3Shape
Dental System

Innovative 3D scanning and CAD solutions

3shape ▷

What's new in 3Shape Dental System

Dear dental lab professionals,

Digital dentistry is no longer only a way for labs to be more productive, but also a necessity to maintain business in the rapidly changing dental industry. As more and more dentists embrace intraoral scanning and digital technologies to improve patient experience, labs continue to play a key role in the industry. Understanding this and your actual needs are what drive 3Shape's innovation.

Your success matters. 3Shape makes it a priority to work closely with lab professionals, be the labs' reliable partner and create leading technology that maximizes their profitability. With 3Shape Dental System, 3Shape ensures that labs of all sizes can get a robust and powerful CAD/CAM solution that is fast, accurate and packed with digital workflows enabling high-revenue lab service options and a secure future.

Innovation never stops at 3Shape and 3Shape Dental System enables the widest range of treatment workflows and provides the largest suite of digital tools and libraries. Users get integrated and intuitive workflows, value-packed care programs, and an open ecosystem that freely lets you combine equipment, materials, and 3rd party services so that you can take advantage of all that digital dentistry has to offer.

Thank you,
Let's change dentistry together.

Tais Clausen
Co-Founder of 3Shape

Scan the bite directly in the articulator
The new 3Shape Articulator Holder for 3Shape E scanners enables you to insert the articulator into the scanner and scan the bite directly.

New business opportunities with clear aligners and dentures
Recent expiration of clear aligner patents opens an attractive and profitable market for labs, and 3Shape has created a flexible solution that will enable any lab to get started. Also, new production methods for dentures truly make digital dentures a reality with 3Shape's denture software.


All-inclusive restorative package for the digital lab
Introducing 3Shape Dental System Complete Restorative, a new software package that includes all the advanced design modules such as Abutment Designer, Model Builder, and Full Digital Dentures thereby significantly reducing cost for customers using multiple add-on design modules.

A solution
for every need

3Shape supports every step of your digital journey. With 3Shape you can tailor a CAD/CAM solution perfectly matched to your lab's current size, budget and business model, and expand your offering with new services as you grow.

Learn more at **3Shape.com/Lab**
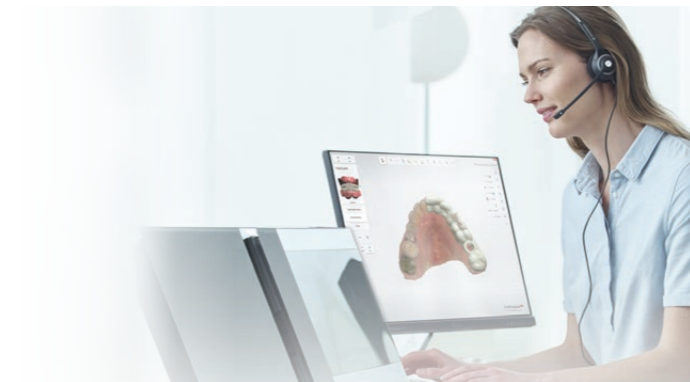
1. Scanner

- E1
- E2
- E3
- D1000
- D2000

Consider your lab's needs for scanning speed, accuracy, or texture-capture.

2. Software package

- Scan Only
- Crown & Bridge
- Removable
- Premium
- NEW Complete Restorative

Not ready to design in-house? Use the Scan Only package and an external design partner service.

If you only design simple cases, the Crown & Bridge is the cost-effective package for you.

Design an unlimited number of advanced cases with Premium.

NEW The Dental System Complete Restorative package provides unlimited access to designing any restorative case while significantly reducing costs for customers using multiple add-on design modules.

3. LabCare service

- Basic package
- LabCare
- LabCare with warranty and replacement service

A subscription with 3Shape Dental System is completely optional. The basic no-subscription package offers limited services free of charge.

3Shape's subscription package give you high value services such as unlimited upgrades, support, access to training & events and special discounts.

Add our five year warranty and replacement service to secure your investment and avoid downtime.

4. Optional add-ons or CAD points

- CAD points
- Model Builder
- Abutment Designer
- And more.

Ready to expand your lab's offering? Supplement your solution with add-ons or purchase **CAD points** to use on a case-by-case basis for indications not included in your package.

3Shape E Scanners
Go digital with high quality scanning

In today's digital era, even the most cost-conscious labs need a solid CAD/CAM system that meets the many new demands of their customers. 3Shape's E scanners come with the latest technologies for accuracy, high speed and adaptive impression scanning to make advanced CAD/CAM accessible to labs of all sizes.

Latest technologies
5 MP cameras, Blue LED and multi-line scanning for optimal detail capture and accuracy.

Fast scanning and auto-start for high productivity
High scan speeds let you complete more cases in less time. Scanning starts as soon as you place the model inside.

NEW Scan the bite directly in the articulator
With the new 3Shape Articulator Holder, you can now insert the articulator into the scanner to scan the bite directly.

Reliable impression scanning
Scan impressions directly without pouring a model, saving time and costs.

Best value for money
Get advanced scanning features and CAD design workflows at an affordable price.

