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3shape 

3Shape TRIOS[®]

Digital Impression Solution

Moving the world of dentistry



Technology designed the way you work

“ *Impression taking is easier, faster and better with TRIOS* ”

Dr. Jan Bjerg Andersen
Just Smile Dental Clinic, Copenhagen



3Shape TRIOS®

Next-generation digital impressions

3Shape is a technology leader in dental CAD/CAM for 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 more time, more profits, happier patients and a glowing practice.

Moving towards full digital dentistry

As with X-rays, 3Shape believes that all impression-taking will soon be completely digital. 3Shape TRIOS is designed to help dentists join the new era of digital dentistry. Digitalization of dentistry is being driven “fast-forward”, propelled by continuously advanced technologies that deal with even complex clinical situations and support high quality restorations.

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

3Shape TRIOS® is solution that builds on, optimizes and digitalizes existing clinics-lab workflows. Open scans allow dentists to work with the lab of their choice and thus continue to enjoy the full range of dental indications, lab technician expertise and manufacturing know-how. TRIOS® is designed to give dentists best quality restorations and treat more patients rather than spending time and money on chair-side milling.

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 provide optimal accuracy, improve clinical results and reduce the need for restoration adjustments. No more disfiguring or bubbles as with traditional impressions and no need for retakes. On-screen visualization allows the dentist to make adjustments as they scan and get an optimal impression the first time. Additional benefits are faster turnaround times and cost-savings related to materials and shipping.

Preferred by patients

With digital impression-taking, the patient experiences impression capture that is both faster and more comfortable. Patient's complaints and discomforts related to massive materials in the mouth, long setting times, irritation and gag reflex problems will disappear overnight. The superior accuracy of digital impressions ensures better restoration fits with minimum adjustments and grinding while reducing over-all chair-time.

TRIOS® – next-generation impressions

While the benefits of digital impression taking are clear, many of today's digital impression solutions do not deliver. That's why we made TRIOS® - because 3Shape's next-generation technologies open new doors for a solution that is very fast, highly accurate and easy-to-use. TRIOS® is a no-spray solution and the scanner does not need to be held at special distances or angles. TRIOS® includes online communication for real-time feedback from the lab and is optimized to handle an extensive range of dental indications.

The benefits of digital impression taking

Dentists

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

Patients

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



3Shape TRIOS® gives you even more

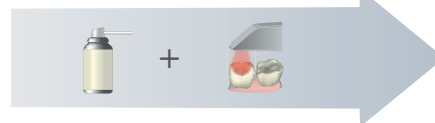
- Spray-free for optimal accuracy and patient comfort
- Ultrafast Optical Sectioning™ technology
- Up to 1000 3D pictures for true geometries
- Complete motion and positioning freedom
- Smart-Touch screen with live 3D visualization
- Open scans – work with any lab partner
- Extensive range of dental indications
- Instant impression validation, online restoration review

Save time, see more patients

Traditional Impression



Conventional Digital Impression



3Shape TRIOS®



Half arch impression ~ 25 sec

Full arch impression < 2 min

3Shape TRIOS® - Ultrafast Optical Sectioning™ Technology

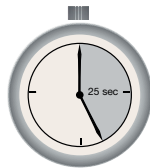
Designed to make a difference for your practice

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



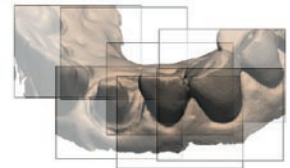
Spray-free for optimal accuracy and comfort

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.



25 seconds for a quadrant impression

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



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.



Complete motion and positioning freedom

No need to hold the scanner at a specific distance or angle for focus, and dentists can rest the scanner on the teeth for support as they scan.

Autoclaveable scanner tip

Get optimal clinical hygiene and efficiency. The tip can be sterilized in an Autoclave while you use a clean tip for the next patient.

Ergonomic grip

For maximum support and stability as you scan.



Live 3D visualization

View the digital impression being built during scanning.

Easy-to-use touch screen

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

Sleek design

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

Unique motion sensor interface

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

Easy-to-clean

Smooth and flat surfaces for fast and effective cleaning.

Rechargeable battery

Convenient and free-mobility for moving the cart from one operatory to the other without powering down and restarting.

Wi-Fi

Wireless network connection for cable-free mobility.

3Shape TRIOS® - a complete solution

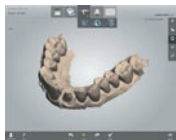
See more patients in less time

3Shape TRIOS® is not just about impression-taking. TRIOS® is a full and comprehensive digital solution starting from the patient's visit in the clinic, and ending with the patient's completed treatment.



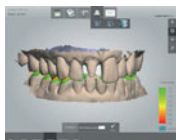
1. Order creation as you know it – just digital

The order can be created directly on the touch screen or remotely from the secretary's computer. Digital order forms can be configured by the lab.



