

3shape 

# TRIOS<sup>®</sup>

Digital Impression Solution

**Color** Digital Impressions

**Shade** Measurement

**HD** Photos



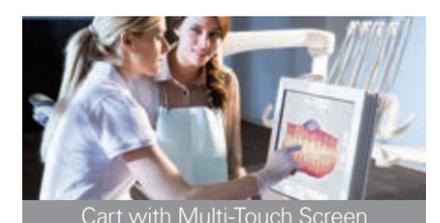
Technology designed the way you work

## Digital color impressions, Shade measurement, and HD photos all in one

TRIOS® is much more than a scanner. TRIOS® is a multifunctional digital tool for dentists that creates 3D digital impressions, measures color shades of teeth, and takes intraoral HD photos for case documentation. And all of this case information immediately goes to the dental technician for designing and manufacturing restorations of the highest quality and fit.

More and more dentists are using digital impression taking systems because the new technology provides easy impression taking, digital accuracy, increased patient satisfaction, with a rapid return on investment. 3Shape TRIOS® gives you even more.

### New in TRIOS®



“ The 3Shape TRIOS® has become an essential “provider” in our practice that enables us to treat more patients with a much more efficient workflow. Doctors, staff and patients love it! ”

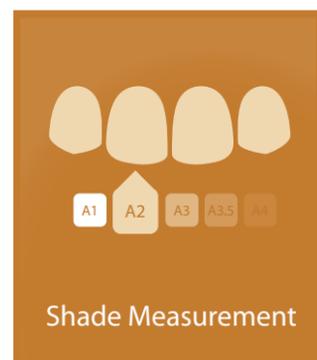
*Jonathan L. Ferencz DDS,  
Diplomate American Board of Prosthodontics,  
Madison Ave. New York*

## More than an impression

Getting an accurate restoration through conventional impression taking can be challenging. Inconsistent quality of the impression too often leads to retakes, inferior clinical and esthetic results, and increased need for adjustments during seating.

The TRIOS® digital impression solution solves many such problems by providing accurate impressions from the start while additionally giving dentists all the advantages of modern digital technologies. Now you can also measure the color shades of teeth while you scan and take HD photos for instant case documentation and patient discussions.

TRIOS® saves time and provides a better experience – for you and for your patients.



## TRIOS® benefits for dentists and patients

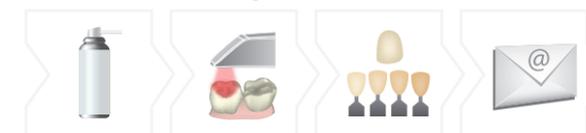
Dentists	Patients
<b>Clinical results</b> <ul style="list-style-type: none"> <li>• High digital impression accuracy for high quality restoration fit</li> <li>• HD photos, instant preparation and impression validation</li> <li>• Reduced adjustment and grinding during seating</li> </ul> <b>Easy impression taking</b> <ul style="list-style-type: none"> <li>• Powder-free scanning</li> <li>• No impression materials and mess</li> <li>• Never retake an impression</li> </ul> <b>Efficiency &amp; business benefits</b> <ul style="list-style-type: none"> <li>• Faster impression taking, instant shade measurement, and reduced chair time</li> <li>• Save materials and shipping costs</li> <li>• Possibility to reduce costs with model-free crowns</li> <li>• Interactive online communication</li> </ul>	<b>Better experience</b> <ul style="list-style-type: none"> <li>• Quick with no discomfort caused by impression materials</li> <li>• Extra comfortable with powder-free scanning</li> </ul> <b>Increased satisfaction</b> <ul style="list-style-type: none"> <li>• High quality restoration fits and minimal grinding</li> <li>• High quality clinical results</li> </ul> <b>More convenience</b> <ul style="list-style-type: none"> <li>• Reduce number of appointments due to fewer retakes</li> <li>• Reduced overall chair time</li> </ul>

## Save time, see more patients

### Traditional Impression



### Conventional Digital Impression



### 3Shape TRIOS®



## TRIOS® reinvents impression taking

TRIOS® has been boosted with new technologies that make it even easier and faster for dentists to treat their patients. TRIOS® now includes digital impression taking, teeth shade measurement and a high definition camera - all packed into a single handheld device.