3Shape D2000
Increase productivity by up to 40%

The D2000 scanner provides very high ISO-documented accuracy, color texture, superior scan speeds and Adaptive Impression Scanning. Featuring industry-firsts like All-in-One Scanning, the D2000 captures upper and lower models, all inserted dies, and occlusion information in a single operation.

All-In-One Scanning saves 4 out of 5 steps with your 3-unit bridge
Scan complete cases in one scan. Room for two models and Auto Occlusion Technology lets you capture upper, lower and bite in one go.

Includes 5-year warranty & replacement service
Protect your investment and avoid downtime with 5-year warranty and scanner replacement services with LabCare (optional for all scanners).

reddot award

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

RealColor technology enhances details
Capture all textures and colors on the model for a lifelike design experience.

Quality Control and Service
Quality system compliant with FDA 21 CFR part 820 and ISO 13485.

3Shape lab scanners for every need

E1 Essential scanning to digitize your lab

- 2 x 5 MP cameras, Blue LED Multiline
- Accuracy (ISO 12836 / implant) : 10 µm/12 µm
- Scan speed (arch): 40 sec
- Scan speed (die): 25 sec
- Scan speed (full arch impression): 130 sec
- Texture: n/a

E2 Increased productivity and texture scanning

- 2 x 5 MP cameras, Blue LED Multiline
- Accuracy (ISO 12836 / implant) 10 µm/12 µm
- Scan speed (arch): 30 sec
- Scan speed (die): 20 sec
- Scan speed (full arch impression): 90 sec
- Texture: B&W

E3 High performance and implant bar accuracy

- 2 x 5 MP cameras, Blue LED Multiline
- Accuracy (ISO 12836/ implant) : 7 µm/10 µm
- Scan speed (arch): 24 sec
- Scan speed (die): 18 sec
- Scan speed (full arch impression): 80 sec
- Texture: Color

D1000 Ultra high productivity and die-in-model scanning

- 4 x 5 MP cameras, Blue LED Multiline
- Accuracy (ISO 12836 / implant) : 5 µm/8 µm
- Scan speed (arch): 16 sec
- Scan speed (die): 15 sec
- Scan speed (full arch impression): 65 sec
- Texture: Color
- Scanning strategy: Die in model

D2000 All-in-one scanning for max volume throughput

- 4 x 5 MP cameras, Blue LED Multiline
- Accuracy (ISO 12836/implant) : 5 µm/8 µm
- Scan speed (arch): 16 sec
- Scan speed (die): 15 sec
- Scan speed (full arch impression): 65 sec
- Texture: Color
- Scanning strategy: All in one

Get impression scanning and secure your investment
Impression scanning is expected to become the standard for 3D scanning in the lab, leaving "gypsum only" scanners obsolete. 3Shape's patented adaptive impression scanning technologies ensure complete capture of preparation, proximal and contact areas. Labs can design without pouring a gypsum model to save both time and money, and 3D print their models if needed.

Transfer correct positions and reduce manual adjustments
3Shape's enhanced Articulator Transfer Plate solution accurately transfers the position from the physical articulator into the virtual articulator reducing the need for manual adjustments. Works with any articulator. You also skip the bite scan and save an extra scanning step.
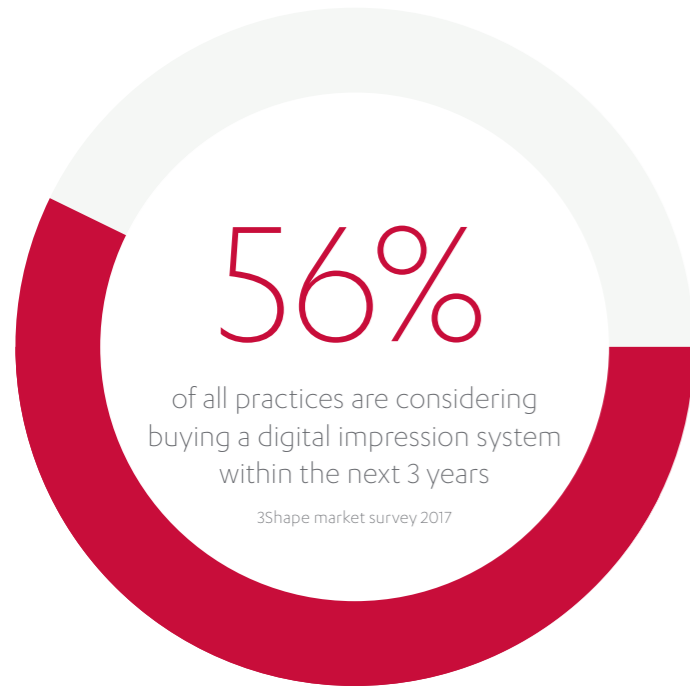

Physical articulator

Virtual articulator
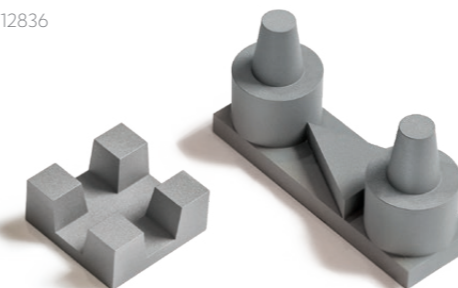
Know your investment – documented high scan accuracy
Before choosing a scanner, users should know the accuracy measurement methods behind the manufacturer's claims. 3Shape measures and documents accuracy for all scanners using ISO standards and dedicated implant bar validation objects.

