RAYSHAPE

It's A Slam Dunk

Fast & Accurate 3D Printing Solutions

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.

RAYSHAPE technology

3D printing solutions for manufacturing 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 BASF, Henkel, 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.

RAYSHAPE / Applications

Applications

Among other technologies, 3D printing technology's advantage is speed and accuracy, which is a game changer for many industries. With the right mix of modeling and engineering materials, producing flawless prototypes in minutes and even batches of hundreds of production parts in just hours is easy.

RAYSHAPE offers a wide range of materials for different industries.

Automotive

Medical Prototypes

Manufacturing

Education and Research

Art

Audio

Engineering

Dental

100% Open Material System

Edge S1

Professional Desktop Mini Factory

With a Functional and Advanced series of high-performance resins from RAYSHAPE, the Edge S1 can quickly produce a range of functional prototypes with excellent mechanical performance, enabling more in-depth testing and application.

Easy-to-use

Large format high precision

Rapid prototyping

Applications:

- Engineering
- Education and Research
- Manufacturing
- Medical Prototypes
- Art
- Dental

Technical Specifications	
Build volume	7.56 × 4.72 × 7.48 inch (192 × 120 × 190 mm)
Pixel Size	50 μm
Dynamic Layer Thickness	0.05~0.3 mm
Technology	LCD
Print Speed	Up to 60mm (2.3 inches) / 1 hour (Depending on the resin type and slicer settings)
Materials	ShapeMaterials or 3rd party resin brands
LCD Screen	8.9" 4K mono LCD
Device Dimension	15.35 × 16.54 × 21.06 inch (390 × 420 × 535 mm)

**All data mentioned is from our laboratory testing.*
The printing speed may vary depending on the type of resin used and the printing settings.

100% Open Material System

Shape 1+ series

Smart and Powerful

The product design and manufacturing process have undergone a complete upgrade, resulting in a more technologically advanced and refined product. Additionally, the Shape1+ series is more beginner-friendly, and the interaction between the software and hardware is more intuitive.

User-friendly

Stable & Efficient

Rapid Iteration

Applications:

Engineering

Manufacturing

Art

Education and Research

Medical Prototypes

Dental

Technical Specifications	Shape 1+	Shape 1+ HD
Build volume	7.56 × 4.25 × 7.48 inch (192 × 108 × 190 mm)	5.67 × 3.19 × 7.48 inch (144 × 81 × 190 mm)
Pixel Size	100 μm	75 μm
Dynamic Layer Thickness	0.05~0.3 mm	
Technology	DLP	
Print Speed	Up to 80mm (3.1 inches) / 1 hour (Depending on the resin type and slicer settings)	
Materials	ShapeMaterials or 3rd party resin brands	
Device Dimension	16.54 ×15.74 × 23.78 inch (420 × 400 × 604 mm)	

**All data mentioned is from our laboratory testing. The printing speed may vary depending on the type of resin used and the printing settings.*

100% Open Material System

P200

Micron Precision

With low optical distortion, high uniformity of light projection, and high stability, P200 can customize the spot size between 32.5-75 μm to meet actual application requirements. The precise transmission system can also achieve dimensional accuracy up to 10 μm*.

High precision

User-friendly

Flex production

Applications:

- Engineering
- Education and Research
- Manufacturing
- Medical Prototypes
- Art
- Audio

Technical Specifications	
Build volume	5.67 × 3.19 × 7.48 inch (144 × 81 × 190 mm)
Pixel Size	75 μm
Dynamic Layer Thickness	0.025 ~ 0.3mm
Technology	DLP
Print Speed	Up to 80mm (3.1 inches) / 1 hour (Depending on the resin type and slicer settings)
Materials	ShapeMaterials or 3rd party resin brands
Device Dimension	16.54 ×16.54 × 35.04 inch (420 × 420 × 890 mm)

**All data mentioned is from our laboratory testing.*
The printing speed may vary depending on the type of resin used and the printing settings.

