PIOCREAT

PioNext DJ89PLUS

DESIGNED FOR DENTAL APPLICATIONS

ULTIMATE COST PERFORMANCE

228×128×100mm
Print size

95.5088%
Within Tol

29µm
XY axis accuracy

PioNext
PioNext

PioNext
活动假牙基托

Why Choose PioNext-DJ89PLUS

LCD Integral Light Source

Exclusive patented technology

High Success Rate

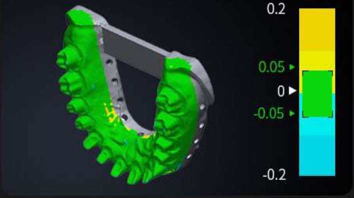
Irradiation uniformity: >90%

Within Tol: >95.5088%

Comparison accuracy: 0.05

Balance Efficiency and Precision

"<20 min" Rapid printing of standard models with an accuracy of up to 29μm

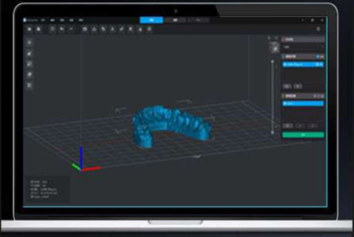


Excellent mechanical properties

Dual linear guide rails + ball screw

Piocreat BOX_Dental

Full dental resin parameter program
Smart layout slicing
WIFI remote printing

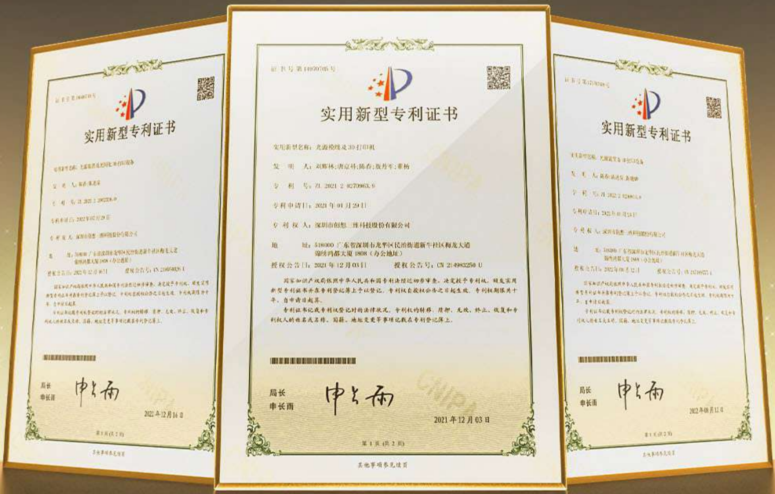


Time-saving and hassle-free, one-stop cleaning and printing

Official support for dental specialty resins, curing machines, cleaning machines and related accessories

Integral Light Source Industry-leading Lighting System

The advantage of the Integral Light Source System is that it improves printing accuracy and quality and reduces light curing errors during printing.



证书号第14930705号

实用新型专利证书

实用新型名称：光源模组及3D打印机

发 明 人：刘辉林;唐京科;陈春;敖丹军;董杨

专 利 号：ZL 2021 2 0270963.9

专利申请日：2021年01月29日

专 利 权 人：深圳市创想三维科技股份有限公司

地 址：518000 广东省深圳市龙华区民治街道新牛社区梅龙大道锦绣鸿都大厦1808（办公地址）

授权公告日：2021年12月03日 授权公告号：CN 214983250 U

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局长
申长雨

2021年12月03日

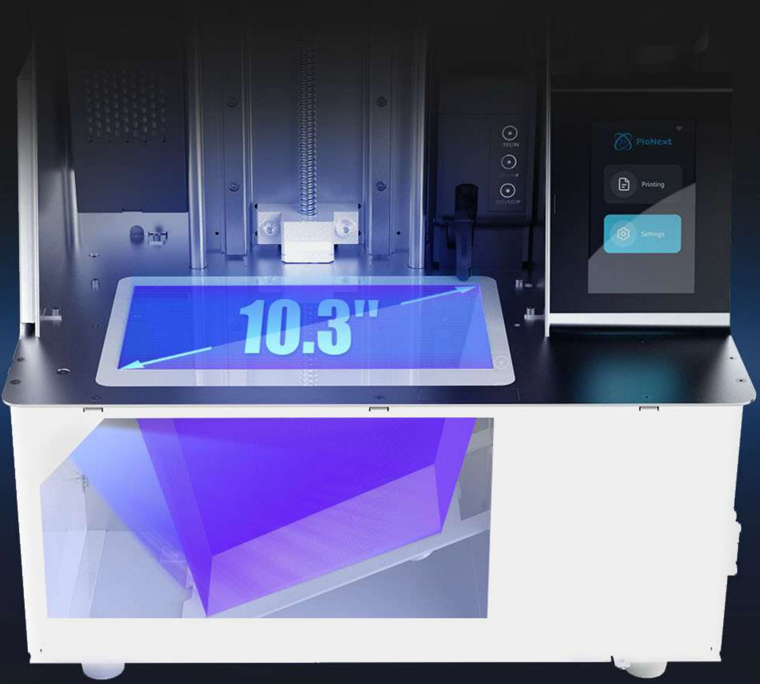
第1页（共2页）

其他事项参见续页

Integral Light Source utilizes multiple points of light to reflect and converge on a single point to form a more uniform and stable irradiation effect.

