

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



ULTRA-HIGH PRECISION DENTAL LCD 3D PRINTER



Ultra high precision

16K ultra-high-resolution LCD printing screen, 14 X 19μm 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

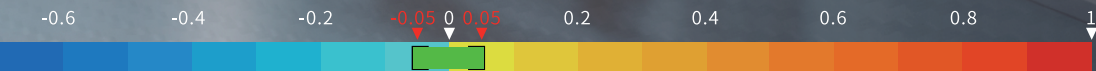
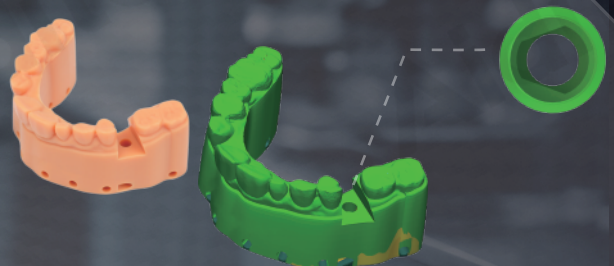


Easy to use

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

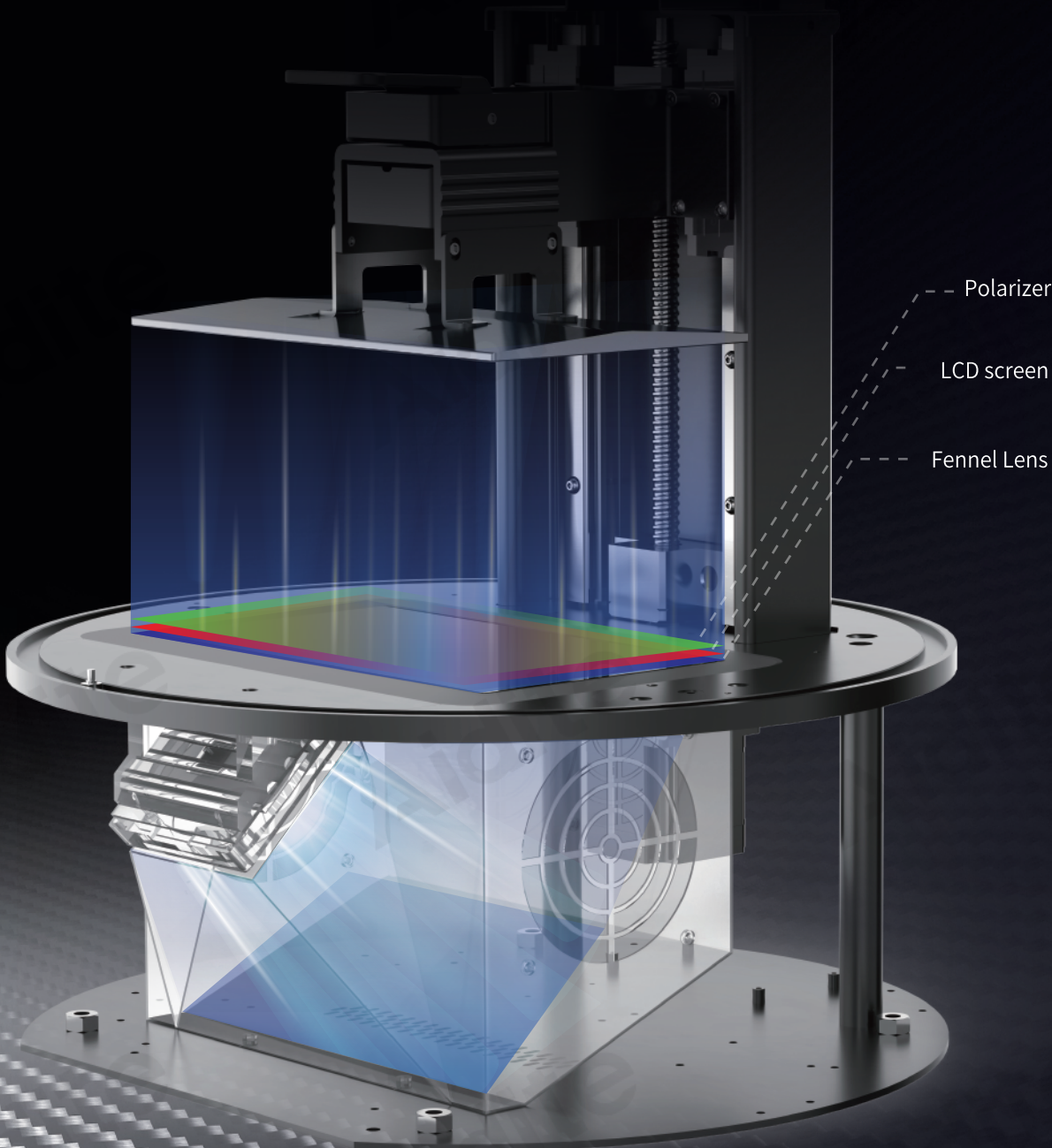


*1: Scanning after the dental model is printed, and comparing with the design model data
*2: Scanning after the dental model is printed, and scanning again after 15 days, compare these two data, the overlap rate value under the tolerance of 0.05mm is ≥97%.

UNIFORM AND CONSISTENT PRINTING

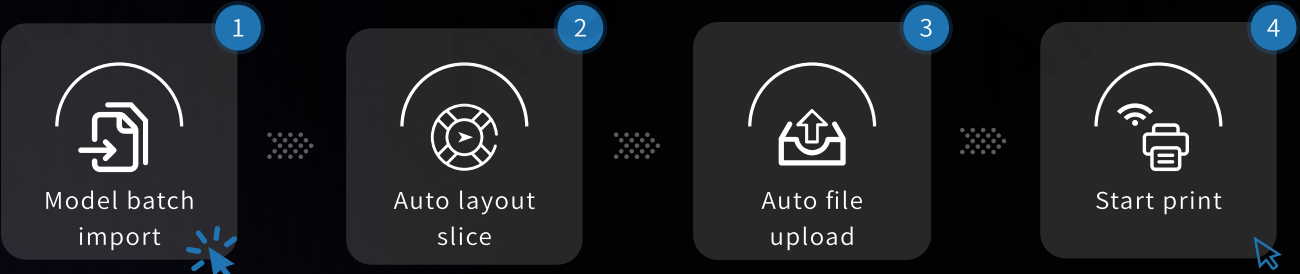
- **Integrated area light source (COB)**
High energy, excellent uniformity, comparable to DLP light source life
- **Fresnel lens**
Precisely control the light direction to achieve collimation and improve screen transmittance
- **Pre-set polarizer**
