

# Technical Specifications

PERFORMANCE	Printing Technology	Masked Stereolithography (MSLA)
	Build Volume	198 × 124 × 180mm 7.8" × 4.9" × 7.1"
	XY Resolution	34µm
	Maximum Accuracy*	±10µm
	Layer Thickness (Z Resolution)	10~200µm ( 25, 50, 100µm recommended )
	Separation Mechanism	Patented Low Force Stereo Peeling Technology Micro-stereo Composite Peeling Structures Unit ( MPS )
	Support	UNIZ Smart Support Technology
Printing Speed**	8 Aligner Models in 5 Minutes	
HARDWARE	Dimension / Weight	383 × 712 × 425 mm [W×H×D] 15.1" × 28" × 16.7" 34KG / 75LB
	Operating Temperature	18~28° C ( 64~82° F )
	Power Requirement	110V 6A / 220V 3A 60 Hz / 50 Hz
	Optical System	5 <sup>th</sup> Generation Collimated Light Source
	Mechanics	Injection Molding & CNC, Sheet Metal
	Connectivity	USB Flash Drive, Wi-Fi, Ethernet
	Control Pannel	7" Touch Screen
	Slice Format	zslr
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

\* Maximum accuracy is only achievable at integer multiples of smallest pixel sizes.

\*\* Aligner model, 130µm layer thickness.

# UBEE

## World's Fastest Desktop Dental Powerhouse



## Ultrafast, Intelligent, Rock-Solid

# Core Features

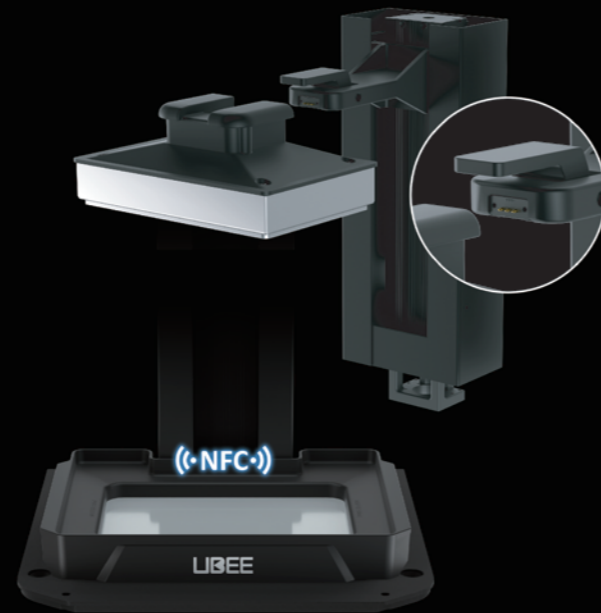
## Liquid Cooling Empowered High Power Photocuring System

- ❖ Mask Panel Liquid Cooling System
- ❖ Light Processing Unit 6 (LPU 6)
- ❖ Force Sensing Display Panel (FSD Module)
- ❖ Intelligent Control Systems



## Smart Identification System (SIS)

- ❖ With NFC and ID Sensing Board Inside
- ❖ Automated Resin Tank Detection
- ❖ Automated Build Platform Detection



## Industrial Robot - KK Linear Module

- ❖ High-Precision Ball Screw, Servo Motor Control System
- ❖ Ultra-High Rigidity and Longevity



## Smart Sensor & Control System (SSCS)

- ❖ FSD Module - 4 Z-Axis Force Sensor Integrated into the LPU Panel
- ❖ Foreign Object Detection
- ❖ Printing Mechanics Control System



# UNIZ Dental Software

Uniz Dental software enhances precision and efficiency in dental procedures.



### Conversion Capabilities

Trimming, filling, hollowing, drain hole, adding base, and text marking enable the conversion of oral scan data to dental models.



### User-Friendly Process

The application-based process is simple and easy to use.



### Intelligent Placement

Auto-orientation and auto-layout features ensure intelligent placement.



### Risk Detection

The enclosed chamber (cup) and collision detection intelligently identify printing risks.



### AI-Powered Support System

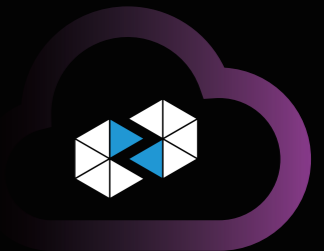
Automatically generates optimized support structures for maximum printing success and easy part removal.



### Model-to-Platform Check

Instant model-to-platform check for seamless printing.

## UNIZ Cloud



Revolutionize your printing process with our intelligent platform designed for workshops and labs.

- 📁 Remotely upload and send sliced files
- 📊 Real-time task monitoring and management
- 📈 Visual data analytics for better scheduling
- 📊 Detailed printer status monitoring
- 🔔 Instant task completion notifications

