RAYSHAPE

Edge Max

Large Format Dental 3D Printer

One Giant Leap for Dental Production

Accuracy

Reliability

High-Speed

Open System

Edge Max

The Edge Max boasts a massive build volume of 290 × 160 × 190mm, delivering high printing speed, and exceptional precision. It is well suited for various applications, including orthodontics, fixed and removable restorations, and implants, making it a versatile solution for dental labs.

Applications:

Fixed Restoration: Restoration Model, Casting, Temporary Crown & Bridge, etc

Removable Restoration: Custom Tray, Denture, Try-in, etc

Implants: Implant Model, Surgical Guide, Gingiva, etc

Orthodontics: Aligner Model, Record Model, Splint, etc

Technical Specifications

Build Volume	290 × 160 × 190 mm (11.42 × 6.30 × 7.48 in)
Pixel Size	46 µm
Technology	LCD
Layer Thickness	0.05~0.1 mm
Printing Speed	Up to 36 mm/hr

Materials

ShapeMaterials Dental Series & 100+ Prevalidated Materials	
Material Packaging	1 kg, 2.5 kg

Hardware

LCD Screen	13.6-inch 7k
Light Source	405 nm LED
Resolution	6480 × 3600 pixels
Touch Screen	10-inch
Connectivity	USB 2.0, Wireless Network, Ethernet
Input Voltage	100~120 VAC, 4.5 A, 50/60 Hz
	200~240 VAC, 2.1 A, 50/60 Hz
Rated Power	500 W

Software

Control System		Self-developed Master O.S.
Language		Chinese, English
Slicing Software		ShapePanel
Operating System		Windows 7/8/10/11
File Formats	(Import)	.stl, .obj
	(Export)	.rs
Advanced Functions		Editing, automatic repair, model cutting, hollowing, perforating, labeling
Wireless Printing		One-Click Printing Task Transfer within LAN
Cluster Management		Task Management for Multiple Devices within the LAN

Size & Weight

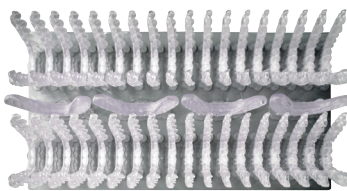|	
Device Dimensions	480 × 500 × 650 mm
Device Net Weight	39 kg
Packaging Size	600 × 600 × 1000 mm
Packaging Weight	60 kg

Implant Model
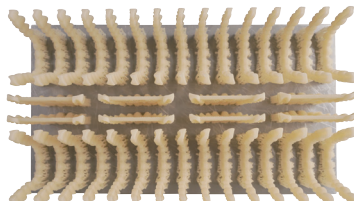30 per print, 90 min

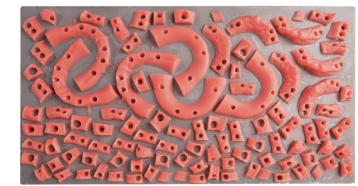**Surgical Guide**
16 per print, 45 min

Denture Base
18 per print, 100 min

Splint
40 per print, 108 min

Temporary Crown
38 per print, 150 min

Gingiva
102 per print, 24 min

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