3Shape Orthodontics
Digital Solutions for Orthodontic Labs
Digital technology is changing the way we live. For many orthodontic labs, the move to digital has become a fundamental question: to be or not to be? There are plenty of reasons to say yes to desktop 3D scanners and a digital workflow. Creating digital study models from gypsum models or impressions, saving storage space, reducing environmental impact, the predictability and accuracy in CAD designed appliances are just a few. 3Shape makes your decision simpler. You build your digital lab according to your needs and budget. Start with our orthodontic software and add a desktop scanner when you are ready. You decide. We support you. Together, we make a great team!

Failure is not fatal, but failure to change might be

John Wooden, Coach & Teacher

“Failure is not fatal, but failure to change might be.”

Dr. Santiago Isaza Penco,
Orthodontist, Bologna, Italy

5 reasons for your Orthodontic Lab to go digital

• Expand services and attract new customers with digital services
• Improve customer relationship by sharing case analysis, treatment plans and appliance design
• Stay competitive as more orthodontists seek digital service labs
• Use CAD/CAM customization and accuracy to optimize treatment, appliance design and manufacturing
• Reduce transportation and storage costs by going digital

It used to take three to four weeks to have the appliance designed and shipped back. Now it only takes two to three days for a retainer.”
5 reasons to choose 3Shape Orthodontics

Enhance analysis and treatment planning with fully integrated digital workflows.
Increase productivity with CAD/CAM appliance design and manufacturing.
Improve orthodontic treatment with ISO accuracy-documented scanners.
Connect directly to TRIO® orthodontists and orthodontic solution providers.
Secure your investment with unlimited software upgrades and global support.

Digital Study Models
Add digital archiving to your services. Create digital study models from impressions and plaster models as well as digital intraoral scans.

Orthodontic analysis services
Take advantage of easy to use and customizable case analysis software.

Treatment planning services
 Seamlessly share treatment proposals including bracket placement with orthodontists.

Complete CAD/CAM workflows
Take advantage of CAD appliance design for design optimization and flexible manufacturing options via open file output formats.
Working with digital models

Study models are the cornerstone of your analysis and planning process. Creating digital versions of study models enables space-saving digital archiving, easy case sharing and improved communications between lab, orthodontist and patient.

Create study models from intraoral and desktop scans

Provide digital model services
Created from impressions or plaster models with 3Shape E or R-series scanners.

Virtually debond brackets
In a few clicks to prepare retainers ahead of the next patient visit.

Avoid model contamination
Digital study models eliminate contamination concerns.

Receive digital impressions directly
Directly from TRIOS® clinics with the TRIOS® Ready program.

3Shape lab scanners for every need

Essential scanning to digitize your lab
- 2 x 5 MP cameras, Blue LED Multiline
- Accuracy (ISO 12836 /study model): 10 µm/12 µm
- Scan time plaster model: 61 sec
- Scan time impression: 107 sec
- Texture: n/a

Increased productivity and texture scanning
- 2 x 5 MP cameras, Blue LED Multiline
- Accuracy (ISO 12836 /study model): 10 µm/12 µm
- Scan time plaster model: 43 sec
- Scan time impression: 72 sec
- Texture: B/W

High performance and color
- 2 x 5 MP cameras, Blue LED Multiline
- Accuracy (ISO 12836 /study model): 7 µm/10 µm
- Scan time plaster model: 33 sec
- Scan time impression: 52 sec
- Texture: Color

Ultra-high productivity
- 4 x 5 MP cameras, Blue LED Multiline
- Accuracy (ISO 12836 /study model): 5 µm/8 µm
- Scan time plaster model: 23 sec
- Scan time impression: 50 sec
- Texture: Color

Upper/lower simultaneous scan
- 4 x 5 MP cameras, Blue LED Multiline
- Accuracy (ISO 12836 /study model): 5 µm/8 µm
- Scan time plaster model: 23 sec
- Scan time impression: 50 sec
- Texture: Color
- Scanning strategy: All in one
Build your digital lab according to your needs and budget

The flexible 3Shape’s orthodontic solutions enable you to begin delivering digital services at a minimum investment. Start off with the entry level E1 scanner bundled with the 3Shape Ortho System software and deliver complete digital services. Or, start with a stand-alone 3Shape Ortho System software package to deliver digital analysis and treatment services, and add a scanner later when ready to provide digital models.

Precision digital analysis services

Create full digital patients
Merge CT/CBCT data, scans, x-ray panoramics, cephalometric tracings and photos with digital study models for precision analysis.