# Be ready to service the digital dentist

More and more dentists are taking impressions digitally. Intraoral scanning combined with digital solutions such as smile design and treatment simulation are helping dentists excite their patients and encourage treatment acceptance. Dentists are seeking labs that can utilize these technologies and work with them to realize their promises to patients.

56%
of all practices are considering buying a digital impression system within the next 3 years

3Shape market survey 2017

Patient specific motion for true jaw movement
Now doctors can scan and record the patient's dynamic articulation which you can load into 3Shape Dental System with the case. This enables you to adjust restorations based on the patient's articulation, potentially leading to improved contacts and better functional crowns. A unique function that only comes with 3Shape TRIOS® and 3Shape Dental System.
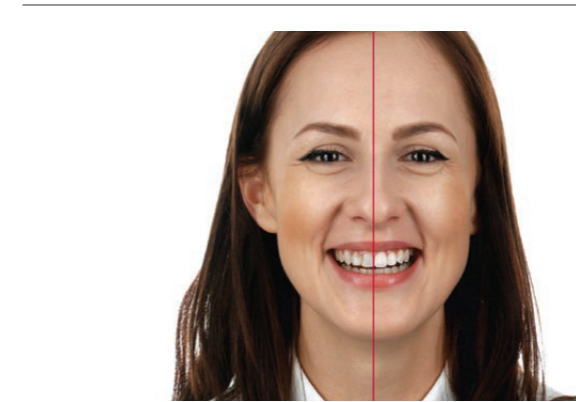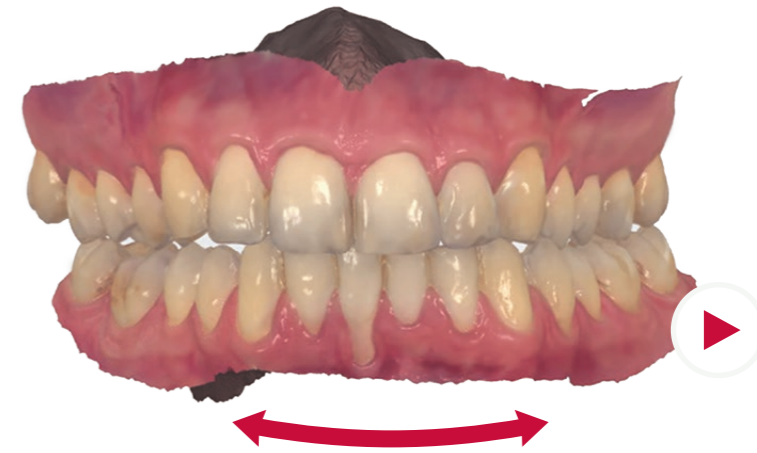
Help dentists excite their patients
Dentists are increasingly using digital tools to enthuse patients and increase their acceptance of treatment suggestions. The lab can contribute to this effort with tools such as Smile Design, and thereby become the dentists preferred partner.

Open system supports 3rd party intraoral scans
Take advantage of the verified and dedicated import workflows for all major 3rd party scans - to handle processing of the specific scan data as well as to access all contained information regarding the order and materials.

Dentsply Sirona

Carestream DENTAL

3shape

PLANMECA

3M

Get your lab ready for 3Shape TRIOS
The 3Shape TRIOS Ready program connects and advertises your lab to customers. See www.3shape.com/triosready for more information.

The widest range of treatment workflows

With 3Shape Dental System, labs can continuously expand their portfolio with more services to stay ahead. 3Shape is renowned for its unrivaled range of treatment workflows including special types to cover the diverse needs and preferences of dentists and their patients.

See 3Shape.com/Lab for more details.

Primary telescope

Secondary telescope

Customized abutments

Screw retained crowns

Screw retained crowns with cutback

Positioning guides

Implant frame bridges

Screw retained bridges

Single crowns

Full anatomical bridges

Maryland Bridges

Copings

Implant bars

Implant planning and surgical guides

Removable partial dentures

Dentures

Framework bridge

Crowns and bridges with facial cutback

Inlays, onlays and veneers

Table-tops and non-prepared veneers

Single arch dentures

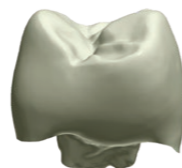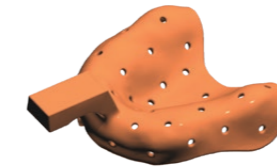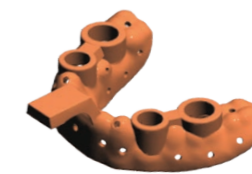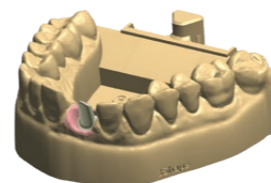Customized impression trays

Customized impression trays for implant cases

Crown and bridge models

Temporaries

Virtual diagnostic wax-ups including models

Standard post and core
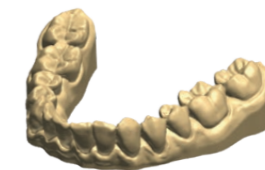
Post retained crown (Richmond crown)
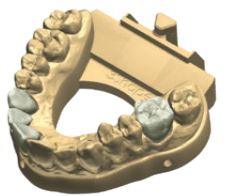
Implant models with analogs

Splints

Aligner models

Orthodontics and appliances

Stronger core functionalities and increased stability

With every new 3Shape Dental System software release and as a part of our LabCare promise, we bring 3Shape labs new possibilities to expand their business through added treatment workflows and new service options. But we also focus on improving core functionalities and the tools that you value the most - including their stability and efficiency when working with even the largest cases. Here are some of the improvements we bring you in 2018.


