orthodontics™ brochure.



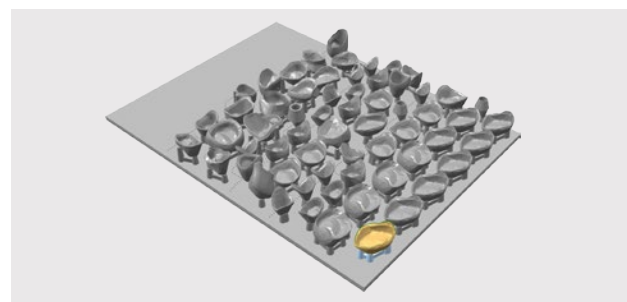
Integrated automated milling and 3D printing

3Shape CAMbridge® provides labs and milling centers with unmatched manufacturing productivity and cost-efficiency. The new generation of CAMbridge® software is now fully integrated with the Order Manager and easier than ever to operate.



Complete integration with a wide range of milling machines

New user interface and extensive automation makes it easier than ever to control nesting, blanks and actual milling. Support for full range of indications and materials using 3Shape or 3rd party CAM engines.



Optimized for 3D printers and Laser sintering

New support for even more 3D printers, both advanced and entry level machines. Automatically prepares printing while ensuring optimal placement, orientation, support generation, ID-tagging and communication with the machine.

Your powerful dental CAD/CAM ecosystem

3Shape Dental System™ is praised worldwide for its unrivaled versatility, solution integration, wide range of libraries and ability to interface with virtually all manufacturing equipment and materials. Regardless of your methods, existing equipment, and manufacturing preferences, your 3Shape system will continuously fit your workflows and business strategies.

Access more than 50 Implant providers libraries

including major original and compatible - with manufactures.

Flexible manufacturing options

Extensive Material and Milling Center Libraries.



Wide manufacturing integration

To 3rd party milling machines, 3D printers and milling centers.

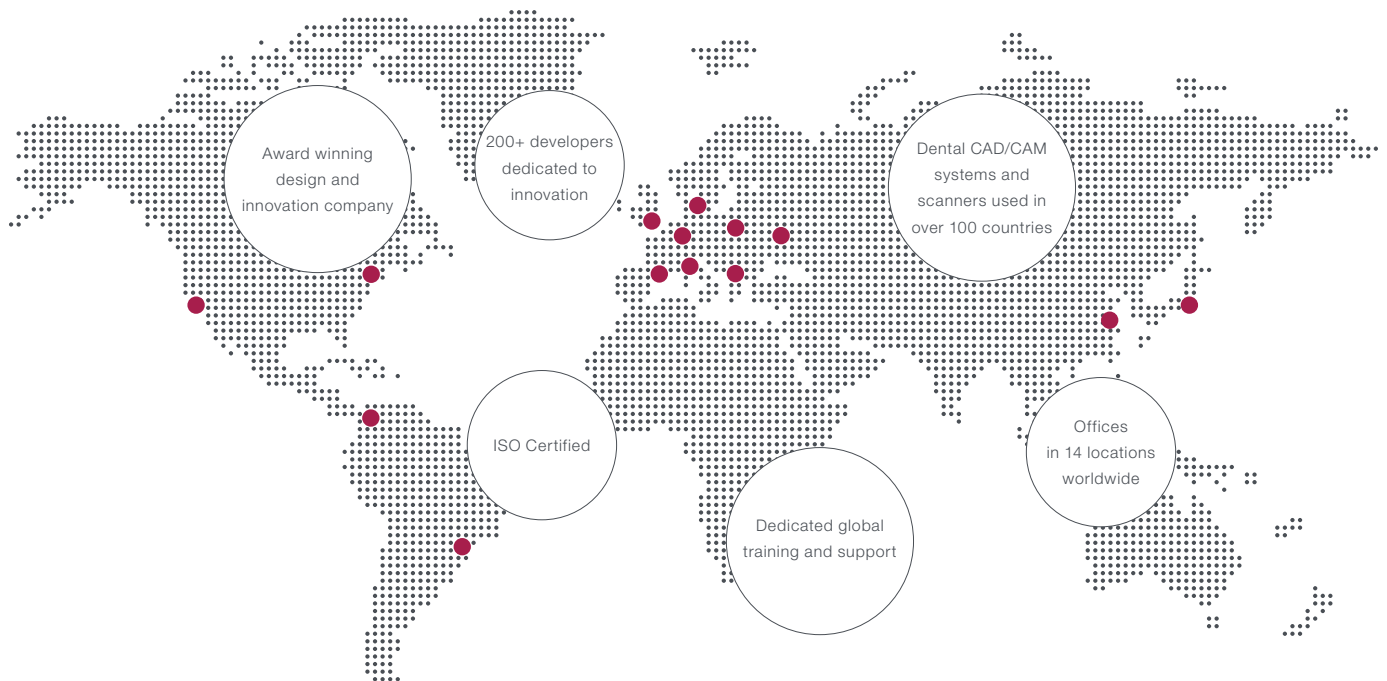
Import 3rd party digital impressions

Support for Sirona CEREC, Cadent iTero, PlanScan and 3M True Definition, 3Shape TRIOS® and Carestream.

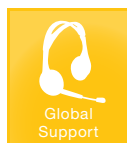
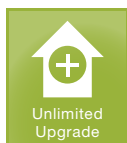
TRIOS® and Integrated Solution

Take full advantage of advanced digital impressions technologies.

3Shape develops 3D technologies for dental practices and labs



Backing labs with care, technology and expertise



3Shape LABcare™ is an integral part of your annual 3Shape subscription. It bundles services that are designed to ensure your investment, secure maximum uptime, and help you get the most from your solution year after year.