Clinics can choose between a TRIOS® Color, or a TRIOS® Standard solution and each comes in various configurations to match your clinic's needs.



### **NEW** RealColor™ scans – simply a better experience

Scanning in natural colors with TRIOS® Color provides a realistic scan experience that is simply not possible with black and white scans. New enhanced colors let you easily identify true preparation margins and better evaluate the clinical situation.

### **NEW** Shade Measurement as you scan

TRIOS® Color automatically measures the teeth shades as you scan. The dentist has the option to evaluate and highlight relevant areas for the lab. The complete shade information is sent to the lab together with the impression.

### **NEW** HD photos for instant case images

Take high definition photos as you scan for case documentation and communicating with patients. Your HD photos are automatically packaged and sent with the digital impression.

### Automatic soft tissue removal for smooth scan experience

TRIOS® automatically detects unwanted objects such as tongue, cheek, lips, and removes these from the digital impression in real time.

### **NEW** Enhanced detail capture

The TRIOS® software has been optimized to provide more details in the scan, particularly around the margin line, making it easy to determine and place the margin line more accurately.

### Scanning has never been easier

Easily move along the teeth as the scanner captures the impression in real time. Scanning is easy for both dentist and dental assistant.

### Powder-free for optimal accuracy and comfort

Applying powder is technique demanding, can ruin scan accuracy, is uncomfortable for patients and prolongs chair time.

## The Classic – TRIOS® Cart

New Slim Design



### **NEW** Easy-to-use Multi-Touch Screen

Smart Multi-Touch screen lets you zoom, move, and spin with your fingers, just like with a smartphone - without cumbersome trackball, or mouse operation. Optimized for operation with gloves.

### Live 3D visualization

View the digital impression being built on your PC's screen during scanning.

### Integrated Training Center and Remote Support

Update your skills with the latest videos and tutorials. Connect directly to TRIOS® support experts while sharing your screen.

### Unique motion sensor interface

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

### Flexible connectivity with Wi-Fi, Bluetooth and USB

Move the cart anywhere in the clinic while staying online. Connect to 3<sup>rd</sup> party devices such as wireless keyboards or cameras.

## The Mobile – TRIOS® Pod



### Extreme mobility

The light and handy Pod solution is easy to share among treatment rooms or different locations.

### Small footprint

The compact TRIOS® Pod can be placed anywhere in the treatment room or even in rooms where space is very limited.

### Connect to your laptop or PC

Use the Pod with your laptop or the PC in your treatment room\*. Simply connect to the USB port and start scanning.

*\*Use with approved PCs*



## The Integrated - TRIOS® Chair integration

**NEW** Build TRIOS® into your chair configuration

The TRIOS® chair integration kit lets you easily make TRIOS® a natural part of your standard chair-mounted equipment, saving space and achieving an optimal work experience.

**Connect to any display**

Control and view all scan activity on the chair monitor or any other display in the treatment room. You can also stream wirelessly to a handheld or chair-mounted iPad or other tablet.

“ The natural colors produced by the TRIOS® are remarkably lifelike. This allows me to easily mark margins and discuss treatment options with my patients. ”

*Dr. Franklin Shull*  
Restorative Dentist  
Columbia, SC United States

### Choose the optimal TRIOS® solution for your clinic

Configuration	TRIOS® Cart		TRIOS® Pod		TRIOS® Chair Integration	
	Color	Standard	Color	Standard	Color	Standard
Description	The TRIOS® system in a timeless design that enhances the image of your clinic.		Mobility and flexibility for dentists working in multiple locations or for clinics with limited space.		Integrate TRIOS® into the chair. Control and view all scan activity on a chair-mounted iPad or other displays	
Color impressions	✓	-	✓	-	✓	-
Shade measurement	✓	-	✓	-	✓	-
HD photos		✓		✓		✓
Multi-touch screen		✓		monitor dependent		monitor dependent
Laptop connectivity		-		✓		✓
WiFi & Bluetooth		✓		✓		✓
Autoclavable tip		✓		✓		✓
3Shape CLINicare package		✓		✓		✓

## Open and flexible solution for any lab setup

Whether you work with a dental lab or an in-house practice lab – TRIOS® will fit smoothly into any type of lab services arrangements you employ today or may wish to explore in the future.



