

3shape 

## 3Shape TRIOS<sup>®</sup>

Digital Impression Solution

Moving the world of dentistry



Technology designed the way you work

3Shape TRIOS®

# Next-generation digital impressions

3Shape is a technology leader in CAD/CAM for dental labs and our dedication to digital dentistry is unlimited. We now leverage our proven technologies to bring you TRIOS® - an intraoral digital impression solution for clinics that gives dentists better impressions, happier patients, more time, and a glowing practice.

// Impression taking is easier, faster and better with TRIOS®

Dr. Jan Bjerg Andersen

Just Smile Dental Clinic, Copenhagen



## Moving towards full digital dentistry

Digital impression-taking is rapidly becoming the standard in dental clinics all over the world. Digital technologies efficiently deal with even complex clinical situations and provide consistent, high quality restoration results.

## Taking impressions to the next level

3Shape's Ultrafast Optical Sectioning™ technology represents the next-generation of digital impression-taking. 3Shape TRIOS® unique features include spray-free scanning, high accuracy optimized for an extensive range of indications, clinical scan validation, online communication with the lab, intuitive Smart-Touch user interfacing and more.

## Not just a scanner, a complete solution

TRIOS® scans allow dentists to work with the lab of their choice and enjoy a wide range of dental indications, lab technician expertise, and a flexible choice of materials. TRIOS® is designed to let dentists focus on treating patients and providing best quality restorations.

## Digital Impression Taking

# It all starts with a good impression

Getting an accurate restoration through conventional impression-taking can be challenging. Inconsistent quality of the impression too often leads to retakes, low clinical and esthetic results, and increased need for adjustments during seating. Digital impression solutions solve many problems by providing accurate impressions from the start.

### Better clinical results

Digital impressions improve clinical results and reduce the need for late restoration adjustments. On-screen visualization allows the dentist to make modifications as they scan and easily obtain an optimal impression the first time.

### Preferred by patients

With digital impression taking, the patient experiences impression capture that is both faster and more comfortable. Patients' complaints and discomforts related to massive materials in the mouth, long setting times, irritation, and gag reflex problems will disappear overnight.

## General benefits of digital impression taking

### Dentists

- Less adjustment and grinding during seating
- Improved accuracy and clinical results
- Faster than traditional impression taking
- Reduced need for retakes
- No impression materials and mess
- Cost savings related to materials and shipping
- Opens possibility for Model-free crowns

### Patients

- Quick and comfortable experience
- Better restoration fits and minimal grinding
- Improved clinical results
- Reduced number of appointments due to fewer retakes
- Reduced over-all chair-time





# TRIOS makes impression-taking less stressful”

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## TRIOS® - next-generation digital impressions

While the benefits of digital impression taking are clear, many of today's digital impression solutions do not deliver. That is why we made TRIOS® - because 3Shape's next-generation

technologies open new doors for a solution that is very fast, highly accurate and extremely easy-to-use.

## 3Shape TRIOS® gives you even more

### 3Shape TRIOS®

- Spray- and powder-free for optimal accuracy and patient comfort
- Ultrafast Optical Sectioning™ technology for high speed
- Accurate scanning with up to 1000 3D pictures for true geometries
- Easy to use with complete motion and positioning freedom
- Smart-Touch screen with live 3D visualization
- Less stressful impression-taking
- Wide range of dental indications
- Instant impression validation
- Online communication with the lab
- Reduced overall turn-around time

## Save time, see more patients

### Traditional Impression



### Conventional Digital Impression



### 3Shape TRIOS®



# 3Shape TRIOS® - Ultrafast Optical Sectioning™ Technology

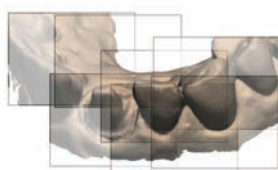
## Designed to make a difference for your practice

3Shape's Ultrafast Optical Sectioning™ technology enables dentists to rapidly and easily achieve accurate scans with minimum discomfort for the patient.



### **Spray- and powder-free for optimal accuracy and comfort**

Unlike most other scanners, 3Shape TRIOS® is a no-spray solution, because spraying is technique demanding, can ruin scan accuracy, is uncomfortable for patients and prolongs chair-time.