NEW Unlimited flexibility when handling scans
The new flexible scan handling allows technicians to combine an unlimited number of scans to make even complicated designs faster, easier and better. Add intraoral scans, pre-preparation scans, bite, or face scans, as well as designs from other orders, and apply alignment and visualization tools as needed. Additionally, technicians can now save their design at any step, to store intermediate designs or save their applied design steps for future use.

NEW Bring to contact tool
Automatically snap the crown to the antagonist or neighboring teeth providing precise contact.
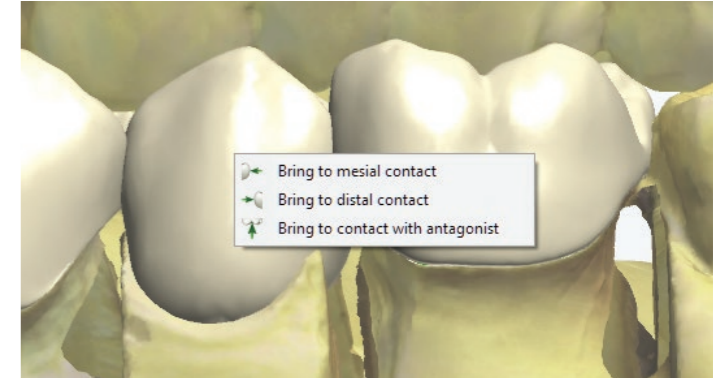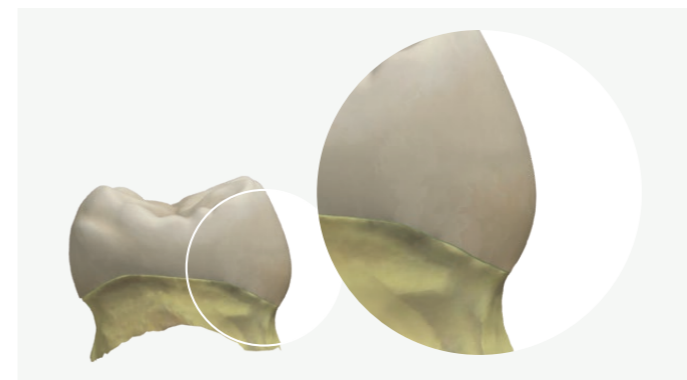

NEW Double speed bridge and bars
Based on valuable input from our users, we reworked the software algorithms for bridge connectors adding improved positioning, more speed and stability.

NEW Stronger contact and smoothing tool
Designing contacts and smoothing with the Sculpt tool has been redeveloped for a faster and more consistent design experience.
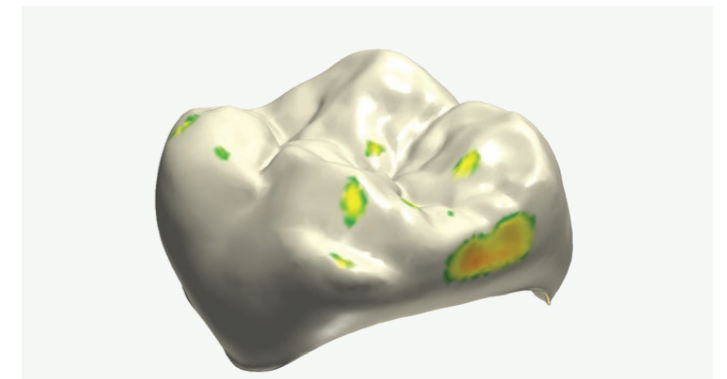
NEW Now easier to connect to the margin line
Display the edge of the restoration, to better control your margin line connection.

