

The complete digital solution for orthodontics

3Shape TRIOS[®] Ortho System[™]



Trusted customer service meets innovative technology



Great Lakes
ORTHODONTICS, LTD.
An Employee Owned Company

3shape 

3Shape TRIOS® Ortho System™

3Shape's **TRIOS® Ortho System™** is a *complete* digital solution for orthodontists. This powerful, open format system combines the ultra-fast TRIOS® 3D impression solution with 3Shape's Ortho Analyzer™ software. The system integrates intraoral 3D scanning, scan validation, and seamless communication with the orthodontic lab. Ortho Analyzer™ software gives orthodontists the tools for creating digital study models from the impression as well as advanced tools for accurate treatment planning and case analysis. Plus, the TRIOS® Ortho System™ is designed as an open format system for seamless file sharing and compatibility.

System Highlights

- Ultra-fast impression taking and accuracy
- Powder-free scanning
- Open file format
- Ortho Analyzer™ Software
- Real Color™ Technology
- Integrates with patient management systems
- Single-hand scanner operation
- Innovative scanner tip:
 - Autoclavable
 - Rotates
 - Anti-mist heater
- Smart-Touch screen
- TRIOS® Pod solution
- Motion sensor interface
- Live 3D visualization
- Wi-Fi and Bluetooth connectivity

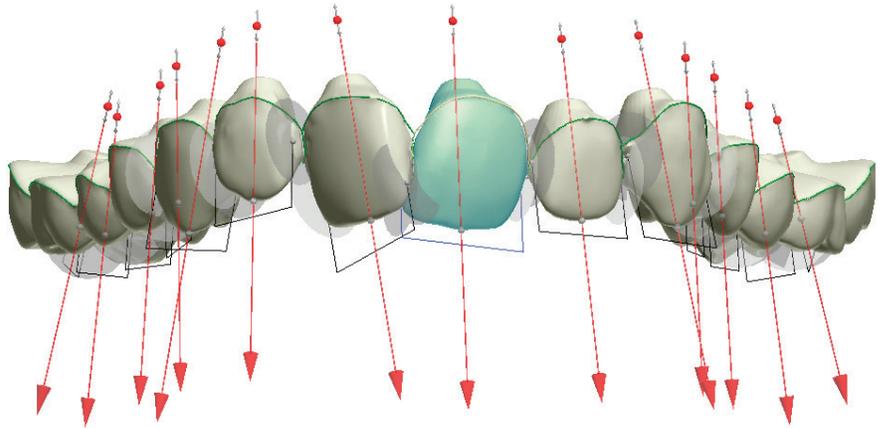


3Shape's TRIOS® — Digital impression-taking that's fast, easy, and accurate

3Shape's TRIOS® Ultrafast Optical Sectioning™ technology enables orthodontists to rapidly and easily achieve accurate scans. The final 3D digital impression is based on real data rather than interpolated artificial surfaces. Digital impressions can be viewed live as they are being built on the PC screen during scanning.

Scanner is easy to use. The ergonomic handheld scanner easily moves along the teeth, capturing the impression in real time. No need to hold the scanner at a specific distance or angle to focus. Autoclavable tip is equipped with an anti-mist heater to ensure that scanning is clear and undistorted. Tip rotates for ideal positioning.

A unique motion sensor interface allows the scanner to act like a gaming controller to virtually rotate and turn the digital impression on screen.



Ortho Analyzer™ Software—Advanced tools for treatment planning and case analysis

Ortho Analyzer™ makes it easy to create digital study models including virtual bases, and perform treatment planning and case analysis using 3D and 2D tools, virtual setups, and digital articulators. Complete case histories are accessible from anywhere, and with 3Shape Communicate™, orthodontists can share and discuss cases online with colleagues and their lab, or present treatment plans to patients.

Digital archiving and retrieval.