### **Up to 1000 3D pictures for true geometries**

Combining hundreds or thousands of 3D pictures to create the final 3D digital impression based on real data rather than interpolated artificial surfaces.



### **Designed for high-speed impression capture**

3Shape's Ultrafast Optical Sectioning™ technology captures more than 3000 2D images per second - 100 times faster than conventional video cameras.



### **Scanning has never been easier**

No need to hold the scanner at a specific distance or angle for focus. Dentists or assistants can even rest the scanner on the teeth for support as they scan.

### **Autoclaveable scanner tip**

Achieve optimal hygiene and meet clinical requirements with tips that can be sterilized in the autoclave. Easy to flip the tip for scanning of upper and lower jaw.

### **Ergonomic grip for perfect control**

Designed for maximum support and stability as you scan. Tested and chosen by dentists.



### Live 3D visualization

View the digital impression being built during scanning.

### Sleek design

Optimize the patient's experience and enhance the image of your clinic.

### Mobility and Wi-Fi

Cart designed for easy movement between treatment rooms including wireless connectivity.

### Easy-to-use touch screen

Smart-Touch intuitive user-functionality without cumbersome keyboard or mouse operation.

### Unique motion sensor interface

Like a gaming-controller, use the hand-held to virtually rotate and turn the digital impression.

### Easy-to-clean

Smooth and flat surfaces for fast and effective cleaning.

## 3Shape TRIOS® - A complete solution

# Smooth and easy digital workflow

3Shape TRIOS® is not just about impression-taking. TRIOS® digitizes time-consuming manual steps and realizes a full digital workflow - starting from the patient's visit in the clinic, and ending with the patient's completed treatment.





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the best of both worlds  
- lab expertise, material  
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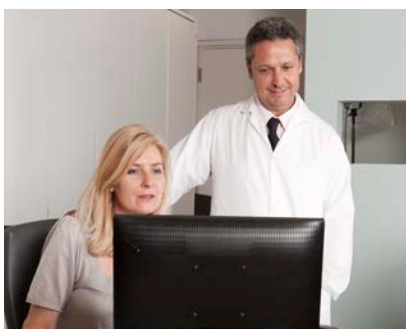
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# Impression-taking has never been easier

TRIOS® contains a broad array of smart tools that make it easier than ever before to manage cases, validate impressions, and work efficiently with the lab. TRIOS® gives you full control and removes the stress-factor from impression taking.



Full palatal scan (clinical case)



### Empower your clinic's administrative workflows

Use the TRIOS® client solution or selected practice-management systems for seamless 2-way data-exchange between TRIOS® and your administration.

- The TRIOS® client solution provides access to all cases from any PC in the clinic.
- Secretaries can prepare TRIOS® orders from their desk.
- Load patient information from selected practice management systems and store scans directly in the patient record.

### Intelligent and customizable order forms

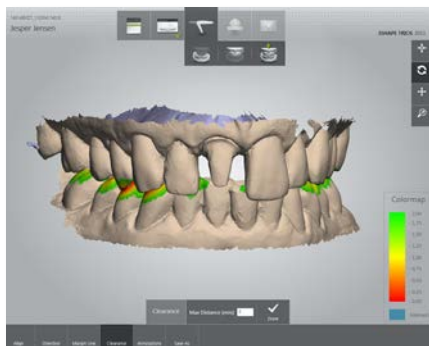
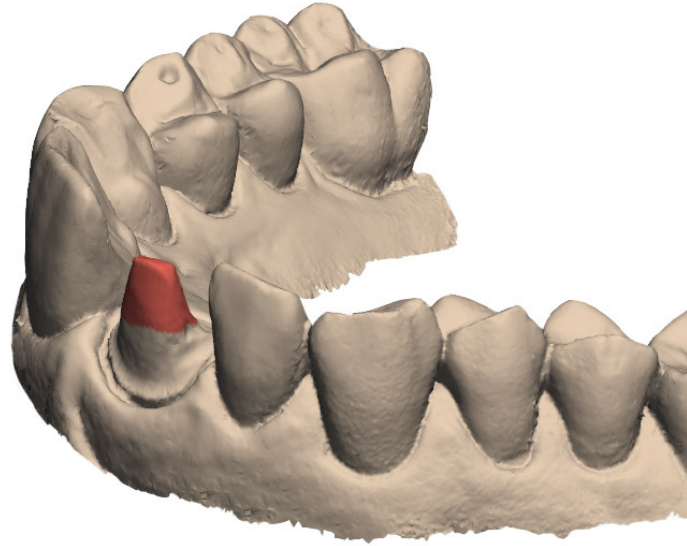
A TRIOS® order form is a dynamic case-information tool that makes it fast and easy to create new orders, attach 2D images, and convey all case-aspects to the lab.