## Complete digital workflows

3Shape is the leading provider of dental CAD design software, realizing complete digital workflows using the TRIOS® digital impression, a wide range of indications, open design output and optimized integration to a wide range of manufacturing machines.



## Get the broadest range of indications

TRIOS® supports the broadest range of dental indications giving clinics options for new business models, widened opportunity, and rapid investment returns. Specially developed scan workflows deliver digital impressions that are optimally matched to dedicated CAD workflows and the intended clinical results.

TRIOS® Indications		
Crowns and bridges	✓	Crowns and bridges with sub-gingival preparations
Inlays, onlays, veneers	✓	The digital workflow provides robust and esthetic restorations
Temporaries and diagnostic waxups	✓	Take a pre-preparation scan and get temps in the shape of the final crown from the lab
Post and core	✓	Unique dual scan workflow using scan posts
Abutments	✓	Unique dual scan workflow to correctly capture the emergence profile
Implant bars and bridges	✓	Scan multiple implants in a single smooth workflow
Implant planning & surgical guides	✓	TRIOS® digital impressions used for implant planning and designing surgical guides
Removable partial dentures	✓	Full arch scanning including capture of the palatal area
Orthodontics including splints	✓	Special TRIOS® Ortho package includes the 3Shape Ortho Analyzer™ software for treatment planning and analysis

\* Please refer to the most recent TRIOS® user's guide for the latest information on validated indications.

“ TRIOS®' applications are increasing all the time. Besides crowns and inlays, we now also use it for diagnosis, case presentation for patients, temporaries, implant restorations, and removable prosthodontics. ”

*Jonathan L. Ferencz DDS,  
Diplomate American Board of Prosthodontics,  
Madison Ave. New York*





#### Get crowns and bridges in any material

Supports crowns, bridges, inlays, onlays, and veneers, all with sub-gingival preparation and in any material. TRIOS® is optimized for digital model making allowing you free choice of model type and service provider. Alternatively, get cost-efficient crowns in a complete model-free workflow i.e, without pouring a gypsum model.



#### Try the final restoration as a temporary

Send digital impressions of the unprepared teeth to your lab and get back cost-efficient temporaries in the shape of the final crown. Using 3Shape's 2D Image Overlay technology, your lab can provide virtual diagnostic wax-ups for treatment planning or visualization of expected results to share with your patients. *Patent Pending.*



#### Unique workflow for Post and Core restorations

TRIOS® is optimized for Post and Core scanning in which high accuracy and reliable depth capture are especially critical. A unique dual-scan workflow using Scan Posts ensures accurate capture of true depths and positions of the root canal. Scan Posts support selected drill supplier systems. *Patent Pending.*

#### **NEW** Abutments and implant bars made easy

Conventional implant impression taking can be cumbersome, time consuming, and prone to errors. TRIOS® lets you capture single implant positions using recommended autoclavable scan-bodies supporting a wide range of implant systems. Utilizing the dual scan workflow, dentists ensure optimal esthetics by adding a scan of the soft tissue emergence profile.



#### **NEW** Implant planning and surgical guides with 3Shape Implant Studio™ software

By combining TRIOS® digital impressions with CBCT scans, dentists achieve accurate implant planning guided by virtual crowns and can additionally design corresponding surgical guides ready for local manufacturing on 3D printers or milling machines. *Currently not for sale in the US.*



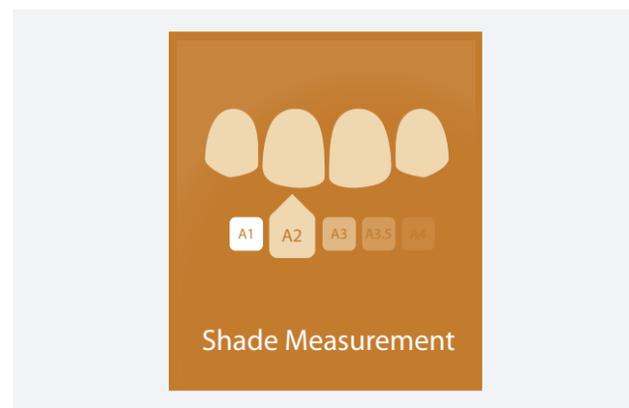
#### **NEW** Optimized scans for Removable Partial Dentures

Avoid shape inaccuracies caused by pressure on the gingiva during traditional impression taking. TRIOS® is optimized for true capture of teeth and soft tissue including the palatal rugae patterns. Get cost efficient RPDs, in metal or flexible materials, from labs using 3Shape's acclaimed RPD design software.



