RAYSHAPE

Digital Dentistry Solutions

Ideal For Dental Practices & Labs

Contents

Who we are

RAYSHAPE is an innovation-driven technology company that provides full-line 3D printing solutions.
The primary industries that RAYSHAPE focuses on are digital dentistry, manufacturing, microfluidics, electronic component, education, and cultural and creative industries.

Our mission is to enhance users' practices and become a global player in the 3D printing business.
Our vision makes RAYSHAPE a brand that resonates with our customers' and partners' needs.

EU:
London, UK

NA:
Columbus OH, USA

APAC:
Suzhou, China

Technology

3D printing solutions for dentistry should consistently deliver exceptional results.
Here's what makes RAYSHAPE's technology reliable.

Reliability and Accuracy

RAYSHAPE printers adopt one of their most reliable optical engines to ensure accurate layer thickness and surface quality.

Open System

Compatible with the market's most known 3rd party resin brands like Detax, Saremco, Kulzer, KeyPrint and others.

User-friendly

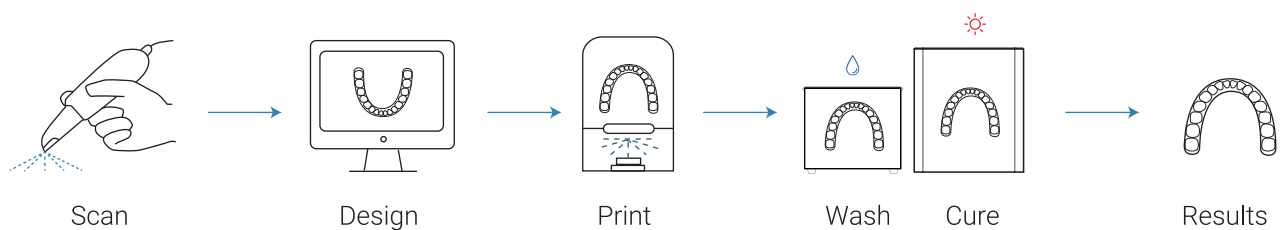Our solutions are user-friendly and easy to operate for the users.

High Printing Efficiency

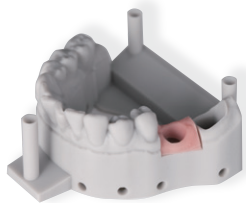Using the low peeling force feature guarantees that 3D printers are cost-effective.

A validate workflow

RAYSHAPE ensured that every stage in the workflow was carefully controlled and validated by dental professionals. From the **Print, Wash, Cure,** to the **Post process.**

| Scan | Design | Print | Wash | Cure | Results |

Dental Lab

Gingiva

Print time	33 min / 32 pieces
Layer thickness	0.05mm
Color	● Pink

Model with Dies

Print time	60min / 2 sets
Layer thickness	0.05mm
Color	● Orange ● Grey ○ Ivory

Record Model

Print time	210 min / 6 pieces
Layer thickness	0.05mm
Color	○ White

Clear Aligner

Print time	26 min / 3 pieces
Layer thickness	0.10mm
Color	● Orange ● Grey ○ Ivory

Casting

Print time	69 min / 4 pieces
Layer thickness	0.05mm
Color	● Green

Teeth Whitening Tray

Print time	26 min / 3 pieces
Layer thickness	0.10mm
Color	● Orange ● Grey ○ Ivory

Bio-compatible (open system)

Try-In

Print time	136 min / 5 pieces
Layer thickness	0.1mm
Color	⬤ Stone

Surgical Guide

Print time	39 min / 3 pieces
Layer thickness	0.1mm
Color	⬤ Clear

Splint / Night guard

Print time	33 min / 4 pieces
Layer thickness	0.1mm
Color	⬤ Clear

Denture

Print time	153 min / 6 pieces
Layer thickness	0.1mm
Color	⬤ Pink

Indirect Bonding Tray

Print time	56 min / 4 pieces
Layer thickness	0.1mm
Color	⬤ Clear

Temporary Restoration

Print time	43 min / 15 sets
Layer thickness	0.1mm
Color	⬤ Stone A2/A3

Custom Tray

Print time	60 min / 1 pair
Layer thickness	0.1mm
Color	⬤ Purple ⬤ Blue

Edge E1 (Entry Level)

The Ideal Choice To Get Digital

An 8.9" 4K mono LCD screen can be filled with full upper and lower arches ready for making aligners, study models, dentures, splints, and other dental applications.

