

Edge Max

Large Format Dental 3D Printer

One Giant Leap for Dental Production



Accuracy



Reliability



High-Speed



Open System

RAYSHAPE

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	0.05~0.15 mm
Printing Speed	Up to 36 mm/hr (Depending on the resin type and slicer settings)
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



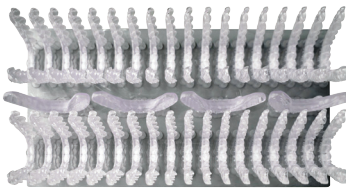
Surgical Guide

16 per print, 45 min



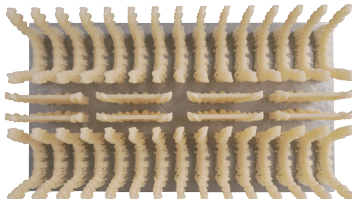
Denture Base

18 per print, 100 min



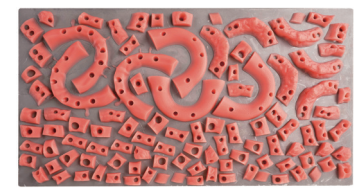
Splint

40 per print, 108 min



Temporary Crown

38 per print, 150 min



Gingiva

102 per print, 24 min

RAYSHAPE

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