







- COMPANY INTRO
- PRODUCT FEATURES
- DENTAL APPLICATIONS



### **COMPANY INTRO**

Shenzhen Creality 3D Technology Co., Ltd. is a national high-tech enterprise in China and a leading brand in printing industry around the world. Creality has been focusing on the R&D and manufacture of 3D printers on LCD, DLP and FDM series, as well as more than 420 patents on industrial, educational and consumer-grade 3D printer.

Creality is headquartered in Shenzhen and has many local supports in Germany, USA, Brazil, Chile, France, Italy and other countries. In addition, Creality has established industry-university-research teaching practice bases in cooperation with many universities, we have complete R&D, manufacturing, after-sales system and strong technical strength. Creality has more than 1,700 employees, a total production area of nearly 50,000m², and an annual production capacity of over 1,000,000 printers. We have built advanced large-scale R&D centers, 3D printing laboratories, Creality Research Institute, and modern production lines.



420+

3D Printing patents

500+

Professional R & D Personnel

50,000+<sub>m<sup>2</sup></sub>

Total Production Area

192

Countries and Regions

**2,500,000**+ Global Users

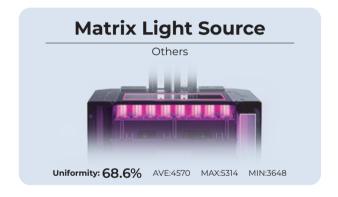
1,000,000+units

Annual shipments

# **High Precision and Uniformity**

The self-developed integral light source adopts the reflection & refraction to make the light intensity distribution of the whole screen uniform, and each dimension of the model with consistent accuracy.





At the heart of the HALOT series is Integral Light Source, a new type of resin 3D printing technology developed by Creality.

Different from the well-known Parallel Emission,
Integral Light Source's working principle is based on reflection and refraction.
This process assures higher precision 3D printing by improving the lighting evenness and reducing the negative impact of broken or malfunctioning LED units.

If you need to print a highly-detailed model, whether it be a large or small design, HALOT series is right there to ensure the job gets done.

# **Longer Service Life**

### **Integral Light Source:**

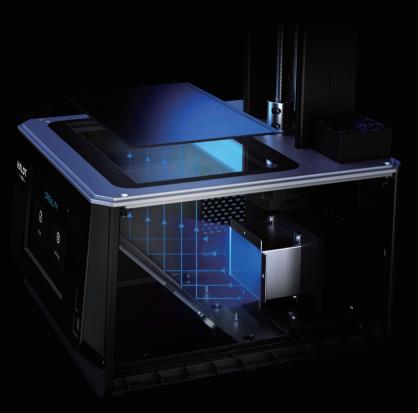
Comprised of five lights and each with four emission chips.

Largely reduced the impacts from broken units, providing a more stable printing environment.

### Parallel Emission:

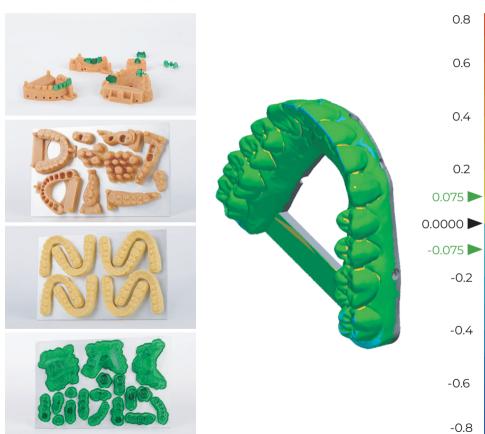
Adopts a UV LED matrix with less even emission.

More easily impacted by the broken units.



<sup>\*</sup>Statistics provided by Creality Lab, there may be minor deviations.