Designed for new customers newly in the digital dentistry era. The 3D printer delivers speed, accuracy, and successful prints.

Applications:

- ☑ Surgical guides
- ☑ Custom trays
- ☑ Record Model
- ☑ Models with Dies
- ☑ Clear Aligner
- ☑ Splints
- ☑ Try-in
- ☑ Indirect bonding trays
- ☑ Teeth Whitening Trays
- ☑ Temporary restoration
- ☑ Gingiva
- ☑ Denture

Fast
Fast printing for an entire platform

Open system
Compatible with 3rd party resin brands

User-friendly
Well-designed and easy to operate

Technical support
Fast and quality support

Technical Specifications

Build volume	7.56 × 4.72 × 7.48 inch (192 × 120 × 190 mm)
Pixel Size	50 µm
Dynamic Layer Thickness	0.05~0.1 mm
Technology	LCD
Print Speed	Up to 40mm (1.5 inches) / 1 hour (Depending on the resin type and slicer settings)
Materials	ShapeMaterials Dental Series / Open System
Touchscreen	7"
Device Dimension	15.35×16.54×21.06 inch (390×420×535 mm)

Shape 1+ Dental (Professional 3D printer)

Designed For Dental Practices & Labs

The professional machine is plug-and-play without maintenance hassles. Equipped with the long-service-time DLP light engine, users don't need to pay attention to repairing or replacing any optical components periodically.

The 3D printer is a high ROI product. It combines high manufacturing speed and performance, suitable for over 20 dental applications.

Applications:

☑ Surgical guides   ☑ Splints   ☑ Gingiva
☑ Implant models   ☑ Try-in
☑ Denture teeth   ☑ Temporary restorations
☑ Casting   ☑ Indirect bonding trays

Fast
Fast printing for an entire platform

Open system
Compatible with 3rd party resin brands

Reliable
Adopt one of the most reliable optical engines

User-friendly
Well-designed and easy to operate

Technical support
Fast and quality support

Technical Specifications

Build volume	5.67 × 3.19 × 7.48 inch (144 × 81 × 190 mm)
Pixel Size	75 µm
Dynamic Layer Thickness	0.025~0.1 mm
Technology	DLP
Print Speed	Up to 40mm (1.5 inches) / 1 hour (Depending on the resin type and slicer settings)
Materials	ShapeMaterials Dental Series / Open System
Touchscreen	7"
Device Dimension	16.54×15.75×23.78 inch (420×400×604 mm)

Shape 1+ Ortho (Professional 3D printer)

Solution For Orthodontics Practices & Labs

Shape 1+ Ortho is plug-and-play without maintenance hassles. Equipped with the long-service-time DLP light engine, users don't need to pay attention to periodically repairing or replacing any optical components.

It's suitable for users that require a more extensive building platform, create many applications per week, don't have time for reprints of models, and require high accuracy all the time.

Applications:

☑ Surgical guides   ☑ Splints   ☑ Gingiva
☑ Study models   ☑ Try-in
☑ Wax up models   ☑ Denture bases
☑ Models for aligners, retainers, and mouthguards

Fast
Fast printing for an entire platform

Open system
Compatible with 3rd party resin brands

Reliable
Adopt one of the most reliable optical engines

User-friendly
Well-designed and easy to operate

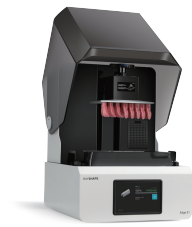**Technical support**
Fast and quality support

Technical Specifications

Build volume	7.56 × 4.25 × 7.48 inch (192 × 108 × 190 mm)
Pixel Size	100 µm
Dynamic Layer Thickness	0.025~0.3 mm
Technology	DLP
Print Speed	Up to 80mm (3 inches) / 1 hour (Depending on the resin type and slicer settings)
Materials	ShapeMaterials Dental Series / Open System
Touchscreen	7"
Device Dimension	16.54×15.75×23.78 inch (420×400×604 mm)