Provide implant restorations digitally and grow your business
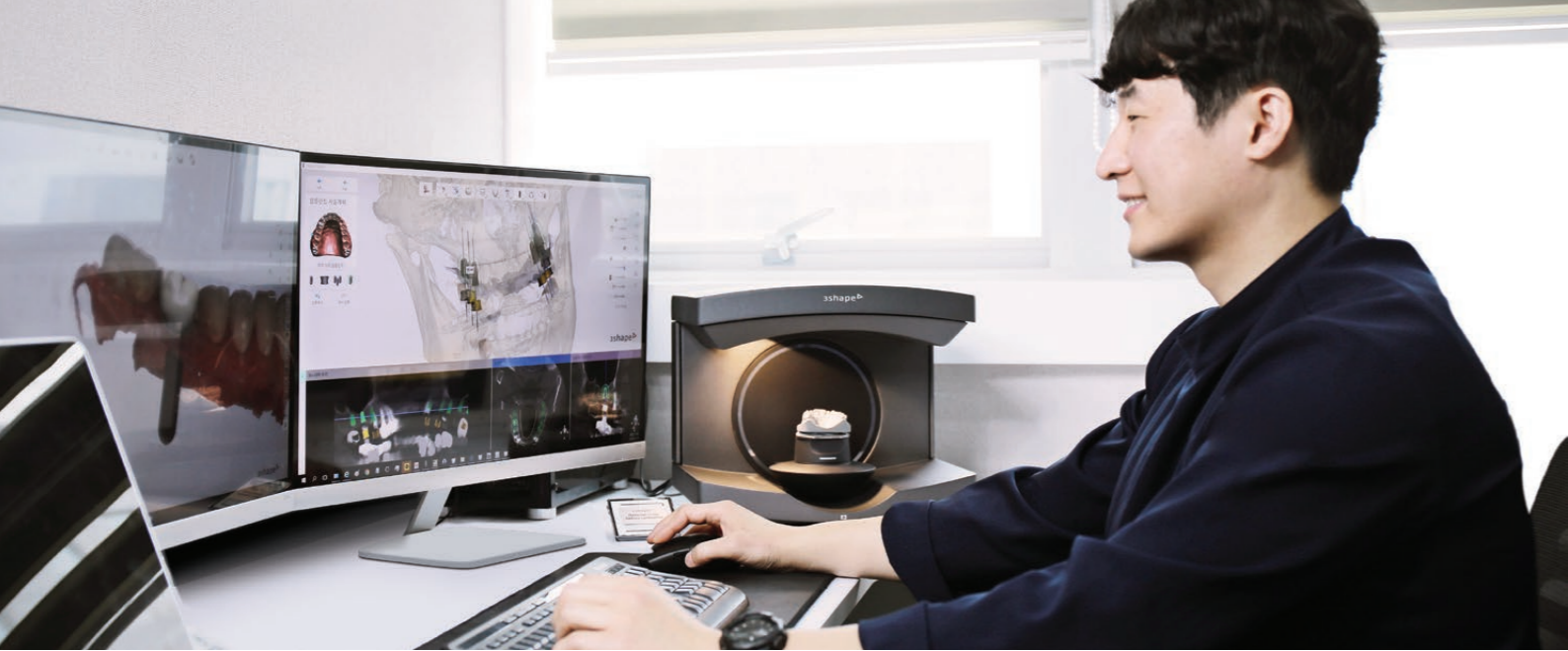
A recent survey showed that 61% of US labs say their implant business is either good or booming*. With 3Shape Dental System you can design even the most advanced implant restorations with high esthetics and function. Supplement with the 3Shape Implant Studio module to additionally offer dentists key implant services such as planning and surgical guides, and thereby secure the restoration order.

Digital implantology workflow
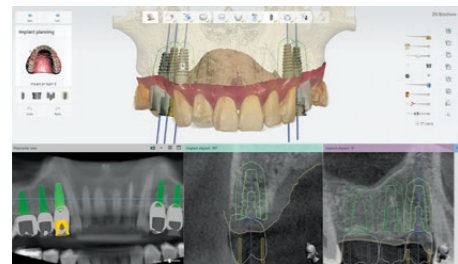
Implant planning with Implant Studio
Easily plan implant positions based on an initial crown design, or apply planning received from the dentist. Use 3Shape Communicate or other communication tools to quickly share and confirm your planning results.


Design and produce surgical guides
Easily design surgical guides based on the implant planning results. The latest advancements in small 3D printers enable labs of any size to produce surgical guides at competitive prices.

Provide the complete implant restoration package
Use your implant planning to create customized abutments (healing and final), temporary screw retained crowns and bridges, and even the final prosthetics in Dental System through your normal work-flows.

