3Shape Orthodontics

Go digital with your lab services

3shape

Why digital?

Get competitive
From creating and archiving digital study models to planning and production, you work digitally, use less material, reduce shipping costs and turnaround time.

Leverage digital workflows
Design, edit, save, share, remake, and produce appliances with fast, cost effective digital workflows.

Grow your business
Offer more orthodontic treatment types and seamlessly cloud-connect with doctors to receive intraoral scans.

Why 3Shape Orthodontics?

Superior scanning technology
ISO-documented accuracy, high speed model and impression scanning in a wide range of scanners for every need and budget.

Easy to use orthodontic lab software
Analyze, plan and produce treatments such as clear aligners, indirect bonding, splints and metal bands.

The open ecosystem
Take advantage of the open, integrated, and growing 3Shape ecosystem of bracket libraries, design services and production equipment.

"For small labs, it is not a question of whether or not to go digital anymore: it is how to best go digital and keep up. 3Shape has enabled me to stay in business, grow, and adapt to a changing market."

Christopher Gajewski,
Co-owner of Bryn Mawr Orthodontic Lab

Discover how Christopher Gajewski transformed his lab from analog to digital at 3shape.com/ortholab

Digital solutions for orthodontic labs

3Shape orthodontic solutions give you a complete and intuitive set of workflows and digital tools to maximize your lab's efficiency and profitability. They enable you to digitally analyze and plan orthodontic treatments as well as produce clear aligners, indirect bonding trays, night guards, retainers, customized bands, splints, twin blocks, Herbst appliances and much more*.

Analyze > Plan > Produce

Did you know that you can?

Connect digitally - Receive intraoral scans or use analog impressions to create digital study models

Analyze cases - Integrate all patient data, from 2D pictures, CBCT scans to 3D models, for comprehensive case analysis

Plan treatments - Simulate various options onscreen and share treatment outcome with digital set-ups

Design CAD appliances - Design customized appliances in-house based on treatment plans or send to design service

Produce CAM appliances - 3D print, laser sinter and mill in-house or send files directly to production centre

Fit appliances - Reduce visits and chair time for your orthodontist with customized appliances or transfer trays for indirect bonding

Create retainers before the last patient visit - Digitally debond and prepare the retainer before the real brackets are debonded to save your doctor's time and avoid treatment relapse

Give your lab the clear advantage

3Shape's open workflows enable you to cost-effectively deliver clear aligner treatments to your customers, no matter what your lab's level of experience or production capacity is.

3Shape Clear Aligner Studio

Clear Aligner Studio is the fast and easy way to bring clear aligners into your lab's production workflow. Clear Aligner Studio's guided workflow takes you through the process and steps you need to complete clear aligner cases. Choose the production technology that works best for you, as Clear Aligner Studio is compatible with a wide range of 3D printers and vacuum forming machines.
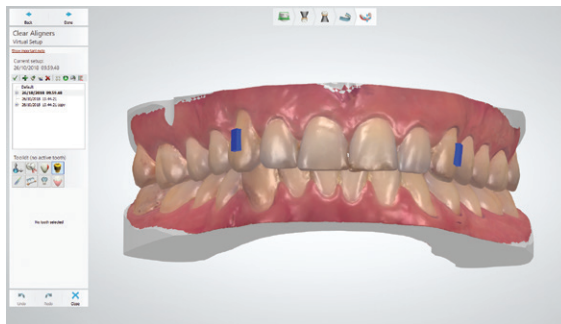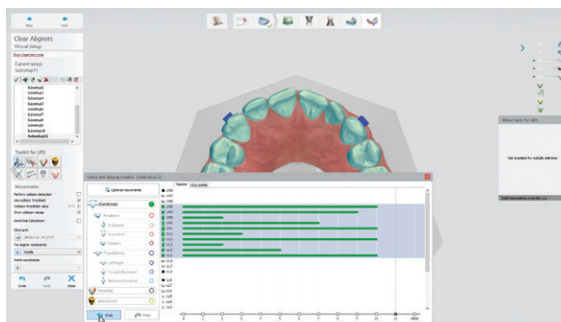

