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 and Control System (SSCS)

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

Smart Identification System (SIS)

- ❖ With NFC and ID Sensing Board Inside
- ❖ Automatically resin tank detection
- ❖ Automatically build platform detection

Industrial Robot - KK Linear Module

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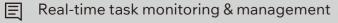
Technical Specification

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 printing efficiency is based on the test model, it may differ from one to another.

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

UNIZ Dental Software

Uniz Dental software enhances precision and efficiency in dental procedures.

Conversion Capabilities
Hollowing, filling, perforating, 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
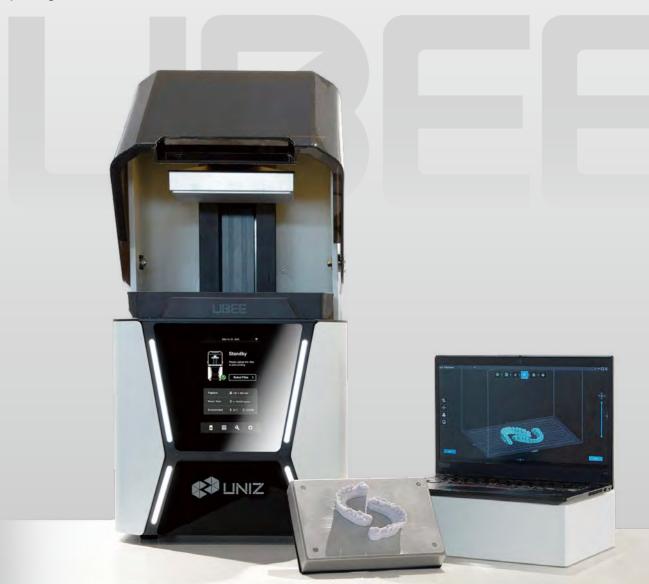The enclosed chamber (cup) and collision detection intelligently identify printing risks.

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

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