Implant scanning made easy with open 3Shape scan bodies
The highly durable titanium scan bodies from 3Shape are available for all major implant systems. A unique ID code automatically identifies the implant system and connection to eliminate manual errors in the order form sent from the practice to the lab (coming soon). Compatible with both intraoral and lab scanners, and open for use in all implant libraries in dental system.
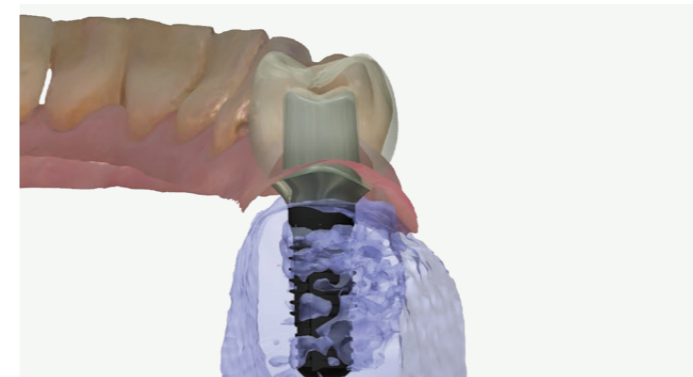
COMING Import bone information for optimal emergence profile design
Transfer bone information from Implant Studio into Dental System to design abutments, implant bridges and bars with emergence profiles precisely matched to the bone level.
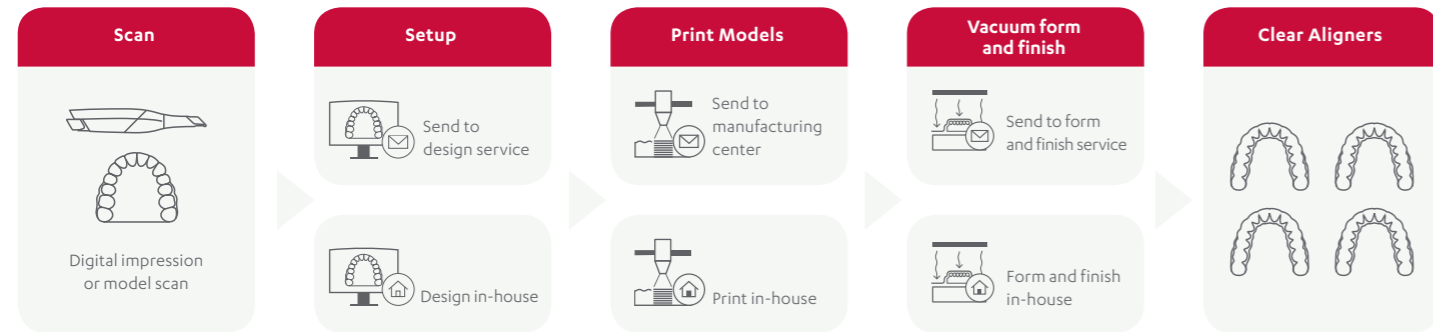
Design beautiful implant bridges
The intuitive step by step workflow starts with creating your implant bridge setup using the 3Shape Smile Composer. The new "bring to contact" tools make it easier than ever to adapt your restoration to the antagonist. Apply the gingiva and finally modify to create high esthetics and function.

Now you can offer clear aligners and grow

Clear aligners represent today one of the fastest growing areas within dentistry. New digital technologies, and recent expiration of clear aligner patents have opened new opportunities for dental labs to enter this highly profitable industry by incorporating clear aligners into their offering. 3Shape makes this easy by providing digital workflows for either in-house design or through direct access to expert orthodontic design services*.

Flexible digital workflow for clear aligner production

Scan	Setup	Print Models	Vacuum form and finish	Clear Aligners
	Send to design service	Send to manufacturing center	Send to form and finish service	
Digital impression or model scan	Design in-house	Print in-house	Form and finish in-house	

Learn more at 3shape.com/clear-aligners

"Starting in October 2017, about 40 of Align's early patents will expire [...] the company will likely have to deal with more competition."

Forbes

Forbes, April 2017

High quality aligners with 3Shape's Orthodontic software
Segment the teeth, define the final orthodontic outcome, generate the intermediate setups and modify where needed. The output is a series of models ready for direct manufacturing on 3D printers*.

Use an expert design service to get started with Aligners
Labs without aligner experience can get started immediately with their profitable clear aligner business by letting expert clear aligner design services perform the setup and send the models back for 3D printing in your lab.

*510(k) approval Pending. Market clearance for new and updated software features may be pending in your country.
18 Contact your reseller regarding availability of 3Shape products in your region.

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The thrill of a perfect smile

The ability to create highly esthetic smile designs for dentists and their patients is an attractive and profitable area for labs. 3Shape provides a new powerful solution for very fast and easy creation of digital smile designs – with photo-realistic simulation to show the patient. 3Shape Dental System enables you to link your 2D smile design to 3D in 3Shape's RealView to directly guide your restorative designs.

With 3Shape Smile Design, I can easily create and share a photo-realistic smile design in minutes

Florin Cofar,
Dentcof, RAW

Easily simulate realistic smiles in 2D

Existing smile

New smile with
3Shape Smile Design

NEW Beautiful smiles with 3Shape Smile Design
Create perfect digital smile designs based on a photo of the patient's face in just a few minutes. 3Shape Smile Design is included with 3Shape Dental System Premium.

Show patients their new smile
Patients will be thrilled to see their new smile on their photo. 3Shape offers integration to mobile devices using 3ShapeCommunicate.

Realize the smile design in 3D with 3Shape RealView

Smile Design outlines

Dental System
RealView Engine

Excellent communication tool
Ensure clarity by sharing the Smile Design photo when communicating with the dentist and the patient.

Link between 2D and 3D
Use the digital smile design with the patient's photo to guide your 3D restorative design in the 3Shape Dental System RealView Engine for high esthetics and great results.

Get started today
with Full Digital Dentures

Recent advancements in 3Shape's Denture Design software and new possibilities within materials and manufacturing make it highly attractive and profitable for labs to produce dentures digitally. Moving forward, digital production of dentures is expected to disrupt the industry for removables. Now's the time to get on board.

Design single-arch dentures
Design dentures using customized teeth for single arch while adapting to the antagonist using the virtual articulator.

NEW Powerful tools
Apply drill compensation to the denture base to ease setting on a gypsum model. Easily verify minimal thickness requirements on the design.

NEW Support major denture teeth libraries
Choose your preferred premanufactured teeth manufacturer or use own custom libraries according to your needs.

Combine gypsum and impression scans
The scan application allows technicians to align and merge different scans enabling flexible workflows.