100% Open Material System

P400

4K Industrial-Grade (24/7 Mass production)

P400 4K DLP 3D printer is RAYSHAPE's heavyweight product for the mass production of terminal parts. It integrates RAYSHAPE's cutting-edge technology. In addition to having a high projection resolution of up to 3840×2160 pixels, it also has a 395mm molding height.

Super large format

Easy to use

24/7

Applications:

- Automotive
- Engineering
- Education and Research
- Manufacturing
- Medical Prototypes
- Art

Technical Specifications	
Build volume	9.84 × 5.51 × 15.55 inch (250 × 140 × 395 mm)
Pixel Size	65 μm
Dynamic Layer Thickness	0.025 ~ 0.3mm
Technology	DLP
Print Speed	Up to 50mm (1.96 inches) / 1 hour (Depending on the resin type and slicer settings)
Materials	ShapeMaterials or 3rd party resin brands
Device Dimension	28.35 ×29.53 × 70.87 inch (720 × 750 × 1800 mm)

*All data mentioned is from our laboratory testing.
The printing speed may vary depending on the type of resin used and the printing settings.

RAYSHAPE / Comparison table

Comparison table of the product series

	Edge S1	Shape 1+	Shape 1+ HD	P200	P400
Type	Entry Level	Professional	Professional	Industrial-grade	Industrial-grade
Technology	LCD	DLP	DLP	DLP	DLP
Build Size	192 × 120 × 190 mm	192 × 108 × 190 mm	144 × 81 × 190 mm	144 × 81 × 190 mm	250 × 140 × 395 mm
Pixel Size	50 μm	100 μm	75 μm	75 μm	65 μm
User Profile	Consumer 3D printer for users with upgrade needs. Ideal for beginners with a limited budget.	Users who require high reliability and low maintenance.	Users who have strict requirements for high reliability and a low maintenance workload.	Users who require micron-level printing accuracy and a large 3D printing load.	Users who require micron-level printing accuracy, a large 3D printing load, high production efficiency, and the ability to process large-sized parts.
Target User	Startups; Small studios; First-time corporate buyer	Educational institutions; Research institutions; Product departments of corporations	Educational institutions; Research institutions; Product departments of corporations	Educational institutions; Research institutions; Product departments of corporations	Educational institutions; Research institutions; Product departments of corporations
Application	Concept prototypes; Functional prototypes; Spare parts; Fixture; Tooling	Concept prototypes; Functional prototypes; Spare parts; Fixture; Tooling	Concept prototypes; Functional prototypes; Spare parts; Fixture; Tooling	Precise components, such as MEMS-related parts and connectors; Medical instruments, such as endoscope parts	Spare parts; Large-size prototypes; Shoe mold; Garage Kit Components
Industry	Education Medical device Consumer electronics Electrical industry Industrial automation Communication Cultural and Creative Industry	Education Medical device Consumer electronics Electrical industry Industrial automation Communication Cultural and Creative Industry	Electrical industry Industrial automation Communication Cultural and creative industry Education Medical instrument Consumer electronics	Electrical industry Industrial automation Communication Cultural and creative industry Education Medical instrument Consumer electronics	Electrical industry Industrial automation Communication Cultural and creative industry Education Medical instrument Consumer electronics

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.

ShapeWash 040S
Ultrasonic Cleaning For Mass production

The ShapeWash 040S is the perfect choice if you need to print large-sized parts with the P400 series models or frequently require high-volume cleaning jobs.

ShapeCure
UV Curing Station

The ShapeCure UV curing machine is for the secondary curing of printed parts to obtain better-performance parts.

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.

Resins

Advanced series

The material offers a good balance of impact, heat, chemical and abrasion resistance.

E-ABS 10
○ White

Functional series

Reduce costs, iterate faster, and bring a better experience to 3D printing.

