# 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.

**One-Click Printing**
Eliminates complex procedures, making dental 3D printing more efficient.

**Model-to-Platform Check**
Instant model-to-platform check for seamless printing.

# Technical Specification

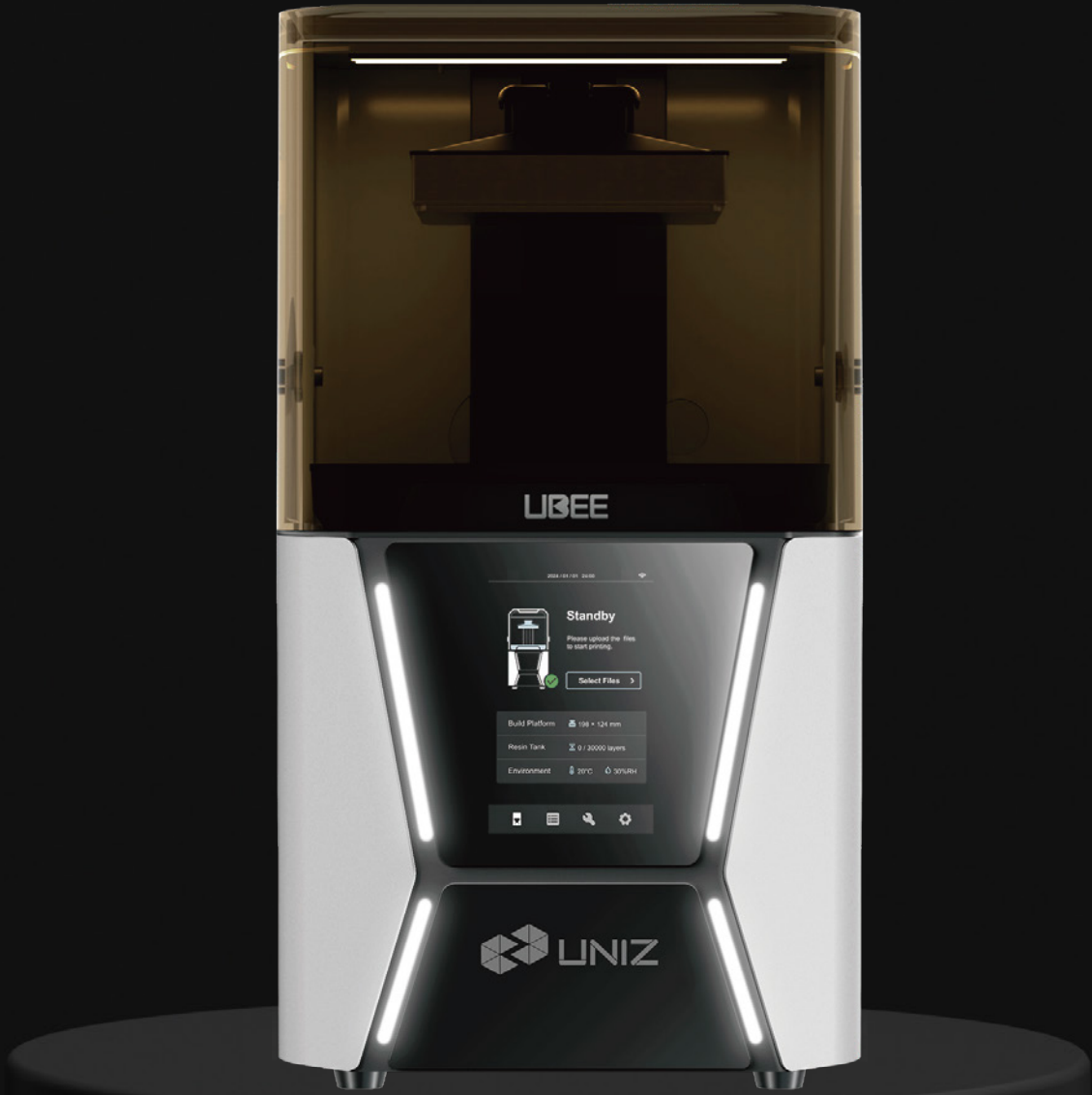| | | |
|---|---|---|
| **PERFORMANCE** | Printing Technology | Masked Stereolithography (MSLA) |
| | Build Volume | 198 × 124 × 180mm |
| | | 7.8" × 4.9" × 7.1" |
| | XY Resolution | 34μm |
| | Maximum Accuracy* | ±10μm |
| | Layer Thickness (Z Resolution) | 10~200μm ( 25, 50, 100μm recommended ) |
| | Separation Mechanism | Patented low force stereo peeling technology |
| | | Micro-stereo composite peeling structures Unit ( MPS ) |
| | Support | Uniz smart support technology |
| | Printing Speed** | 8 dental models in 5 minutes |
| **HARDWARE** | Dimension / Weight | 383 × 425 × 712 mm [W×H×D] |
| | | 15.1" × 16.7" × 28" |
| | | 34KG / 75LB |
| | Operating Temperature | 18~28° C ( 64~82° F ) |
| | Power Requirement | 110V 6A / 220V 3A |
| | | 60 Hz / 50 Hz |
| | Optical System | 5th Generation Collimated Light Source |
| | Mechanical | Injection Molding & CNC, Sheet Metal |
| | Connectivity | USB Flash Drive, Wi-Fi, Ethernet |
| | Control Pannel | 7" Touch Screen |
| | Slice Format | zslr |