Use patient's photos with 3Shape RealView
Overlay the patient photo to achieve personalized and highly aesthetic results.

Full workflow for try-ins
Design your try-in and check it out on the patient. Rescan the try-in to capture adjustments and update the design for a better denture.

Choose the optimal denture production method

There are different production methods for dentures. Some are optimized to achieve high esthetics and others to realize lower costs. With 3Shape's versatile denture solution, labs can choose from various production methods and thereby offer dentists and patients flexible denture services and solutions matched to specific requirements.

3D printed denture base and 3D printed denture teeth
With 3Shape you can create the teeth in a bridge structure using a unique design that is easily fit into the denture base in a one-step hassle free gluing procedure. Teeth can also be 3D printed individually.

The major 3D printing companies in the world are working on materials to make this revolution come true. 3Shape Dental System is ready for it.
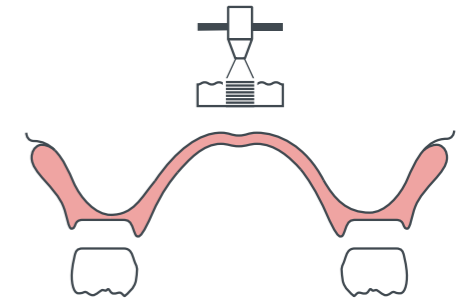
**Milled denture base and milled denture teeth**
Create the teeth in a bridge structure using the unique design workflow described above. Teeth can also be designed individually.

You can then mill the parts and simply glue them together.
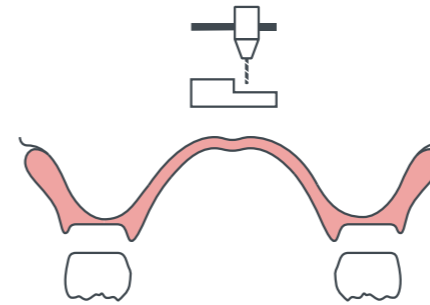
**Milled base with glued-in teeth with basal reduction**
Glue in premanufactured teeth, while allowing them to penetrate the base if needed. Perform basal reduction after gluing where required.
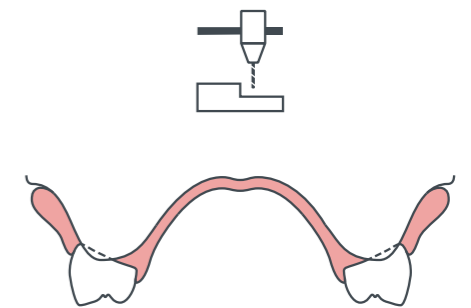
Premanufactured teeth and Injection molding the base
Print the denture base and teeth as one mono-block. Based on that create a mold in which you can insert the premanufactured teeth used in the design. As the final step of the process, inject denture base acrylic in the mold to complete the denture

The mono-block can also be used as a try-in or even as an immediate denture.
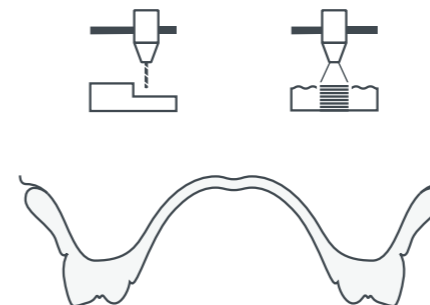
Coming Easy and highly productive splint design

3Shape brings you a completely new splint design software that allows labs to easily produce Splints, Night Guards, Protectors and similar dental appliances with a few clicks. Efficient digital design and manufacturing of splints gives labs an attractive opportunity to add a new offering with high profitability.

Easy and highly productive design workflows
Just set the line on your model and let the software design a splint matched to the specific case.

Automatically adapts to the correct surface
Raise the bite automatically according to the selected thickness. Then adapt the design to the jaw excursions and desired contacts.

Design all types of splints
Create bite splints, night guards and repositioning splints.

Directly mill or 3D print
The splint design is automatically prepared and optimized for the selected manufacturing machine.

# Stay ahead with expert training videos and knowledge channels

3Shape provides a variety of training options to help you get the most out of your CAD/CAM solution regardless of your experience level. The 3Shape Academy is driven by dental technicians and technology experts providing a continuous flow of beneficial knowledge, detailed instructions, tips and tricks.