- Completely eliminate conventional paper order forms.
- Mark detailed tooth color information directly on an illustration of the tooth.
- Customizable Order Forms matched to a specific lab's unique offerings.

# Smart Edit Scan Tools - never redo an impression

TRIOS® lets you edit your scans and easily rescan specific areas instead of starting over when initial results are less than perfect.

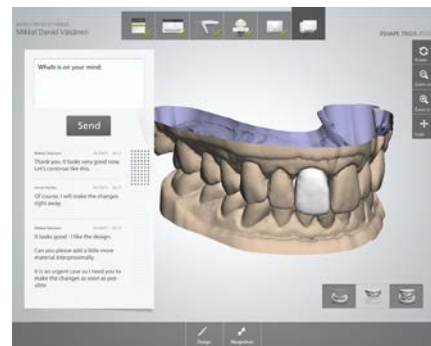
- To recapture specific areas, simply delete the area from the scan and rescan only the relevant region.
- Easily remove areas scanned unintentionally, such as the patient's chin or the dentist's finger.
- Maintain continuous control during scanning with the Undo/Redo functions.



## Instant Clinical Validation

TRIOS®' built-in tools for Clinical Validation will ensure the high quality of the impression and your tooth preparation while the patient is still in the chair.

- Occlusal Clearance tool measures distance to ensure adequate space for the particular restoration.
- Insertion Direction tool controls prepared teeth for convergence/divergence .
- Rotate and zoom to validate impression quality and add 3D comments for the lab.



## Easily communicate with your lab

3Shape Communicate™ is integrated in your TRIOS® solution to provide immediate and efficient communication with your lab. 3Shape Communicate™ lets you ...

- Explore your lab's design and margin line proposals in 3D and send back comments.
- Discuss virtual diagnostic wax-ups with the lab or with your patients.
- Communicate when convenient – access your account directly from your TRIOS® cart, PC or tablet.

## 3Shape TRIOS® - Wide range of indications

# Implant impressions made easy



Conventional implant impression-taking is cumbersome, time consuming, and prone to errors if not done very carefully. TRIOS® enables you to capture both implant positions and soft-tissue in a straightforward workflow.

- Easily capture single implant positions using validated scan-bodies.
- Improve final esthetics by adding a scan of the soft tissue emergence profile.
- Use with validated autoclavable scan-bodies supporting a wide range of implant systems.



### Patients try the final restoration as a temporary

Send your lab pre-preparation digital impressions and get back cost-efficient temporaries and diagnostic wax-ups in highly esthetic designs.

- Get temporaries that are prepared in the shape of the final crown in a fully digital and model-free workflow.
- Apply diagnostic wax-ups for treatment planning and for visualization of expected results for your patients.
- Reuse pre-prep scan and capture only the preparation area for the final restoration.