Increase transmittance and contrast, extend the service life of screen
- **16K Print screen**
Increase transmittance and contrast, extend the service life of screen

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



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



Large format high-speed printing

- 211X118mm printing size
- 5000 μ W exposure intensity, shorter single-layer printing time
- High-speed release film, 10% lower release force



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



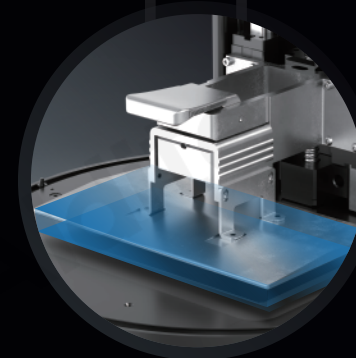
Laser engraving sandblasting oxidation
platform with strong adhesion



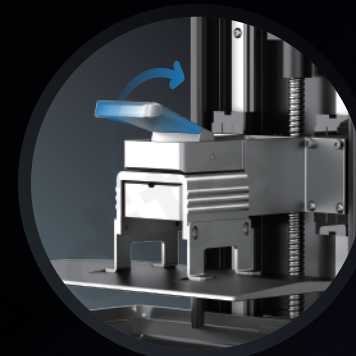
Sandblasting oxidation process
Strong adhesion to the platform



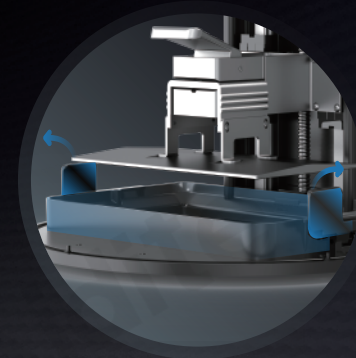
Transmission via WIFI and USB,
suitable for different usage scenarios



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

n5



restoration model



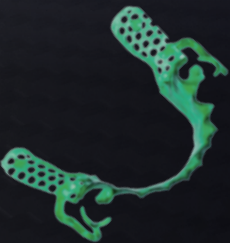
Tryin



Orthodontic model



Surgical guide



Casting wax