Comparison table of the product series

	Edge E1	Shape 1+ Dental	Shape 1+ Ortho	P400 Dental
Technology	LCD	DLP	DLP	DLP
XY Resolution	50 µm	75 µm	100 µm	65 µm
Type	Chair-side	Chair-side / labs	Chair-side / labs	Industrial-grade
Optical system service life	0.5 year	Over 3 years	Over 3 years	Over 3 years
Applications	☑ Implants ☑ Orthodontics ☑ Prosthodontics	☑ Implants ☑ Orthodontics ☑ Prosthodontics	☑ Orthodontics	☑ Implants ☑ Orthodontics ☑ Prosthodontics
Maintenance work	Replacing the mono LCD screen periodically	None	None	None
Material system	100% Open Material System	100% Open Material System	100% Open Material System	100% Open Material System
Target customers	☑ Entry level dental practices ☑ Small labs	☑ Dental practices ☑ Small & medium dental labs	☑ Dental practices ☑ Small & medium dental labs	☑ Medium & large dental labs ☑ Dental practices

Comparison table of the product series

	Edge E1	Shape 1+ Dental	Shape 1+ Ortho	P400 Dental
Technology	LCD	DLP	DLP	DLP
XY Resolution	50 µm	75 µm	100 µm	65 µm
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Optical system service life	0.5 year	Over 3 years	Over 3 years	Over 3 years
Applications	⊘ Implants ⊘ Orthodontics ⊘ Prosthodontics	⊘ Implants ⊘ Orthodontics ⊘ Prosthodontics	⊘ Orthodontics	⊘ Implants ⊘ Orthodontics ⊘ Prosthodontics
Maintenance work	Replacing the mono LCD screen periodically	None	None	None
Material system	100% Open Material System	100% Open Material System	100% Open Material System	100% Open Material System
Target customers	⊘ Entry level dental practices ⊘ Small labs	⊘ Dental practices ⊘ Small & medium dental labs	⊘ Dental practices ⊘ Small & medium dental labs	⊘ Medium & large dental labs ⊘ Dental practices

Post-processing machines

ShapeWash 020S
Ultrasonic Cleaning, Smart and Efficient Device

Resin 3D prints require pretty thorough cleaning after printing from your machine. Can help you clean the parts in no time, and without damaging your resin prints.

ShapeCure
UV Curing Station For Dental Practices & Labs

The ShapeCure UV curing machine is for the secondary curing of printed parts to obtain better performance part. It works well with Edge E1 and Shape 1+ series.

ShapeCure +
UV Curing Station For Mass Production

The ShapeCure+ is for the secondary curing of printed parts to obtain better performance. The station is suitable for mass production and bigger 3D models.