ESD-T
● Black

Elastic
○ Clear

Tough 20
● Black ○ White

Red-HD
● Brick Red

Clear 10
○ Clear

Pro 10
● Dark Gray

Flexible
○ Clear

Rigid 20
● Black

Hi-Temp 160
● Amber

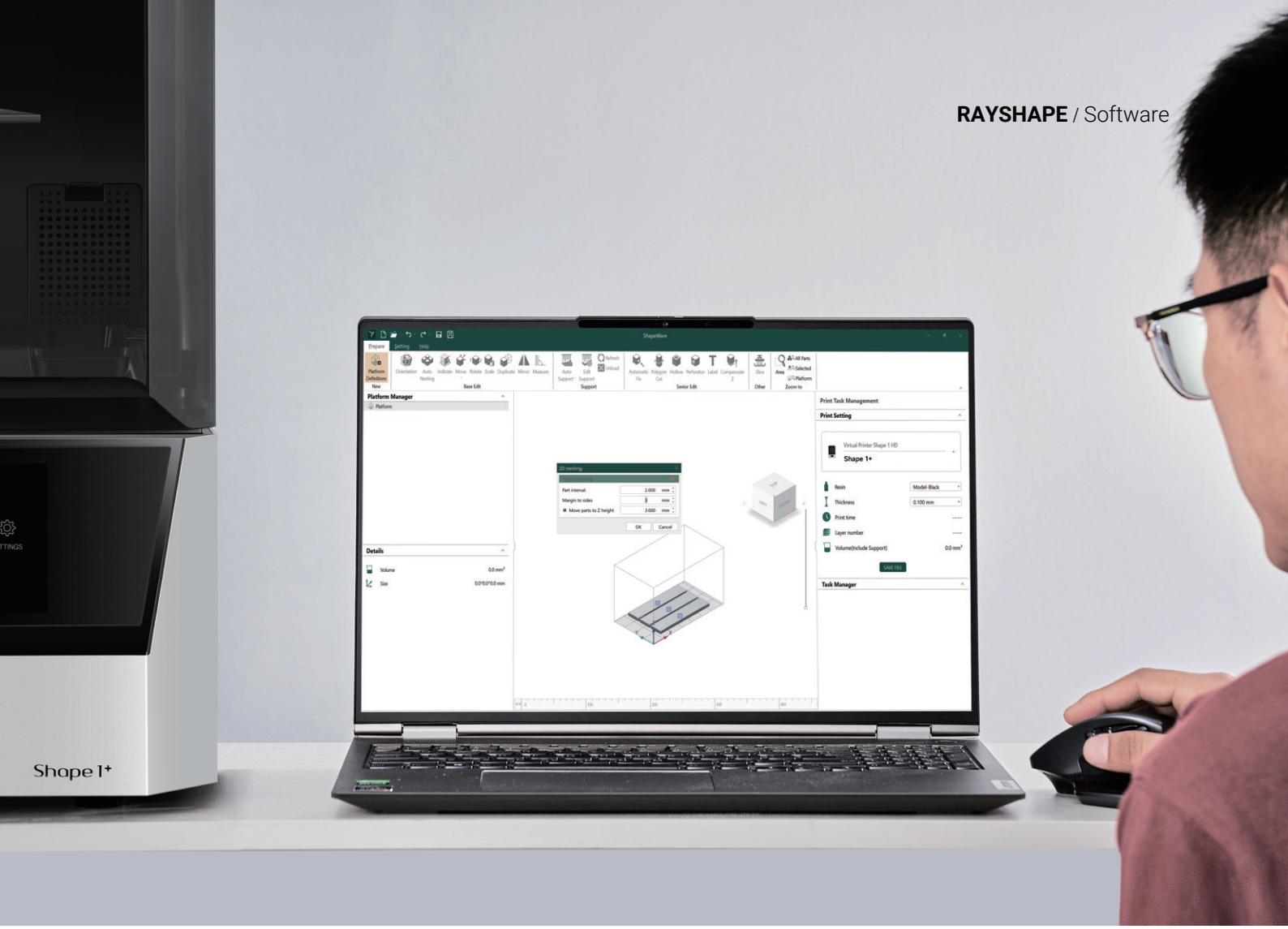
Basic series

Common materials and rapid prototyping. High-quality finishing, high dimensional accuracy, and excellent detail.

Standard
● Black ○ White ● Gray

Detailed
● Orange Yellow

Fast
● Lake Blue



ShapeWare

The software allows the creation of 3D printable files
on RAYSHAPE 3D printers and 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

RAYSHAPE

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