

TECHNICAL PARAMETERS

LCD Screen	10.1-inch 16K high-transparency screen
Light Source System	405nm COB light source + Fresnel lens
Build Volume	211X118X100mm
Resolution	15120X6230
Pixel size	14X19μm
Layer Height	0.05-0.1mm
Printing Speed	Max. 35mm/h
Chamber heating	Temperature range 20-35°C
Printing Platform	Quick-release design, Hard-anodized build platform
Printing Tank	Quick-release design, High-temperature UV-resistant release film
Touch Screen	5-inch color screen
File Format	STL, OBJ
Data Transmission	USB, WIFI
Input voltage	100-240V, 50/60Hz
Rated Power	650W
Printer Size	440x400x536mm
Printer Weight	23kg

EZPRINT-F1

16K resolution | 95% light uniformity
Large format high-speed printing



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V1-251120



Everyone with a healthy and beautiful smile

ULTRA-HIGH PRECISION DENTAL LCD 3D PRINTER



Ultra high precision

16K ultra-high-resolution LCD printing screen, 14 X 19 μ m pixel size, restoring design details



Overall uniform lighting

High-power light source system combined with light intensity calibration technology, achieves 95% light uniformly to control ensuring full-size printing consistency



Efficient production

Large-size platform with [high-speed printing technology](#) to meet mass production needs

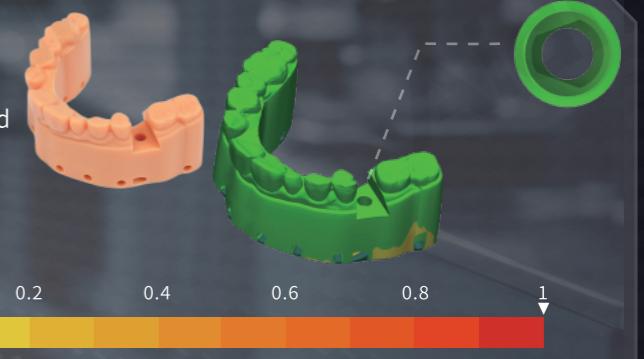


Easy to use

One-touch automatic slicing and printing, [quick-release platform and resin tank](#), constant temperature control

EASILY MEET THE NEEDS OF RESTORATIONS

- The crown fits accurately without looseness
- Fit adjustments for analogs in implant models
- 90% overlap rate between dental model and design file^{*1}
- Model deformation rate <3% after 15 days^{*2}



^{*1}: Scanning after the dental model is printed, and comparing with the design model data

^{*2}: Scanning after the dental model is printed, and scanning again after 15 days, compare these two data, the overlap rate value under the tolerance of 0.05mm is ≥97%.

UNIFORM AND CONSISTENT PRINTING

- **Integrated area light source (COB)**

High energy, excellent uniformity, comparable to DLP light source life

Print consistency of the same model between batches **95%**

Light uniformity **95%**

- **Fresnel lens**

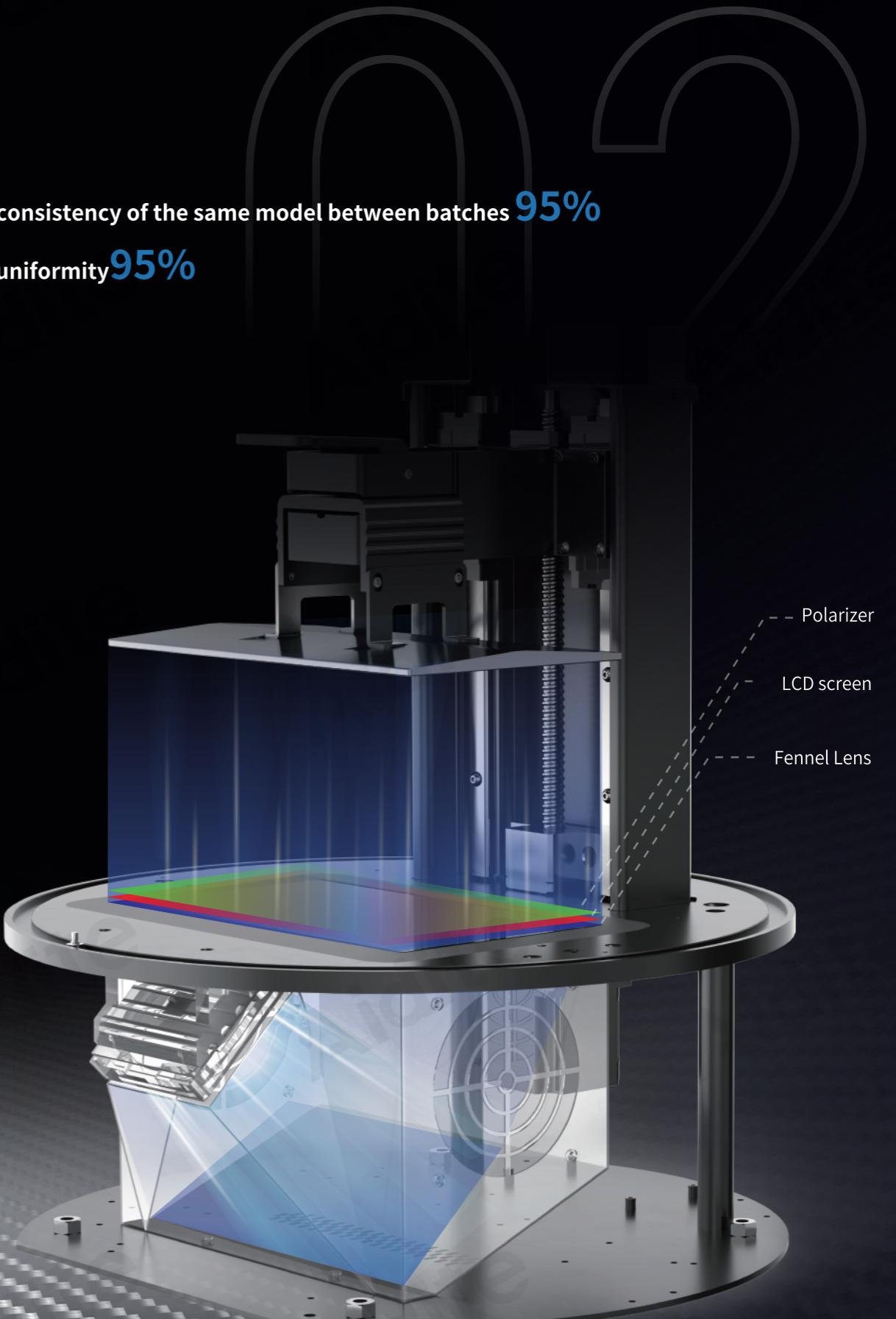
Precisely control the light direction to achieve collimation and improve screen transmittance