One integrated workflow

Quickly scan, design and prepare files for production using one integrated workflow.
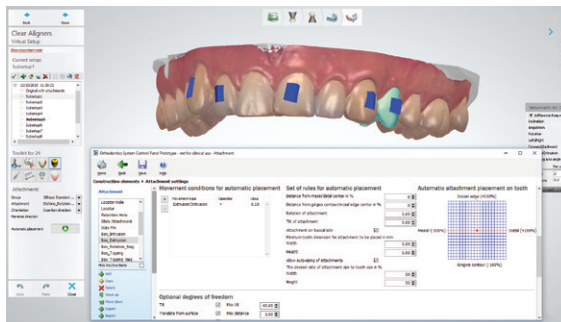
Increased efficiency

Save time and increase efficiency with new automated features: ID tagging, attachment placing and more.

Full treatment control

Get more control over tooth movements and improved visualization with enhanced setup and staging.

"The Clear Aligner Studio software has a tremendous impact on the efficiency in our laboratory, so the amount of time necessary to spend on a specific case has reduced probably 30%."

Bernhard Egger
Owner, Natural Esthetics

You've got open options

- Manage your design and production with Clear Aligner Studio software
- Outsource setup and staging to expert design service partners
- Use manufacturing partners for 3D printing and vacuum forming

Fast and intuitive software

3Shape makes it easy for you to take advantage of digital workflows with 3Shape Studio apps like: Indirect Bonding Studio, Splint Studio** and Clear Aligner Studio.

3Shape Indirect Bonding Studio

3Shape Indirect Bonding Studio enables you to intuitively plan bracket placement, and design and produce transfer media. The software guides you through the ideal setup based on your clinician's preferences. Any adjustments to the teeth are easily made onscreen. When bracket placement is finalized, you can simply create the transfer media for bonding the physical brackets in the mouth of the patient.
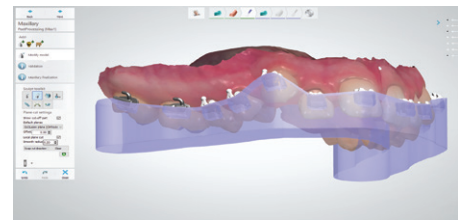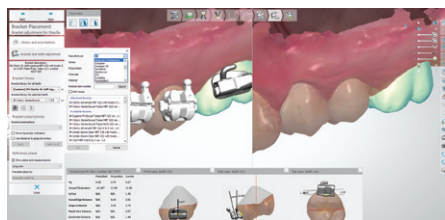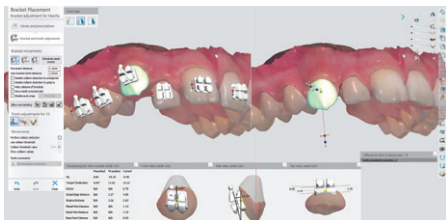

Ideal setup-based planning

Create and save ideal setups and let the software guide you through the planning based on your preferences. Teeth adjustments are simple.

550+ original bracket libraries

3Shape's Indirect Bonding solution comes with the largest selection of original bracket libraries available. More than 550 bracket libraries available from 25 plus vendors.

Transfer media production options

Choose to print indirect bonding trays or vacuum press them on models, the software supports your preferred workflow.
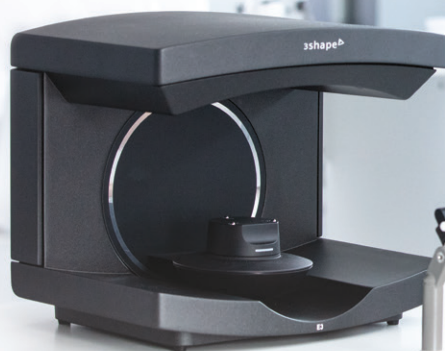
3Shape Splint Studio