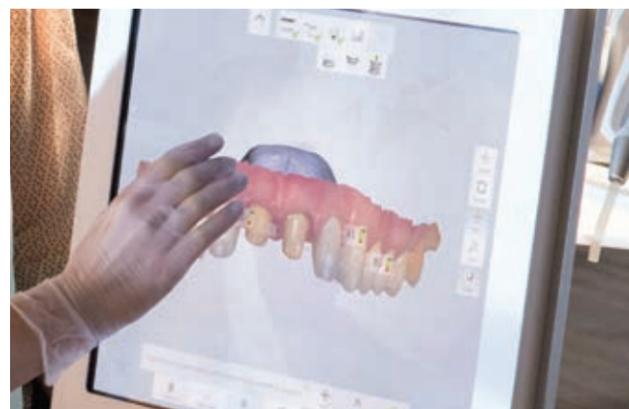
## NEW Measure shades of teeth as you scan and save time

3Shape TRIOS® now includes integrated shade measurement functionality. As you scan, TRIOS® automatically, reliably and consistently matches the various shades appearing all over the teeth surfaces, and stores all the shade values together with the digital impression.



### Capture all shade information as you scan

Omit the extra manual step that comes with visual shade taking using shade guides. With TRIOS® the teeth's shades are automatically measured and recorded as you take the digital impression.



### Instantly analyze the shades on your screen

With a single touch, you can select points on relevant teeth to highlight and analyze the shade information. The shade values can be made visible as annotations on the impression.