- **Pre-set polarizer**

Increase transmittance and contrast, extend the service life of screen

- **16K Print screen**

Increase transmittance and contrast, extend the service life of screen

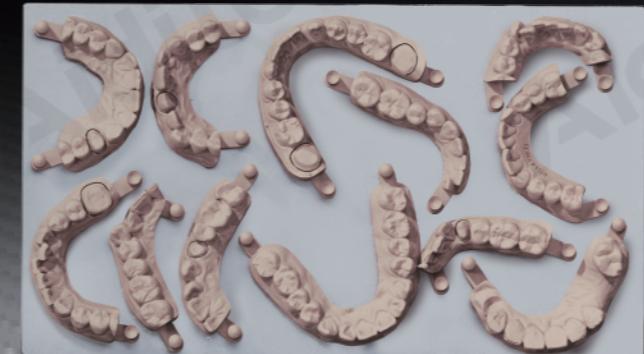


UNLOCKING THE ACCELERATION OF EFFICIENT PRODUCTION

One-touch automatic slicing and printing



- **Model editing:**
hollowing, cutting, punching, filling, labeling
- **Layout:**
auto orientation, auto support addition, support parameter setting
- **Detection and repair:**
model defect, collision, cavity, overhang detection
- **Algorithm optimization:**
material compensation algorithm, feature compensation algorithm



Restoration dental model
Print 12 models in 30 minutes

THINK OF THE DETAILS



Safety door lock
Protect the operator's personal safety



Dual linear guide with ball screw
Eliminate Z-axis swing and improve stability



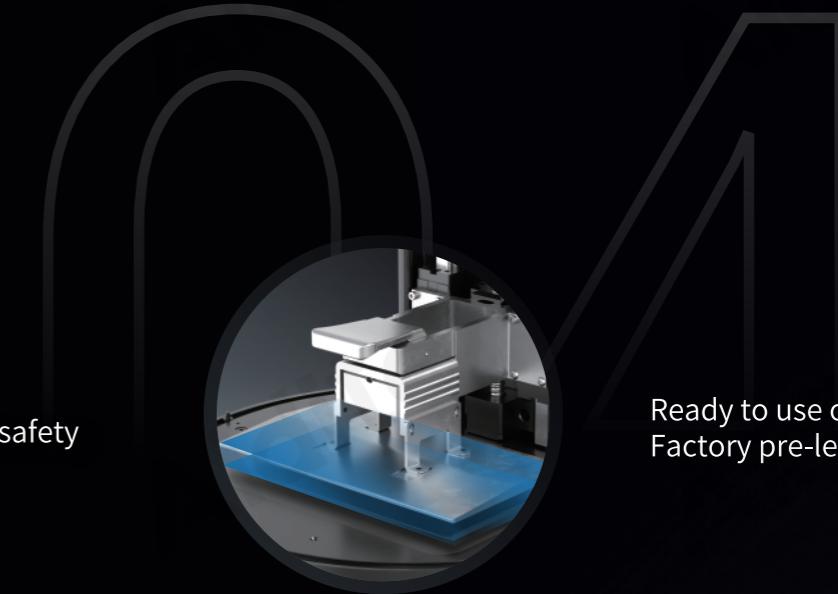
Laser engraving sandblasting oxidation
platform with strong adhesion



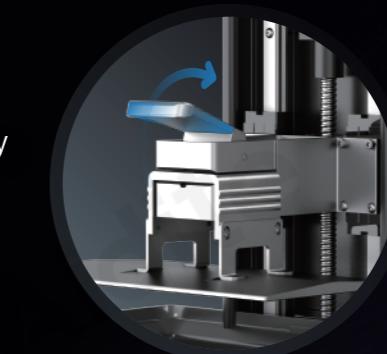
Sandblasting oxidation process
Strong adhesion to the platform



Transmission via WIFI and USB,
suitable for different usage scenarios



Ready to use out of the
Factory pre-leveling



Quick-release platform for
easy model removal



Quick-release resin tank for
fast application switching



Chamber thermostatic
control system to maintain
resin activity and fluidity

AIDITE DENTAL 3D PRINTING SOLUTIONS

5



restoration model



Tryin



Orthodontic model



Surgical guide



Casting wax