# **Dental applications**





ACC	
Min.	-0.1796
Max.	0.1853
Aug.	0.003
RMS	0.0456
Std.Dev.	0.0455
Var.	0.0021
+Avg.	0.0366
-Avg.	-0.0358
In Tol.(%)	90.6981
Out Tol.(%)	9.3019
Over Tol.(%)	4.7467
Under Tol.(%)	4.5552

# **Halot Series 3D Printer**



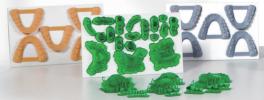






# **HALOT SKY/L89**







## **HALOT SKY/L89**

### **Self-developed Integral Light Source Technology**

Build Size 192\*120\*200mm

Machine Size 340\*292\*552mm

Molding Tech: LCD

Print Speed: 1-4s/layer

Layer Thickness:

0.01-0.2mm

XY Axis Accuracy: 0.01~0.05mm



### **Integrated Light Source**

Self-developed light source with high evenness, high precision and high luster.



### **High-stability Z-axis**

Dual linear guide rails of Z-axis+ball screws to improve printing stability.



### Al Hardware Brain

Super data-processing mainboard improves printing efficiency.



### Sensitive Slicing

Self-developed slicing software with simplified user interface for easy operation.



#### WiFi-APP Control

Creality APP intelligent control instantly monitors the printing status.



### 4K Monochrome Screen

Standard service life of 2000h with 1-4s curing time per layer.

## **Product Parameters**

Machine size: 340*292*552mm	Machine weight: 16.5KG
XY axes precision: 0.01-0.05mm	▶ Printing speed: 1-4s/layer
Layer thickness: 0.01-0.2mm	▶ Touch screen: 5-inch color touch screen
LCD resolution: 3840*2400	▶ Printing material: Photosensive resin
Light source: Integral light source	▶ <b>Z-axis type:</b> Dual linear guide rails+ball screw
▶ Feeding holder: Compatible with LD-006 feeding Groove ▶ UI style: Creality UI style	
Packing weight: 22.45KG	▶ Packing specifications: 480*425*720mm
Print size: 192*120*200mm	▶ Supprot language: Support 12 languages



# **HALOT ONE PLUS/L79**

### **Smart Printer Large and Precise**

Machine Size 236\*243\*418mm

Print Size 172\*102\*160mm package size: 310\*300\*530mm

XY-axis precision: 0.04mm

Print speed: 1-4s / layer

working principle: Integral Light Source



### 7.9-inch 4K Mono LCD

Larger display, 172\*102\*160mm build volume, vividly printing out every detail of big models.



### Self-developed Integral Light Source

Enhanced printing precision by vastly improving the lighting evenness.



### **Creality Cloud App**

Cloud slicing and one-click printing anytime and anywhere.



### Z-axis with Dual Linear Rails

Guarantee stable movement, largely improving the success rate.



### 5-inch HD Touch Screen

Support 14 languages with clear model preview and selection.



### High-performance Mainboard

Powerful inner strength in data and images processing.



## HALOT ONE/L60

### **High-performance Integral Light Source 3D printer**

Machine Size 221\*221\*404mm

Print Size 127\*80\*160mm package size: 295\*295\*545mm

XY-axis precision: 0.01-0.05mm

Curing speed: 1-10s / layer

Pringting filament: Photosensive resin



### Integral Light Source

Unique integral reflection light source structure with the uniformity of above 90%.



### **New Operating Software**

5-Inch new touch screen, simple interface, easy to control.



### Powerful Kernel

Self-developed mainboard embraces strong computing and image processing capabilities.



### OTA Online Upgrade

Support online cloud upgrade and local upgrade.



### Slicing Software

Self-developed slicing software with simplified interface for easy operation.



### **Precision Z-axis Module**

Precision Z-axis control system for micron-level precision control.

# Washing/Curing machine





### **UW-01**

### 2-in-1 Washing and Curing Machineg

Speed:

Washing Size 170\*120\*160mm

**Curing Size** ø165\*200mm UV Lamps: 405nm9pcs+385nm9pcs

wash/Cure Mode: 2min-90min Time: Quick/Normal/Slow



### **Dual-band UV Light Beads**

18 LED light beads.



### Three-gear Speed

Regular.fast.slow can be optioned.