3Shape brings you a completely new splint design software that enables you to easily design Splints, Night Guards and Protectors with just a few clicks. Efficient digital design and manufacturing of splints gives your lab an attractive opportunity to add a new offering with high profitability**.
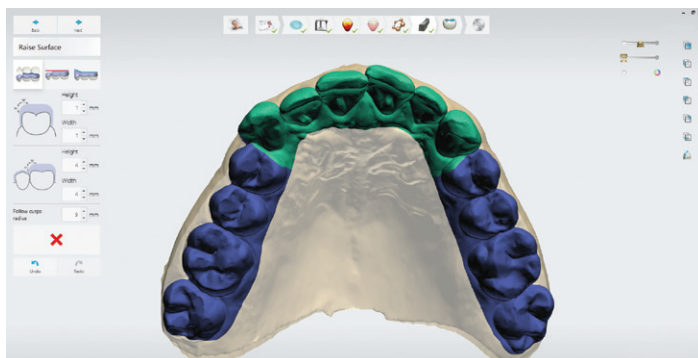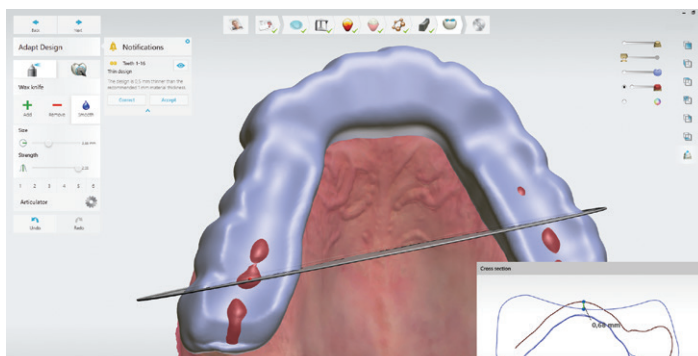

Efficient and intuitive workflows

Save time by automatically raising the occlusal surface to the antagonist cusp tips and make slanted bite ramps with just a click.
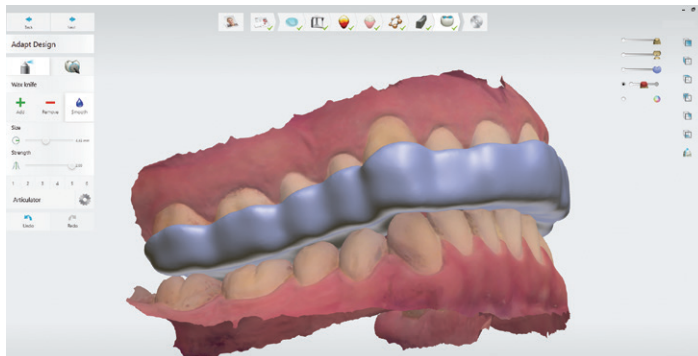
Design all types of splints

Create splints, night guards and protectors.

Mill or 3D print

Splint designs can be manufactured affordably with 3D printers and mills.

Tailor your software and scanner to your needs

Going digital means your lab can expand the products and services you offer as well as future proof your business.
3Shape's range of lab scanners can be purchased with two different orthodontic software packages.
Enabling you to take advantage of CAD/CAM workflows at a price that meets your needs and budget.

E4 Ultra-high speed and accuracy

Camera:	4 x 5 MP Blue LED Multiline
Accuracy (ISO 12836):	4 µm
Scan time (plaster model):	17 sec
Scan time (impression):	25 sec
Texture:	Color

E1 Essential scanning to digitize your lab

Camera:	2 x 5 MP Blue LED Multiline
Accuracy (ISO 12836):	10 µm
Scan time (plaster model):	61 sec
Scan time (impression):	107 sec
Texture:	n/a

E2 Increases productivity and texture scanning

Camera:	2 x 5 MP Blue LED Multiline
Accuracy (ISO 12836):	10 µm
Scan time (plaster model):	43 sec
Scan time (impression):	72 sec
Texture:	Black & White

Ultimate productivity
with our fastest scanner ever

3Shape is renowned for making very fast scanners, and the E4 is the fastest and most accurate scanner we have made to date.