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

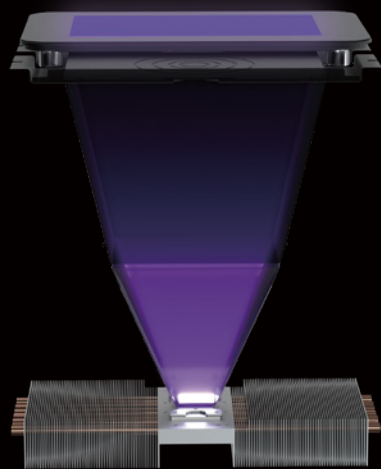** The test models are Aligner models with a layer thickness of 130μm.

UNIZ

# UBEE

## World's Fastest
## Desktop Dental Powerhouse



# Ultrafast, Intelligent, Rock-Solid

# Core Features

## Liquid Cooling Empowered High Power Photocuring System (LEPH 2.0)

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

## Smart Sensor & Control System (SSCS)

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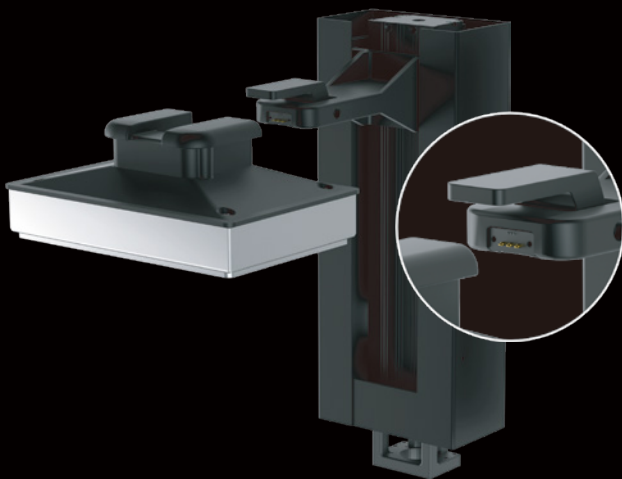- ❖ Printing Mechanics Control System

## Industrial Robot - KK Linear Module

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

## Smart Identification System (SIS)

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

## UNIZ Cloud

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

- 📄 Real-time task monitoring & management
- 📊 Detailed printer status monitoring
- 📈 Visual data analytics for better scheduling
- 🔔 Instant task completion notifications