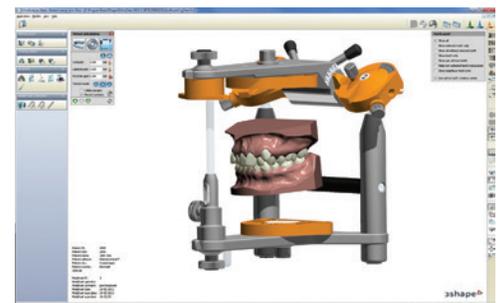
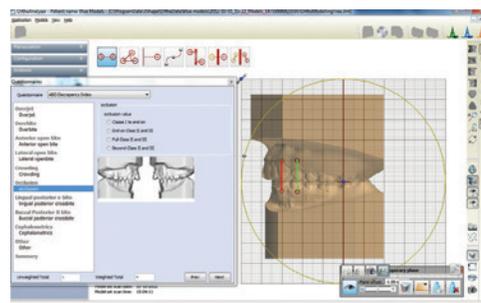
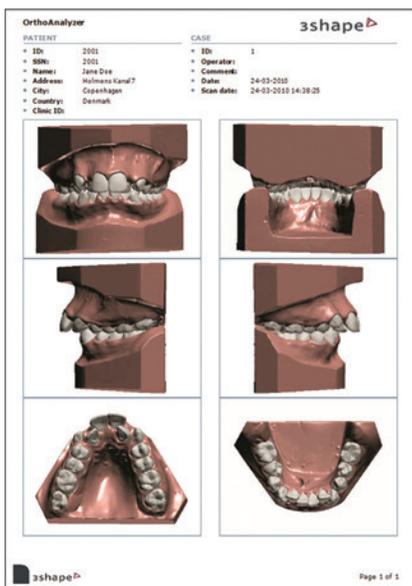
A digital study model not only eliminates the hassle and expense of physical storage and manual retrieval systems, it also ensures unlimited analysis and easy remakes without damage to the model.

Analysis and case validation made easy.

Case analyses can be customized according to your own methods, needs, and workflows. Your stored workflows ensure analysis consistency across cases, improved efficiency, and optimal results. Software also includes analysis wizards to guide users step-by-step through the process and allows easy comparison of *Before* and *After* treatment situations.

Easy, accurate 3D treatment planning.

Run full treatment simulation, including extractions and interproximal reductions, with detailed tooth movements summarized for each tooth over time. Or, apply predefined constraints to control tooth movements. Use virtual articulators to optimize the plan's occlusion aspects.





Optional Solutions

RealColor™ Technology

Scanned images in realistic color

With TRIOS® color you can scan in realistic colors to clearly distinguish between teeth, gingiva, and restorative materials. This new technology enables recognition of bleeding areas, color transitions on teeth, and margin lines.



TRIOS® Pod solution

Extreme mobility and flexibility

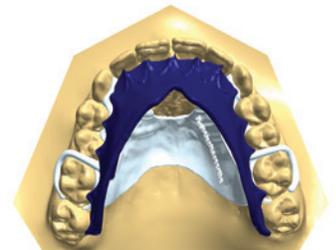
An alternative to the TRIOS® cart, the compact Pod solution offers mobility and flexibility for orthodontists working in multiple locations or treatment rooms as well as practices with limited space. The TRIOS® Pod can be connected to multiple laptops or PCs and allows scanning from an iPad.



Appliance Designer™

The first dedicated CAD/CAM program for creating all types of orthodontic appliances

This software's modular toolbox allows users to incorporate standard appliance parts and components in their designs. Modified study models or appliance designs can be output using all types of 3D-driven machines and materials.



Learn more about the 3Shape TRIOS® Ortho System™

Call **1.800.828.7626** or visit **www.greatlakesTRIOS.com**



Easy to Own

Special financing is available to make owning the TRIOS® Ortho System™ a reality. Inquire today.

Why use a digital impression solution?

More and more orthodontists are using digital impression taking systems. This new technology provides easy impression taking, better clinical results, increased patient satisfaction, and rapid ROI.

Benefits include:

- Faster than traditional impression taking
- Improved accuracy and clinical results
- Facilitates treatment planning and simulations
- Digital archiving of study models eliminates the hassle and expense of physical storage space, manual retrieval, and the worry of damage. Cases histories are easily accessible.
- Less chair time and fewer appointments
- No messy impression materials and plaster
- Improved patient comfort. Patients prefer digital impression taking to traditional impression taking.
- Reduced cost for materials and shipping
- Digital workflow increases efficiency and productivity.

Why choose the 3Shape TRIOS® Ortho System™?

While the benefits of digital impression taking are clear, not all digital impression solutions are equal. The TRIOS® Ortho System™ offers the latest technology and upgrades along with key innovations that other systems simply don't have.