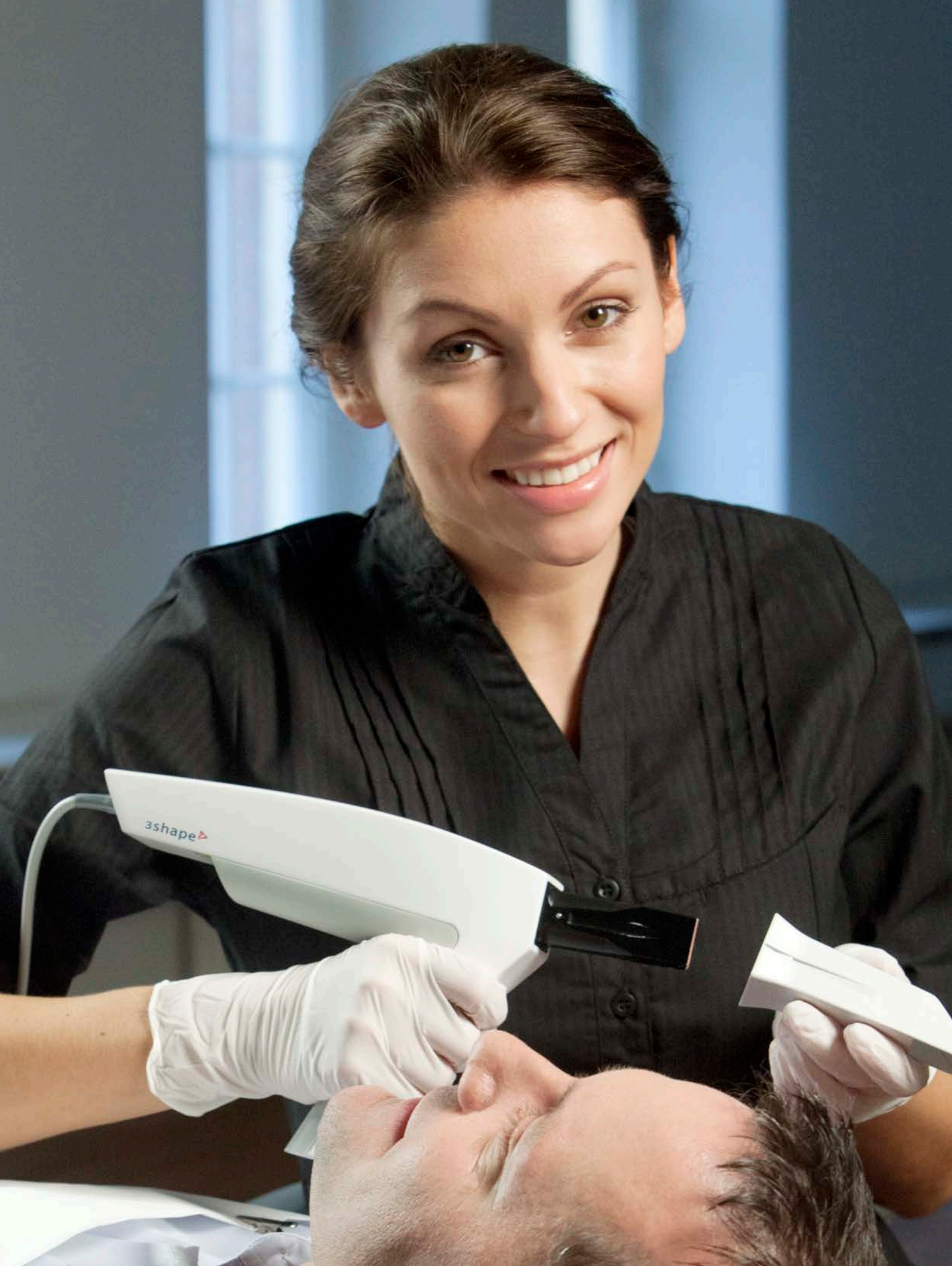


### Crowns and bridges in any material

TRIOS® allows an extensive range of indications in any material. Get better quality crowns and spend less time on grinding and making final adjustments.

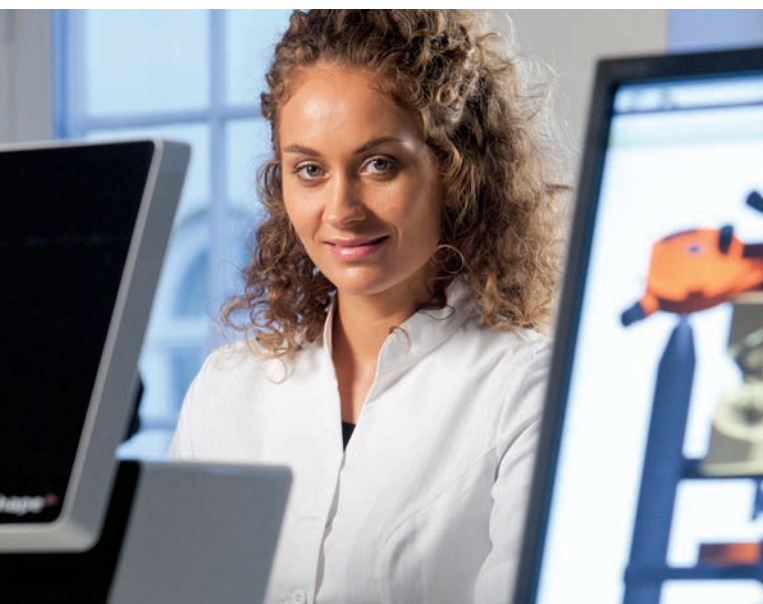
- Support for crowns, bridges, inlays, onlays, and veneers with sub-gingival preparation.
- Get highly competitive crowns through a fully digital and model-free workflow.
- 3Shape's unique Virtual Articulator in the lab enables optimal dynamic occlusion.