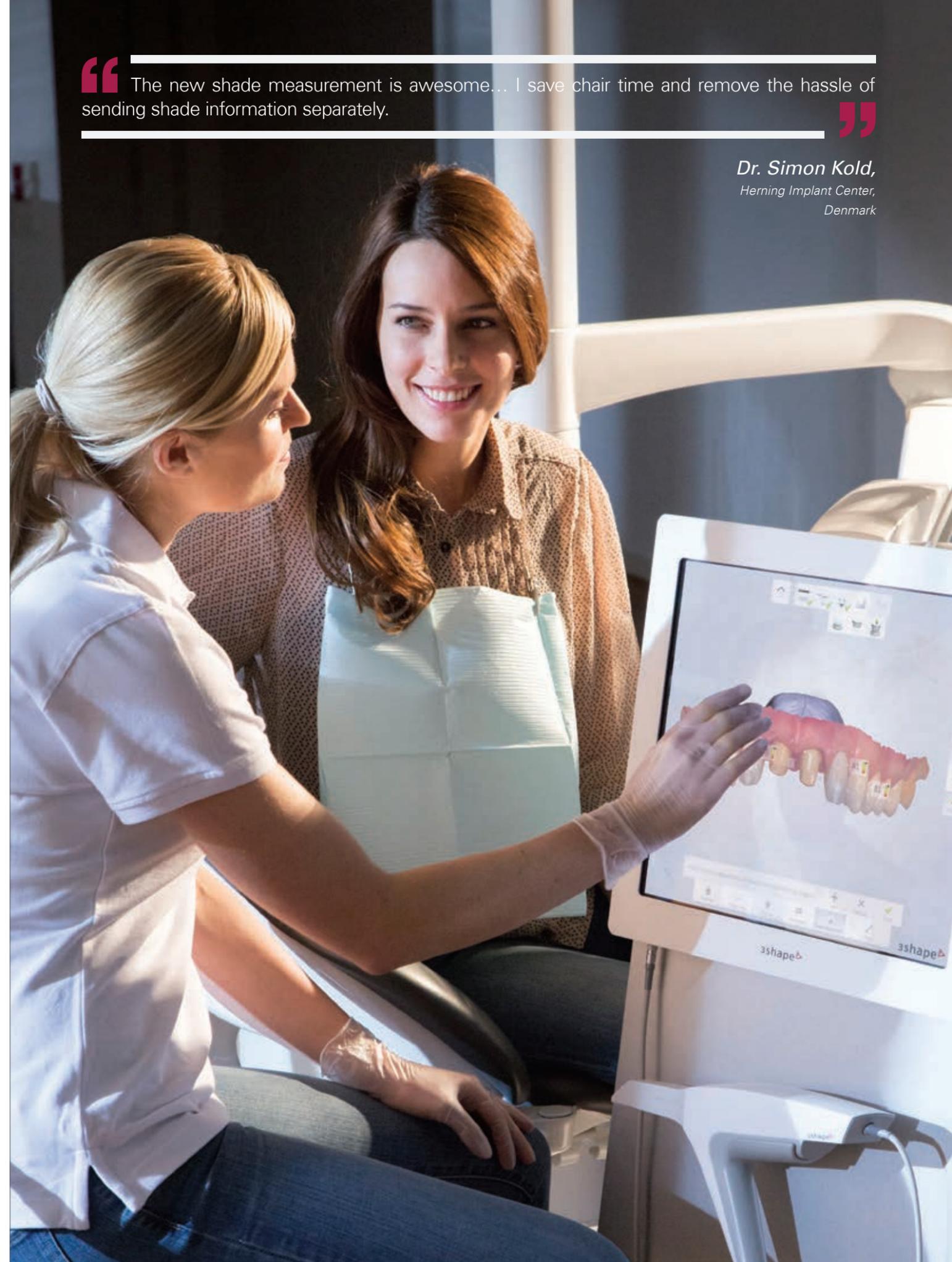


### Complete shade information ready for the lab

The complete set of shade measurements is contained within the digital impression for further analysis and use by the lab as they create the restoration.

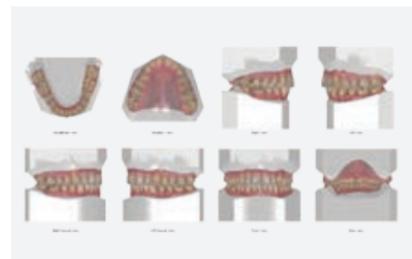
“ The new shade measurement is awesome... I save chair time and remove the hassle of sending shade information separately. ”

*Dr. Simon Kold,  
Herning Implant Center,  
Denmark*



## TRIOS® Orthodontics™ – Digital impressions and treatment planning

The digital impression completely omits the need to pour a plaster model while providing perfect input for archiving cases, producing study models, and designing digital appliances. TRIOS® for Ortho™ includes 3Shape Ortho Analyzer™ software for applying the digital impression directly in treatment simulations, virtual setups, and analyses.



### Digital archiving omits gypsum, saves costs and space

Clinics can save their study models digitally, completely omitting the need to pour a gypsum while doing away with the need for storage space, as well as manual cataloging and searching. Complete case histories become easily accessible.



### Software for treatment planning and analysis

The included Ortho Analyzer™ software lets orthodontists analyze the case digitally using tools that replicate familiar manual steps. Treatment simulation includes extractions and interproximal reductions, detailed tooth movements over time, and virtual articulation.



### Get cost efficient orthodontic appliances

Digital impressions provide perfect input for digital design and manufacturing of high quality and cost efficient appliances such as splints, night guards and protectors. Communication tools help ensure optimal clinical results and fast delivery.

“ We have a faster process. Today we spend no more than six minutes to scan the complete mouth, upper and lower jaw. ”

Dr. Santiago Isaza Penco  
Bologna, Italy



## Open new possibilities with digital impressions

Digital impressions give you many options that simply do not exist with traditional impression taking. TRIOS® contains a broad array of smart tools that make it easier than ever before to ensure high quality of both impression and preparation while the patient is still in the chair.