Double the speed
E4 scan times on plaster models down to 17 seconds

Double the accuracy
The E4 delivers accuracy of 4 microns compared to the E3's 7 microns accuracy

Double the cameras
Enabled by the scanner's 4x5 MP cameras.

All the features from E1, E2, E3
Includes Auto-start scanning and articulator holder support

E3 High performance and color

Camera:	2 x 5 MP Blue LED Multiline
Accuracy (ISO 12836):	7 μm
Scan time (plaster model):	33 sec
Scan time (impression):	52 sec
Texture:	Color

R2000 Upper/lower simultaneous scan

| Camera:	4 x 5 MP Blue LED Multiline
Accuracy (ISO 12836):	5 μm
Scan time (plaster model):	23 sec
Scan time (impression):	50 sec
Texture:	Color

Take advantage of the open 3Shape ecosystem

3Shape's open ecosystem ensures you that you can deliver the treatments your orthodontists and patients want. Through integrations and partnerships, 3Shape connects you with an unrivaled range of collaborative workflows, design services, integrated bracket libraries, customers and interfaces to virtually all manufacturing equipment and materials*.

Original Bracket Libraries
Access +550 original manufacturer bracket libraries for increased accuracy

3D Printers
Choose from a vast range of trusted and open 3D printers

Design Services
Outsource setup and staging to design services for indirect bonding and clear aligners

Import 3rd party intra oral scans
Import STL from any 3rd party intra oral scan

3Shape integrated solutions
Cloud-connect and promote your lab to doctors that use 3Shape TRIOS

Two orthodontic software packages

3Shape's range of lab scanners can be purchased
with two different orthodontic software packages.
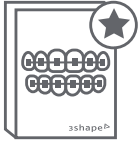
Ortho System Premium

Enables workflows for orthodontic analysis,
treatment planning,
appliance design and production.
Includes:

- Clear Aligner Studio
- Indirect Bonding Studio
- Splint Studio**, and more

Ortho System Scan Only

For adding an extra scan station
to your lab.

Tell doctors
you're digital – it's free!

We live in a connected world. The easier it is to connect
to your customer the better it is for your business.

The 3Shape TRIOS® Ready Ortho program promotes your orthodontic lab
to orthodontists and tells them that you work with TRIOS digital impressions,
digital orthodontics, and much more. It also means that your lab is listed
on the 3Shape website, so orthodontists can easily find you.

The TRIOS Ready Ortho program is completely free

Sign up here: https://www.3shape.com/en/trios-ortho-ready-program-registration

"Being a TRIOS Ready orthodontic lab benefits us in two ways:
One, orthodontists using TRIOS discover us, and two, we think
digitally now. And that is a tremendous change. It means
more precision, more uniformity in our production quality,
and a faster turnaround time for customers"

Vincent Martin,
Uzège Ortho lab, France

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 3Shape X1® CBCT scanner, as well as market-leading scanning and design software solutions for both dental practices and labs.

Two graduate students founded 3Shape in Denmark's capital in the year 2000. Today, 3Shape employees serve customers in over 100 countries from 3Shape offices around the world. 3Shape's products and innovations continue to challenge traditional methods, enabling dental professionals to treat more patients more effectively.

Why 3Shape?

Reliable Dental Partner

• Excellence favored by thousands of labs in over 120 countries

• 400+ developers creating leading technology to maximize profitability for labs

• Driving digital dentistry with 100+ pending patents

High Quality CAD/CAM system

• Fast scanners with documented accuracy

• Intuitive software that enables exceptional digital craftmanship

• Scanners developed according to ISO standards and Red Dot recognized

A solution for every need and budget

• Largest suite of scanners

• Unrivalled integration with 3Shape TRIOS® and third-party IOS, mills and 3D printers

• Widest range of treatment workflows

Contact your reseller regarding availability
of 3Shape products in your region.

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