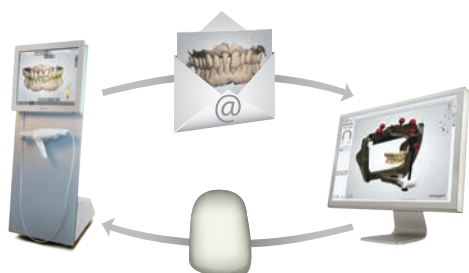
## 3Shape TRIOS® - Moving the world of Dentistry

# A solution that expands your possibilities



TRIOS® is a solution that optimizes existing clinic-lab collaboration and workflows. TRIOS® connects to labs running 3Shape - the world's most widespread system, and opens your doors to technician expertise, the full range of materials, special services, and advanced indications from the market's most powerful CAD/CAM system.

Here are some of your possibilities ...



### Turn-around times like never before

Unlike with many other digital impression systems, labs can receive TRIOS® impressions minutes after scanning and immediately start designing the model and restoration.

- Work with either 3Shape labs or any other lab with an open CAD system and TRIOS® Inbox\*.
- Creates compact files of few MB without losing quality for sending as fast as normal emails.
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### Flexible Lab-Model Options

TRIOS® allows dentists and labs to choose freely among both model types and model providers. Get models that optimally match the patient case while reducing turnaround times and costs.

- Shop around for the best and most cost-efficient model service providers.
- Free choice between manufacturing methods – milling, 3D printing, color and materials.
- TRIOS® and 3Shape labs offer support for fully functional Implant models.

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3Shape has firmly established its position as a leading industry pacesetter for breakthrough developments in 3D scanners and CAD/CAM technologies. More than 280 employees and over 120 developers work daily to bring 3Shape's innovative solutions to dental professionals worldwide. With TRIOS®, 3Shape now brings its vast expertise and innovation power directly to dentists. 3Shape is a global company and its offices span the world with presence in Europe, Asia and the Americas.