### Easily view, edit and rescan

The Smart-Touch screen, with its 3D rotate and zoom functionality, makes it easy to validate impression quality and add 3D comments. Edit scans and easily rescan specific areas instead of starting over.



### Add a margin line and 3D comments

As an extra option, the dentist can easily draw a margin line directly on the 3D digital impression with a finger. Upon receiving the scan, the lab will see the margin line, plus any 3D comments from the dentist, directly in their design software.

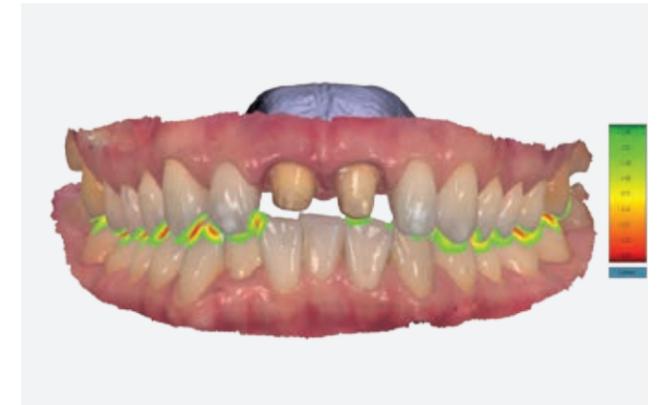


### **NEW** Take HD Photos for instant case images

Take HD Photos as you scan - for case documentation and communicating with patients. The high detail level makes it easier to place the margin line or inspect specific aspects of the case. Your HD Photos are automatically packaged with the digital impression.

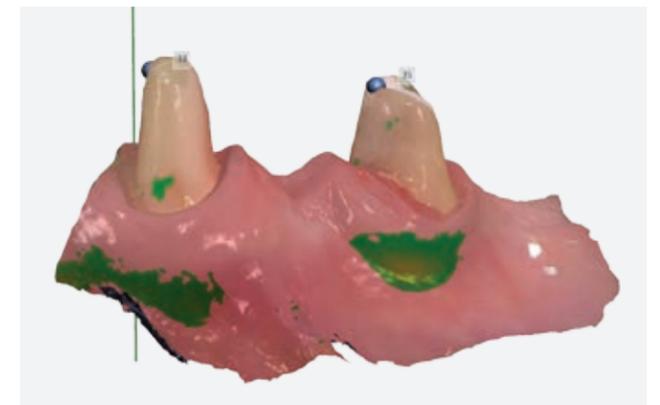
### Validate Occlusal space

TRIOS® built-in Occlusal Clearance tool measures the distance between the preparation and the antagonist while the patient is in the chair. The color codes tell the dentist if there is adequate space for the particular restoration, enabling adjustments before the impression is sent to the lab.



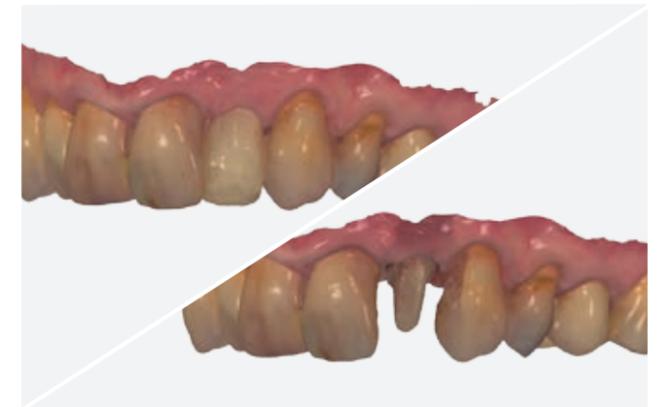
### Control for convergence and divergence

The Insertion Direction tool allows dentists to control the prepared teeth for convergence/divergence and modify the preparations if needed. The tool ensures an optimal insertion direction before sending the digital impression to the lab.



### Add a pre-preparation scan

Easily create and attach a pre-preparation scan that labs can use as guidance for designing restorations that resemble the patient's original teeth.