Deliver digital analysis services
And make your work more effective with proven workflows, designs and history paths, and your lab-to-clinic communications more efficient.

Take advantage of 2D and 3D analysis orthodontic toolkit
For analysis of arc shapes, overjet/overbite, Bolton ratios, occlusion and spaces.

Benefit from customized analysis wizards
Easy to use tools and wizards help you provide, share and save analysis processes tailored to your customers’ needs.

Define and simulate tooth movements

Accurately place brackets on the virtual models
Automatic FA point definition and real-time collision detection.

Simulate orthodontic treatments
Including extractions, interproximal reductions, constraints and full tooth movements details.

Show and tell treatment plans with your customers
Simply share treatment proposals online via 3Shape Communicate™.

Optimize occlusion in real time
Assess treatment proposals instantly with virtual articulators.
Leverage the power of CAD/CAM for efficient design and production

Take the next step in your digital journey by adding the CAD/CAM production of customized appliances. 3Shape Appliance Designer™ open file output formats enable you to manufacture appliances in-house or externally depending on your lab set up.

Design any type of orthodontic appliance

Create clear aligners, night guards, retainers, customized bands, splints, surgical bites, palatal expanders, bionators, twin blocks, Herbst appliances, planas tracks and more in Appliance Designer™.

Flexible and open manufacturing options

Appliance Designer™ creates standard file formats to enable you to send designs to the CAM machine of your choice.

Take advantage of proprietary orthodontic appliance toolbox

A fully-loaded virtual toolbox filled with design tools, easy addition or subtraction of STL attachments, drill compensations and virtual articulators for optimal function.

Export modified master models

Models can be modified (e.g., with removed undercuts) for 3D printing and further manual work.

Achieve efficiency and precision

Auto-template creation and design inspection tools in the software make your work more efficient and predictable.

Manufacture on machines and materials of your choice

Open file formats enable you to produce in-house or externally.

Provide indirect bonding services

With the flexible design of bracket placements trays or jigs.

Identify the right material for the right appliance

Investment casting or laser sintering for Chrome Cobalt, biocompatible resin or 3D printing.

Deliver perfect fit appliances to your customers

Digital accuracy enables you to create appliances that have a perfect fit, improve hygiene and reduce the number of visits.

Full integration with all 3Shape digital dental solutions

Appliance Designer™, as well as all 3Shape software, interfaces with Dental System™ and CAMbridge™.

Identify the right material for the right appliance

Investment casting or laser sintering for Chrome Cobalt, biocompatible resin or 3D printing.
NEW LabCare subscription options any need and budget

3Shape now lets you choose between two service agreements. 3Shape’s LabCare subscription package gives you high value services plus the option to protect your investment with an attractive warranty and scanner replacement agreement. Or you can choose the new Basic package - a no-subscription program offering limited services free of charge.

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<tr>
<th>3Shape LabCare</th>
<th>NEW Basic package</th>
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<tr>
<td>The comprehensive service package that keeps you ahead and constantly productive</td>
<td>Limited services with no subscription payment for the cost-conscious lab</td>
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<th>Software upgrades</th>
<th>All</th>
<th>Patches only</th>
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<td>New software releases with latest developments including libraries, workflows and tools</td>
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<th>Support</th>
<th>✓</th>
<th>Pay per call</th>
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<td>Authorized experts help you in your local language and time-zone</td>
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<th>Training &amp; events</th>
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<tr>
<td>Comprehensive user events and trainings by leading dental technicians and 3Shape experts</td>
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<tr>
<th>Special discounts</th>
<th>Up to 25%</th>
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<td>Save money on additional scanners and software</td>
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<tr>
<th>Availability</th>
<th>All scanners</th>
<th>E1, E2, &amp; E3</th>
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<td>The packages are available with the following scanners</td>
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<th>NEW Warranty &amp; Scanner Replacement service (add on)</th>
<th>With 3Shape LabCare</th>
<th>With Basic package</th>
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<tr>
<td>Scanner repair and scanner replacement to avoid downtime</td>
<td>Up to 5 years</td>
<td>1 year warranty (no replacement)</td>
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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 game-changing 3Shape X14-in-1 CBCT scanner, and market-leading scanning and design software solutions for dental labs. Two graduate students founded 3Shape in the year 2000, and today the company’s fast-growing team of employees in 19 offices worldwide is serving customers in over 100 countries. 3Shape’s products and innovations continue to challenge traditional methods, enabling dental professionals to treat more people more effectively.