

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





NBE

Night Guard

Gingiva











Surgical Guide

Removable Die Model

Temporary Bridge

Wax Crown

Try-in

Technical 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 Dimension / Weight 380 * 380 × 1230 mm [W×L×H] 15' × 15' × 49' 60 KG/132 LB Dimension / Weight 380 * 380 × 1230 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 Pannel 7'' Touch Screen SOFTWARE System Requirement Windows 10 and up (64-bit only) Mac OS X 11.4 and up (64-bit only) Mac		DESCRIPTION	SPECIFICATION
PERFORMANCE 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 Dimension / Weight 380 × 380 × 1230 mm [W×L×H] 15" x 15" x 49" 60 KG/132 LB Dimension / Weight 20° × 20° × 51" (Including packaging) 20° × 20° × 51" 65 KG/144 LB 0 Operating Temperature 18~28° C (64~82° F) Power Requirement 110V/60Hz 6A 2200V/50Hz 3A 0ptical System Machanical Cast Aluminum & CNC, Sheet Metal Connectivity USB Flash Drive, Wi-Fi, Ethernet Control Pannel 7" Touch Screen SOFTWARE Advanced Features Built-In Advanced Model Repair, Dentist and Technician Friendly, Ultra Large File Support (1GB+) Slice Format ZSLR		Printing Technology	LCD Stereo Lithography
PERFORMANCE 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 Dimension / Weight 380 × 380 × 1230 mm [W*L*H] 15" × 15" × 49" 60 KG/132 LB Dimension/Weight 490 × 490 × 1300 mm [W*L*H] (Including packaging) 20" × 20" × 51" Operating Temperature 18~28° C (64~82° F) Power Requirement 110V/60Hz 6A 220V/50Hz 3A Optical System Optical System 4th Generation Collimated Light Source Mechanical Cast Aluminum & CNC, Sheet Metal Connectivity USB Flash Drive, Wi-Fi, Ethernet Control Pannel 7" Touch Screen SOFTWARE System Requirement Windows 10 and up (64-bit only) Mac OS X 11.4 and up (64-bit only) Mac OS X 11.4 and up (64-bit only) 10GB RAM, OpenGL 2.1, Discrete Graphics Softwaree File Support (1GB*) SIGe Format ZSLR		Build Volume	
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Mechanical Cast Aluminum & CNC, Sheet Metal Connectivity USB Flash Drive, Wi-Fi, Ethernet Control Pannel 7" Touch Screen 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 SOFTWARE Advanced Features Built-in Advanced Model Repair, Dentist and Technician Friendly, Ultra Large File Support (1GB+) Slice Format ZSLR	STRUCTURAL	Power Requirement	
Connectivity USB Flash Drive, Wi-Fi, Ethernet Control Pannel 7" Touch Screen 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 SOFTWARE Advanced Features Built-in Advanced Model Repair, Dentist and Technician Friendly, Ultra Large File Support (1GB+) Slice Format ZSLR		Optical System	4th Generation Collimated Light Source
Control Pannel 7" Touch Screen 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 SOFTWARE Advanced Features Built-in Advanced Model Repair, Dentist and Technician Friendly, Ultra Large File Support (1GB+) Slice Format ZSLR		Mechanical	Cast Aluminum & CNC, Sheet Metal
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 SOFTWARE Advanced Features Built-in Advanced Model Repair, Dentist and Technician Friendly, Ultra Large File Support (1GB+) Slice Format ZSLR		Connectivity	USB Flash Drive, Wi-Fi, Ethernet
SOFTWARE Advanced Features Mac OS X 11.4 and up (64-bit only) 16GB RAM, OpenGL 2.1, Discrete Graphics SOFTWARE Built-in Advanced Model Repair, Dentist and Technician Friendly, Ultra Large File Support (1GB+) Slice Format ZSLR		Control Pannel	7" Touch Screen
SOFTWARE Dentist and Technician Friendly, Ultra Large File Support (1GB+) Slice Format ZSLR	SOFTWARE	System Requirement	Mac OS X 11.4 and up (64-bit only)
		Advanced Features	Dentist and Technician Friendly,
Compatible Format		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:	${f 1}$ Excellent precision
	② High reliability
	③ High strength
	(4) Easy-cleaning
	⁽⁵⁾ Well anti-sedimentation compatibility

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