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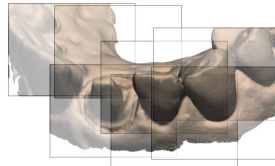
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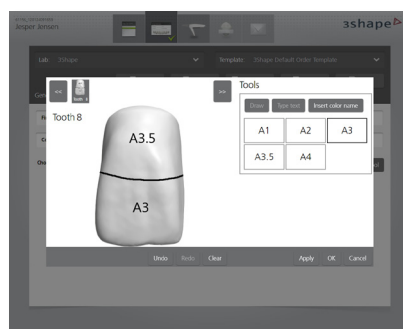
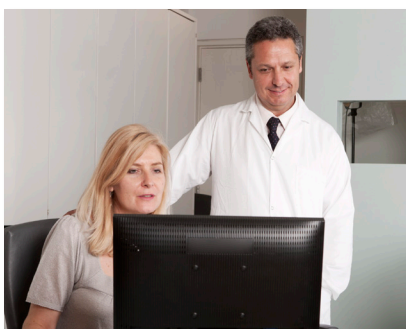
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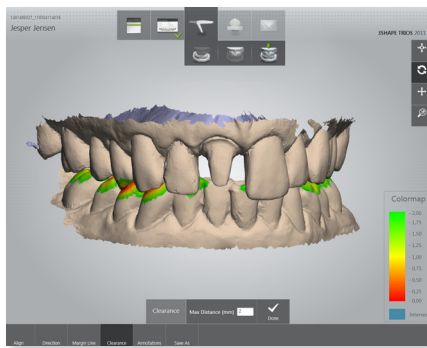
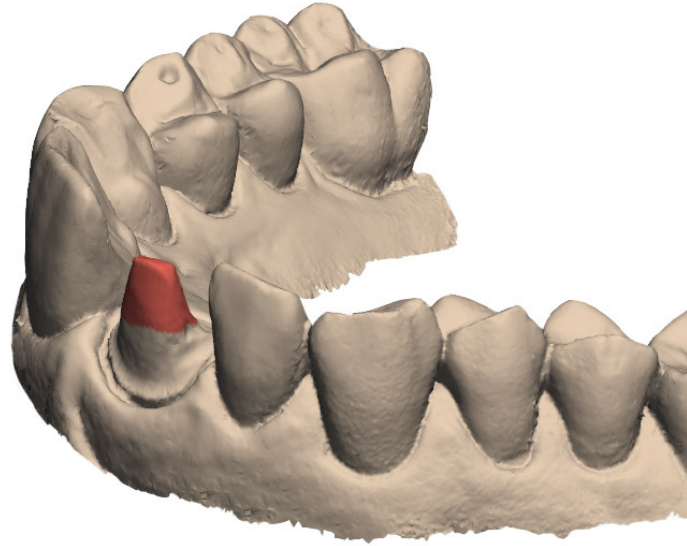
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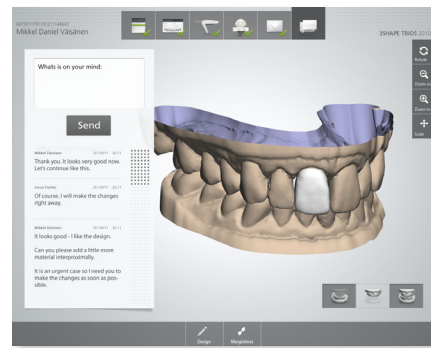
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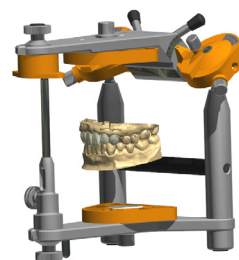
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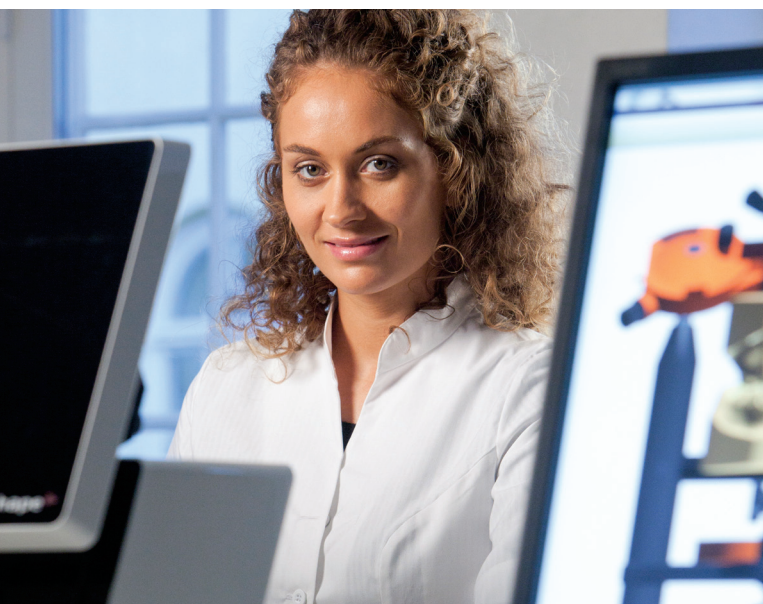






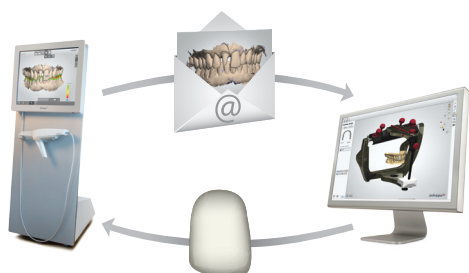
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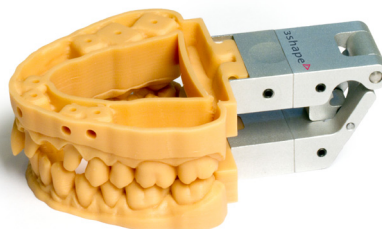
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