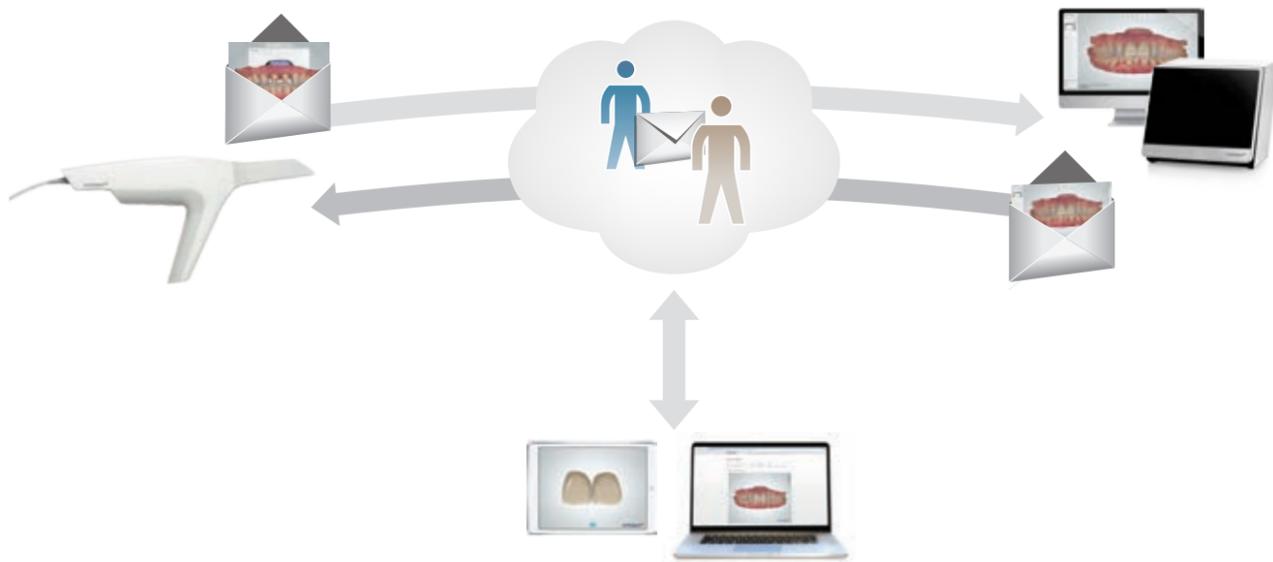


# Share, communicate and interact

Easily send cases to any 3Shape lab. Access cases and communicate anywhere and anytime - from your TRIOS® cart, PC, tablet, smartphone, in the clinic or on the road. Dentists and labs can easily share impressions, shade values, HD photos, 3D previews of designs, suggested margin lines, questions and comments.

The dentist sends the order, digital impression, shades, 2D images and communicates online with the technician during restoration design

The technician immediately starts designing, can ask questions about the case, and send design proposals to the dentist

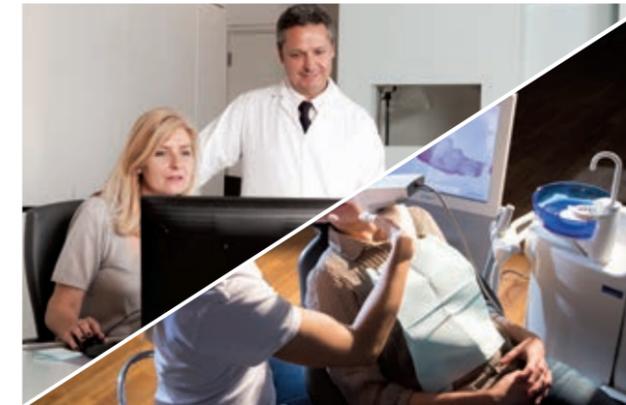


iOS App and web interface - Dentists and labs can communicate and access cases from anywhere, anytime



# Bring TRIOS® into your clinic's workflows

As with all your dental equipment, your digital impression solution should fit in smoothly with your clinic's existing tools and established procedures. TRIOS® is designed to integrate with your practice management system and to support your clinic's workflows.