Benefits include:

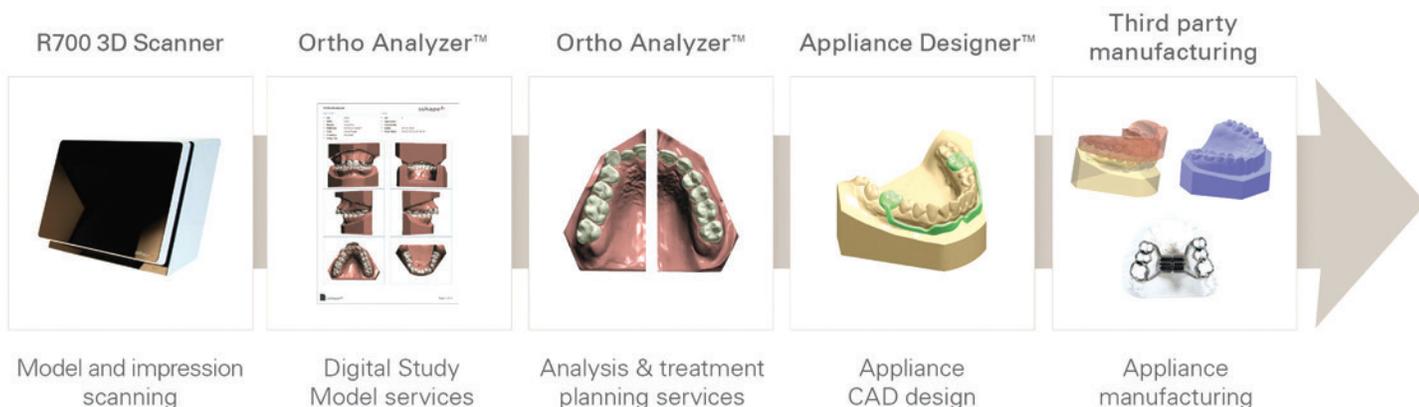
- **Ultra-fast impression taking:** Captures more than 3,000 2D images per second—100 times faster than conventional video cameras.
- **High digital impression accuracy for optimal capture:** Up to 1,000 3D pictures for true geometries. Final 3D digital impression is based on real data rather than interpolated artificial surfaces. Captures full arches.
- **Open STL file format:** Integrates with third party systems, equipment, and user-owned data
- **No powder:** Optimal accuracy, faster scanning, and greater patient comfort with less mess and expense
- **Ortho Analyzer™ Software:** Makes analysis and case validation easy. Extensive case analysis toolkit can be customized according to your methods and needs. 3D treatment planning allows full treatment simulation.
- **Live 3D visualization:** View the digital impression being built on the screen during scanning.
- **Scanner tip is autoclavable, rotates, and has anti-mist heater:** Unique tip offers optimal hygiene with less expense and easy access. Heater allows crystal clear scanning and eliminates distortion.
- **Ergonomic single-hand scanner operation:** Easily pick up and park the scanner with one hand.
- **Smart-Touch Screen:** Provides full control without a mouse or trackball
- **Motion sensor interface:** The handheld scanner acts like a gaming controller to virtually rotate and turn the digital impression.
- **Flexible connectivity with Wi-Fi and Bluetooth:** Move the cart anywhere in the practice and stay online. Connect to 3rd party devices such as wireless keyboards or cameras.
- **RealColor™ Technology:** Optional feature creates scanned images in realistic color to clearly distinguish between teeth, gingiva, and materials.
- **TRIOS® Pod solution:** An alternative to the cart, the optional TRIOS® Pod solution offers mobility and flexibility when working in multiple locations or limited space.
- **Appliance Designer™** — Optional module allows the CAD/CAM creation of all types of orthodontic appliances.
- **Integrates with your patient management system:** Interfaces with leading patient management systems, including OrthoTrac® and Dolphin Imaging®.

How the 3Shape TRIOS® Ortho System™ efficient workflow can work for you

For Orthodontists



For Orthodontic Labs



System Includes:

- TRIOS® Cart or Pod
- TRIOS® Scanner
- Ortho System™ Server PC
- System Software
- Ortho Analyzer™ Premium License
- TRIOS® Scanner Tips (Autoclavable)
- TRIOS® Protection Tip
- TRIOS® Calibration Tip

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