

# WORLD'S FASTEST DENTAL 3D PRINTER

## VOXEL SIGNATURE SERIES



### WORLD RECORD SPEED

6 full arches in 5 minutes



### STATE-OF-ART ACCURACY

±50µm, up to 95.87%  
±100µm, up to 99.91%



### OPEN MATERIAL SYSTEM

100+ dental resin compatible



Orthodontics Model



Tray



Night Guard



Gingiva



Surgical Guide



Removable Die Model



Temporary Bridge



Wax Crown



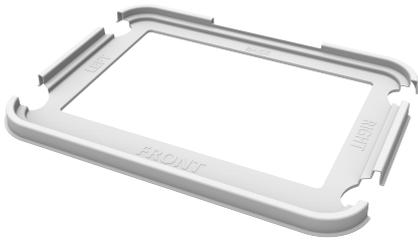
Try-in

# Technical Specification

	DESCRIPTION	SPECIFICATION
PERFORMANCE	Printing Technology	LCD Stereo Lithography
	Build Volume	192 × 120 × 180 mm 7.5" × 4.7" × 7.1"
	XY Resolution	49.8 μm
	Maximum Accuracy*	±10 μm
	Layer Thickness (Z Resolution)	10~200 μm (50, 100 μm recommended)
	Separation Mechanism	Micro-stereo composite peeling structures
	Support	Uniz smart support technology
	Printing Speed**	6 full arches in 5 minutes
STRUCTURAL	Dimension / Weight	380 × 380 × 1230 mm [W×L×H] 15" × 15" × 49" 60 KG/132 LB
	Dimension/Weight (Including packaging)	490 × 490 × 1300 mm [W×L×H] 20" × 20" × 51" 65 KG/144 LB
	Operating Temperature	18~28° C (64~82° F)
	Power Requirement	110V/60Hz 6A 220V/50Hz 3A
	Optical System	4th Generation Collimated Light Source
	Mechanical	Cast Aluminum & CNC, Sheet Metal
	Connectivity	USB Flash Drive, Wi-Fi, Ethernet
	Control Panel	7" Touch Screen
SOFTWARE	System Requirement	Windows 10 and up (64-bit only) Mac OS X 11.4 and up (64-bit only) 16GB RAM, OpenGL 2.1, Discrete Graphics
	Advanced Features	Built-in Advanced Model Repair, Dentist and Technician Friendly, Ultra Large File Support (1GB+)
	Slice Format	ZSLR
	Compatible Format	STL, OBJ, AMF, 3MF

\* The indicators are obtained with specific testing models and may vary among different ones.

\*\* Speed achieved with 6 standard aligner models sliced at 100 microns.



## Resin Tank Splash Guard

- Dimensions:** 285 × 213 × 14mm  
**Material:** Photosensitive Resin  
**Function:** Prevent resin splashing during the printing process  
**Feature:**
- ① Optimized for high-speed printing
  - ② Easy to use



## Resin Tank

- Dimensions:** 276 × 192 × 30mm  
**Material:** NFEP  
**Function:** General Standard Resin Tank, featuring a single-layer NFEP release film with low peel force.  
**Feature:**
- ① Low release force
  - ② Optimized for high-speed printing



## Build Platform

- Dimensions:** 200 × 130 × 71mm  
**Material:** Aluminum  
**Function:** Universal Standard Build Platform, compatible with various types of resin printing, capable of printing 6 full arches in one go.  
**Feature:** Diverse Applications in Dentistry



## zDental Model V Stone

- Specification:** 500 g/Bottle  
**Color:** Stone  
**Intended Use:** Orthodontic Models, Aligner Models  
**Feature:**
- ① Excellent precision
  - ② High reliability
  - ③ High strength
  - ④ Easy-cleaning
  - ⑤ Well anti-sedimentation compatibility