▶ YouTube Youtube.com/3Shape
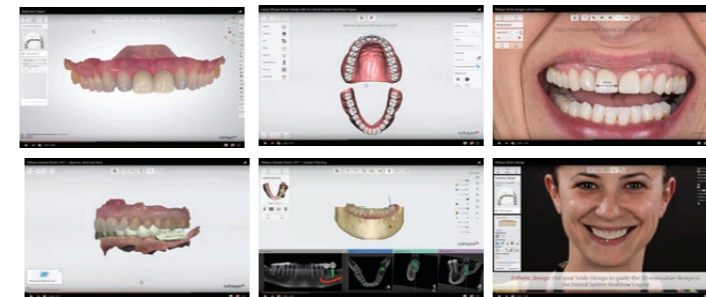
Training videos for all key workflows
Open training video library and extensive user guides for both beginners and advanced users covering design workflows, system and scanner configuration, tips and tricks. Access on YouTube or 3Shape Dental System's download center.
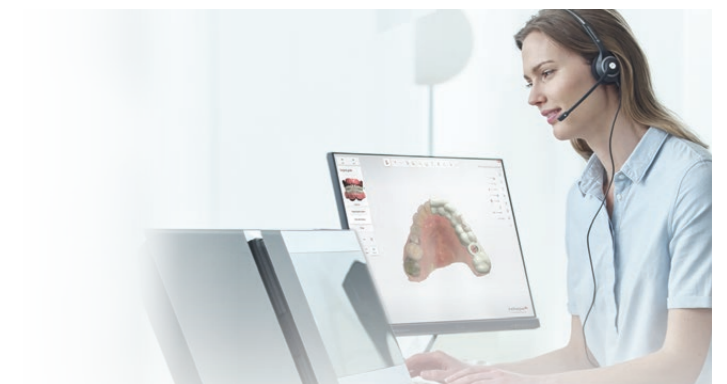
Face-to-face training opportunities
With LabCare, users get access to local hands-on training by 3Shape experts, 3Shape training courses at selected events and 3Shape centers, and free on-line training webinars covering a wide range of topics.

"3Shape offers great training opportunity, and the online training videos that we can access anytime, day or night, are a huge benefit"

John Zedan
Zedan Dental Laboratory, USA

# The 3Shape ecosystem is your open door to the industry

3Shape's open eco-system ensures that your lab can take advantage of all that digital dentistry has to offer while fulfilling the specific needs of dentists and patients. 3Shape's ecosystem offers an unrivaled range of treatment workflows, extensive libraries, design service partnerships, and interfaces to virtually all manufacturing equipment and materials.

3Shape Communicate enhances partnerships and efficiency

3Shape Communicate provides an agile, visual and highly mobile way for dentists, surgeons, lab technicians and manufacturing centers to collaborate. Such easy and flexible sharing of 3D scans and designs enhances efficiency, builds relationships, and helps improve final treatment results.

80 + Implant provider

Material and milling center libraries

3rd party mills and 3D printers

Design services

3Shape integrated solutions

Import 3rd party intraoral scans

NEW Use Communicate to send cases to manufacturing centers
Any manufacturer can now set up a communicate account enabling their lab customers to easily send designs. The manufacturer receives the lab's input directly in their inbox for easy handling and manufacturing. Both lab and manufacturer can follow the case through the Communicate app and portal.
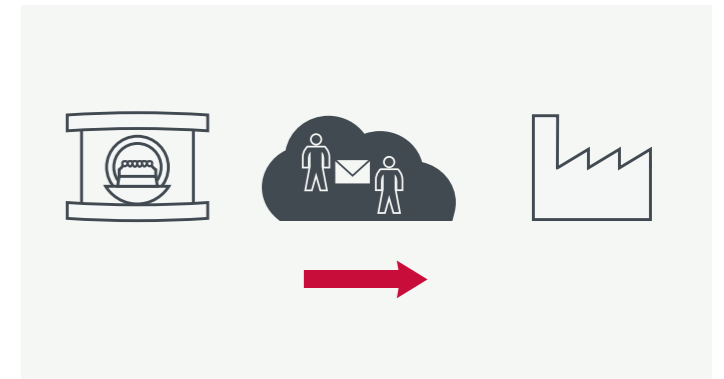
Receive cases digitally from any 3Shape TRIOS® doctor and grow your client base
When you have a 3Shape Communicate account, any dentist using TRIOS can find you in their system and send you cases. Create your Communicate account at portal.3shapecommunicate.com.

Share designs with dentists anywhere they are
Use 3Shape Communicate to share your TRIOS or gypsum-based designs with the dentist and receive immediate comments or approval. The dentists can view the designs you share on their TRIOS system, on a PC through a web browser, or using the 3Shape Communicate app for mobile devices.

26   *3Shape X1 is not FDA cleared for clinical use in US. Not released for sale in any countries globally.

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Why 3Shape?

Reliable Dental Partner

- Excellence favored by thousands of labs in over 120 countries
- 400+ developers creating leading technology to maximize profitability for labs
- Driving digital dentistry with 100+ pending patents

High Quality CAD/CAM system

- Fast scanners with documented accuracy
- Intuitive software that enables exceptional digital craftsmanship
- FDA cleared, developed according to ISO standards and Red Dot recognized

A solution for every need and budget

- Largest suite of scanners
- Unrivalled integration with TRIOS and third-party IOS, mills and 3D printers
- Widest range of treatment workflows

About 3Shape

3Shape is changing dentistry together with dental professionals across the world by developing innovations that provide superior dental care for patients. Our portfolio of 3D scanners and CAD/CAM software solutions for the dental industry includes the multiple award-winning 3Shape TRIOS intraoral scanner, the upcoming 3Shape X1 CBCT scanner, and market leading scanning and design software solutions for dental labs.

Two graduate students founded 3Shape in Denmark's capital in the year 2000. Today, 3Shape has over 1,200 employees serving customers in over 100 countries from an ever-growing number of 3Shape offices around the world. 3Shape's products and innovations continue to challenge traditional methods, enabling dental professionals to treat more patients more effectively.

Let's change dentistry together

Contact your reseller regarding availability
of 3Shape products in your region

3shape