

# Edge E1

## The Ideal Choice To Get Digital

Professional Dental 3D Printer



Fast



Open system



User-friendly



Technical support

**RAYSHAPE**

## Edge E1

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

Applications: Surgical guides - Splints - Gingiva - Try-in - Custom trays - Denture- Record Model - Clear Aligner - Casting - Temporary restoration - Indirect bonding trays

## Technical Specifications

Build volume	192 × 120 × 190 mm
Pixel size	50 μm
Technology	LCD Technology
Dynamic layer thickness	0.05~0.1mm
Printing speed	Up to 40 mm / 1 hour (Depending on the resin type and slicer settings)

### Materials

Available materials	ShapeMaterials Dental Series
Material packaging	1 kg

### Hardware

LCD screen	8.9" 4K mono screen
Light source	405nm LED light source
Resolution	3840×2400 pixels
Door control	Printing will be paused automatically if the hood/door is opened (Optional)
Heating module	Automatic heated build platform
Air filtration	Built-in air filter in printing chamber
Touchscreen	7" touchscreen
Connectivity	USB2.0, Wireless network (2.4GHz), Ethernet

Input	100~240 VAC, 50/60Hz (Depending on the country/region)
Rated power	320 W

### Software

Control system	Self-developed Master.OS
Language	Chinese, English
Slicing software	ShapeWare
Operating system	Windows 7/8/10/11
File format	(Import) .stl, .obj (Export) .rs, .shape

Advanced functions	Support editing, automatic repair, model cutting, hollowing, perforating, labeling
Wireless printing	Deliver printing tasks to specified printer in LAN environment via "One Click" operation
Cluster management	Manage the printing tasks of multiple devices in LAN environment

### Size & Weight

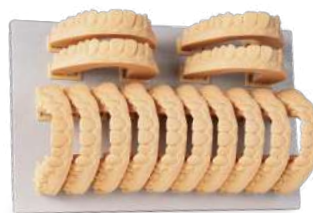
Device dimension	390 × 420 × 535 mm
Net weight	26 kg
Package size	550 × 540 × 900 mm
Package weight	42 kg



Surgical Guides



Implant Models



Aligner Models



Dentures

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