2. Fast scanning workflow with 3D real-time visualization

No time consuming and patient uncomfortable spraying is required. Capture a half arch in approximately 25 seconds and a full arch in under 2 minutes. Scan Upper & Lower and TRIOS® will align to perfect occlusion.



3. Instant Clinical Validation of impression

Deliver the optimal impression the first time by applying tools for preparation validation, occlusal space control and measurements. Attach 3D comments to the digital impression directly visible for the lab.



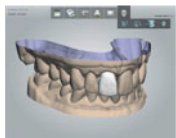
4. Upload the digital impression to the Lab with a single click

No more handling, packing and shipping costs as with conventional impressions. Unlike many other digital impressions systems, labs can receive TRIOS® scans directly providing instant availability for design. Your clinic can work with either 3Shape labs - the world's largest install-base, or any other lab with a compliant CAD system.



5. Expert CAD design and CAM manufacturing at the lab

The TRIOS® solution is optimized to support the full range of dental indications. Dentists can enjoy lab technician and manufacturing expertise, get high quality restorations and treat more patients rather than spending time and money on chair-side milling.



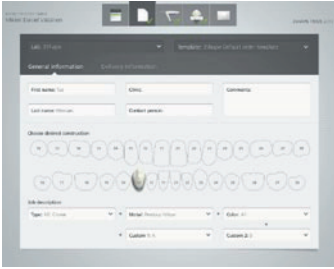
6. Preview lab designs on-line

Direct on-screen communication with the lab enables dentists to view the restoration in 3D, agree on margin lines, access virtual diagnostic wax-ups and discuss cases with labs and patients - when convenient.

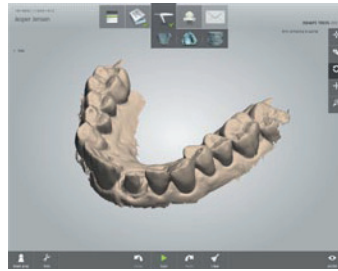


7. Seat restorations with minimal adjustments

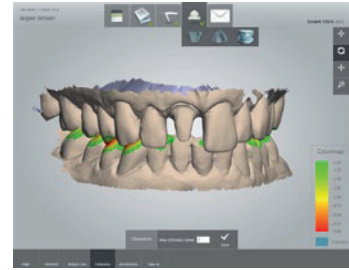
Accurate TRIOS® impressions save valuable time, too often spent on grinding and adjustments for improving restoration fit. The TRIOS® solution shortens the total chair-time required for seating restorations.



1, Order Creation



2. Scanning



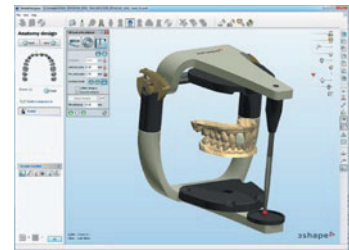
3. Clinical Validation

“ With TRIOS I get great services from the lab and make more profits by treating patients rather than spending time and money on milling crowns in my clinic.”

Dr. Jan Bjerg Andersen
Just Smile Dental Clinic, Copenhagen



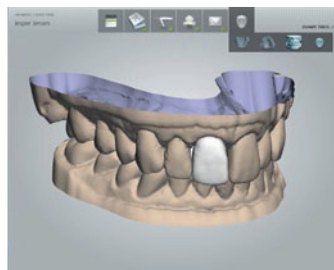
4. Upload Digital Impression



5. CAD Design and Manufacturing



7. Seat Restoration



6. Preview Design



3Shape TRIOS®

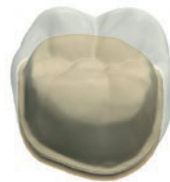
A solution that expands your possibilities

Many existing digital impression-taking solutions support a limited range of indications, covering only a small portion of patient cases. 3Shape TRIOS® provides optimized scanning for an extensive range of dental indications including inlays/onlays, crowns (with subgingival preparations), bridges, temporaries, diagnostic waxups, veneers, implant cases, and more.



Chair-integration

3Shape TRIOS® comes in a wide range of clinical configurations. Besides the standard TRIOS® mobile cart, TRIOS® is additionally available in chair-integrated solutions.



Digital Temporaries & Virtual diagnostic wax-ups

TRIOS® supports highly accurate preparation impressions, enabling your 3Shape lab to create cost-efficient temporaries and diagnostic wax-ups without pouring a model. Dentists and patients can view virtual diagnostic wax-ups, including patient face image overlays, directly on the TRIOS® screen.



High quality lab models

TRIOS® impressions can be used directly to create high quality lab models at your 3Shape lab. The digital workflow significantly reduces turn-around time and gets the restoration back to the clinic faster.

3Shape has firmly established its position as the leading industry pacesetter for breakthrough developments in 3D scanners and CAD/CAM technologies. More than 200 employees and over 100 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 Western Europe, Eastern Europe, Asia and the Americas.

www.3shapedental.com

Technology designed the way you work

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