### 2-90mins Optional

Choose the right time for printing



### **Rotating Platform**

Curing rotating platform with 360°constant rotation.



### **Suspended Function** Remove hood.

stop working.



### Two Washing Ways

Clean in container respectively or together with the printing board.



### **UW-02**

### All-in-one Washing/Curing Machine with large size

Washing Size 240\*160\*200mm

Curing Size ø200\*300mm

UV Lamps: 405nm9pcs+385nm12pcs

Mode: Wash/Cure

Time: 2min-30min

Speed: Quick/Normal



# 360°

### Washing&Curing Machine

Large space for washiing and curing meets the larger size processing demand.

### 360° all-around curing

360° specular reflection curing rotating platform with dual band LED beads.

### Multi-cleaning Modes

Two model cleaning modes: Washing basket cleaning+ platform hanging cleaning.



### **Rotating Platform**

Customized magnetic large fan blade for super large vortex high-speed cleaning.



### Sealable Washing Basket

Accommodate to larger-size model cleaning.



### Optional Speed&Time

Adjustable fast and medium speed for more time choices.

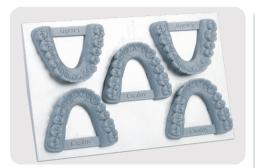
# **Dental Resins**



Water-washable Ortho Dental Model · Dental Model · Dental Cast Resin



### Water-washable Ortho Dental Model















Color: Yellow,Gray

**Usage:** Invisible aligner

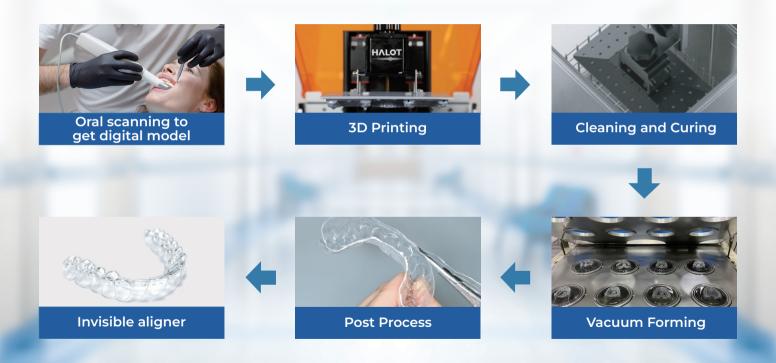
Rapid Curing Heat Resistance No Al

No Alcohol Wa

Water Washable

## **Dental Model:**

## anti-scratch · high precision · low shrinkage



# Perfect for restoration and implant model









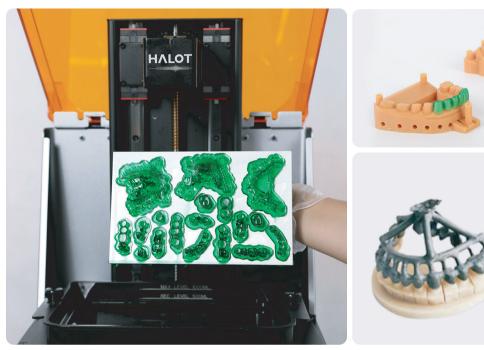




Color: Orange brown

**Usage:** 1.Invisible aligner (higher precision than Water-washable Ortho Dental Model); 2.removable die dental model

## **Dental Cast Resin**









Color: Green

**Usage:** 1.Casting copings and substructures;

2.Pressing and casting full contour crowns; 3. Casting removable partial denture frameworks.



### Vividly prints out every detail

Perfectly print out micro-holders of 0.1-0.3 mm for models with complicated structures.

High precision and enhanced speed vastly improve the 3D printing experience.





## CREALITY



Scan the Code to Follow

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