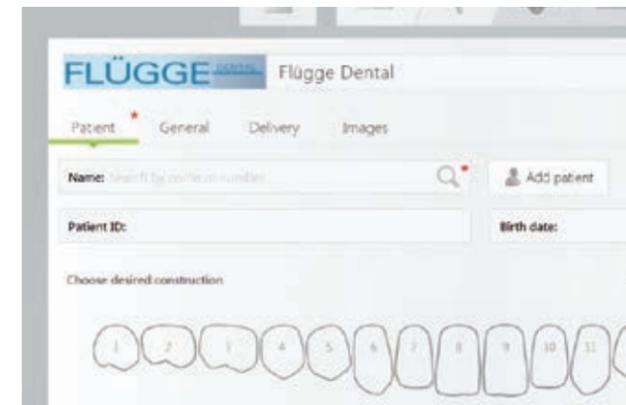


## Access cases from anywhere with the TRIOS® Client Solution

Gain access to all your cases in 3D from any PC on the clinic's network - such as the dentist office, reception desk, or meeting room. With the TRIOS® client solution, secretaries or dentists can review cases or prepare orders from their desk and save chair time.

## COMING Intelligent and customizable 3D order forms

Along with patient details and the 3D digital impression, you can attach 2D patient images and comments notated directly on scans. Order Forms are customizable to reflect the lab's specific services and information requirements.



## Integration with clinic administration systems

Exchange information between TRIOS® and selected practice management systems. Load patient information directly from your system and store scans in the patient record.



## Backing dentists with care, technology, and expertise

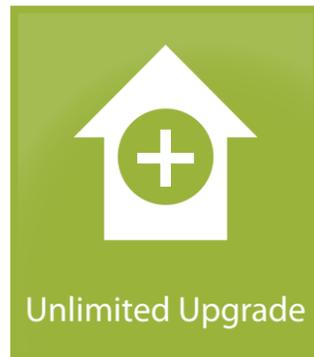
TRIOS® CLINicare™ is an integral part of your TRIOS® Digital Impression solution and annual 3Shape subscription. It bundles services that are designed to ensure your investment, secure maximum uptime, and help you get the most from your solution year after year.



Expert Training

**To help you get the most out of your TRIOS®**

- On-site assistance to install and connect your system.
- In-the-clinic training by 3Shape certified experts.
- Educational seminars and training courses.
- Free online training webinars.
- Built-in TRIOS® training center with access to guides, videos and manuals.



Unlimited Upgrade

**To keep your system strong and competitive**

- One or more significant software upgrades every year.
- Upgrades can include new indications, tools, speed enhancements, and more.
- Lab-specific digital order forms updated in tune with changes to services, materials, or products.
- Access to valuable trade-up programs allowing users to upgrade their device at attractive prices.



Global Support

**To solve any issues and keep your business on schedule**

- Access to 3Shape's worldwide support network.
- Online support tool gives supporters access to your screen.
- Primary local 1<sup>st</sup> line support by certified 3Shape representatives.
- Multi language 2<sup>nd</sup> line support by 3Shape's experts for special cases.
- 3Shape Support & Service centers all over the globe.

### About 3Shape

3Shape has firmly established its position as a leading industry pacesetter for breakthrough developments in dental 3D scanners and CAD/CAM technologies. More than 400 employees and over 175 developers work daily to bring 3Shape's innovative solutions to dental labs and clinics. 3Shape is a global company and its offices and service centers span the world with presence in Europe, Asia and the Americas.

3shapedental.com  
 Facebook.com/3Shape  
 Youtube.com/3Shape

# 3Shape World Map



**1** 3Shape Copenhagen Headquarters  
Training, support, hardware service,  
development, sales

**2** 3Shape in Germany  
Training and support

**3** 3Shape Poland  
Training, support, hardware service,  
production

**4** 3Shape Ukraine  
Training, support, development

**5** 3Shape in France  
Training and support

**6** 3Shape in Italy  
Training and support

**7** 3Shape US - West Coast  
Training, support, hardware service

**8** 3Shape US - East Coast  
Training, support, hardware service,  
business development

**9** 3Shape Latin America  
Training and support

**10** 3Shape Asia  
Training, support, hardware service,  
business development

**11** 3Shape in Japan  
Training and support

**12** 3Shape in Brazil  
Training and support

**■** 3Shape office

**■** 3Shape presence

3Shape media