RAYSHAPE dental resins

Soft Pink
● Pink

Model 1
● Orange ● Grey ● Ivory

Record Model
○ White

Cast
● Green

DT
● Pink
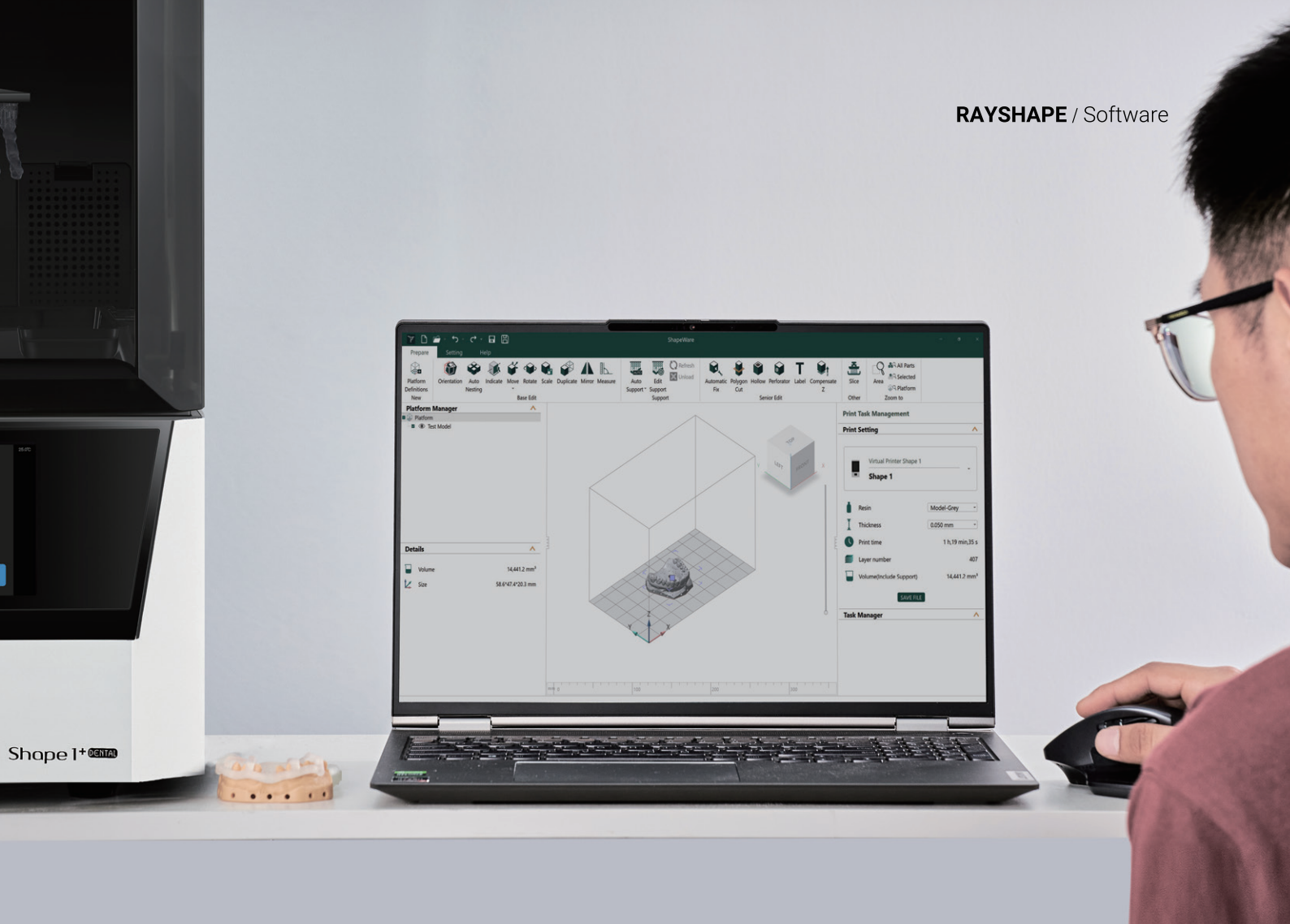
TT
○ Ivory A2   ○ Ivory A3

Ortho Model
● Orange ● Grey ● Ivory

SG
○ Translucent

100% Open Material System
use any suitable third party material

ShapeWare

The software allows dental labs and clinics to create 3D printable files on RAYSHAPE 3D printers. Combines the power of design, engineering, and manufacturing into one platform.

Free software

User friendly

Free advanced
editing functions

Open to 3rd party
resin brands

Our customers' testimonials

Qlab

" 3D printing on RAYSHAPE for dentistry brings speed and efficiency into Qlab. Easy to master, open source solution and support help is at hand from RAYSHAPE team."

Alaa Abou Hasan
Director of Qlab
London, UK

DENTAL DOCTOR

" The quality of the 3D printed parts from RAYSHAPE is great and the accuracy is what we expected."

Dr. Lv Haoxin
Dental Doctor Clinic
Suzhou, China

BenQ

" RAYSHAPE dental solutions helped us with our digital transformation. The printers are cost-effective, plus the technical support service is excellent. We are delighted with the cooperation so far."

Steven Sung
President of BenQ Hospital Dentistry
Suzhou，China

Jiahong Dental Lab

" As a dental lab, we're always looking for the best equipment, and integrating the Shape 1+ Dental Series DLP 3D printers into our workflow for continuous production was a good move to increase productivity."

Jason Liu
Technical Director of Jiahong DentalLab
Shenzhen,China

RAY**SHAPE**

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Contact the sales team for more information