DJ89PLUS is equipped with a high-power Integral

Light Source, which improves **the optical efficiency by 200%. ↑**



Grayscale Compensation

We process the printing screen of each DJ89PLUS machine with Grayscale Compensation to ensure that the light uniformity reaches more than 90%, increase the printing success rate by 30%, and ensure the consistency of the fit of each tooth simulation printed on the format, thereby improving the printing accuracy.

90+%

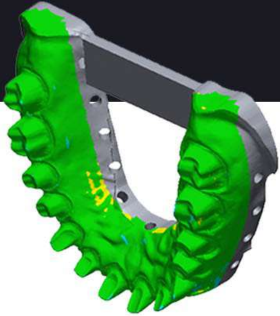
Irradiation uniformity

Integral Light Source
Uniform lighting

30+%

Improved printing success rate

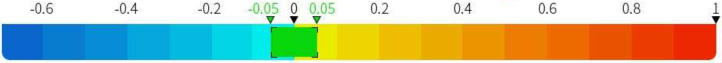
Ordinary matrix light source
Poor light uniformity



95.5088%

Within Tol

Comparison accuracy: 0.05



Balancing Efficiency and Precision

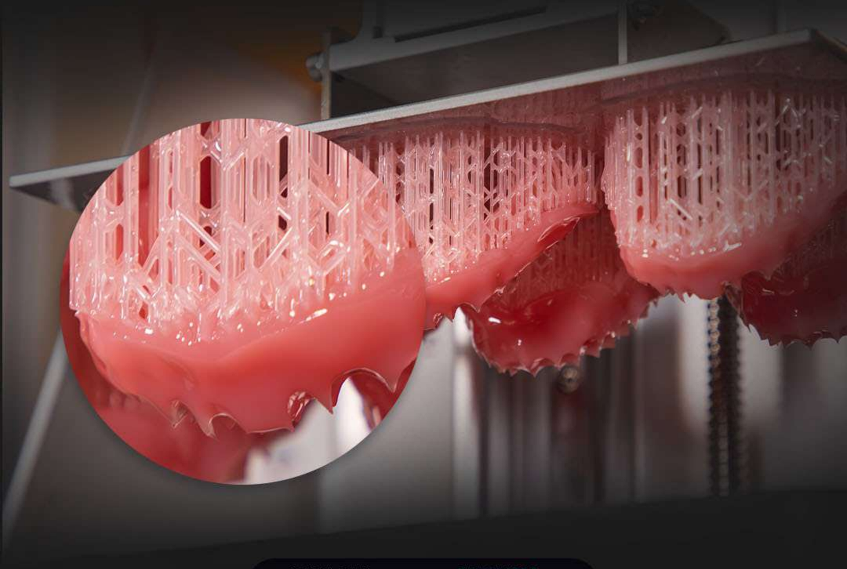
Fast printing in "＜ 20min",

with high precision reaching up to 29µm, incorporating anti-aliasing technology for reduced layer lines and detailed accuracy in models. Meets the precision requirements for dental and jewelry 3D printing.

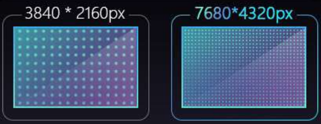
<20min
Fast printing

29µm
XY-axis accuracy

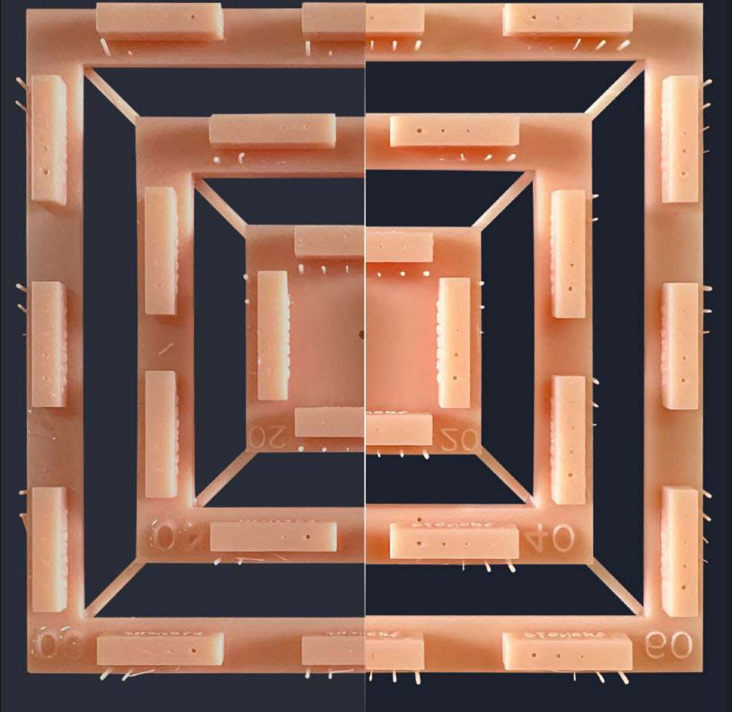
7680*4320
XY resolution



8,294,400
Pixels in Total

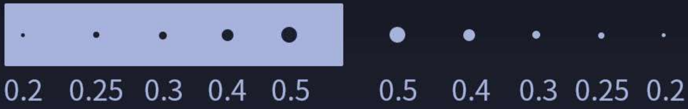


33,177,600
Pixels in Total



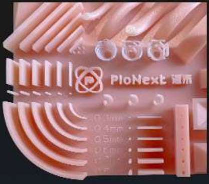
Poor precision

High precision

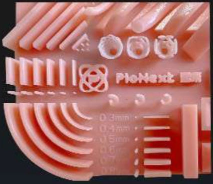


unit： mm

Underexposure

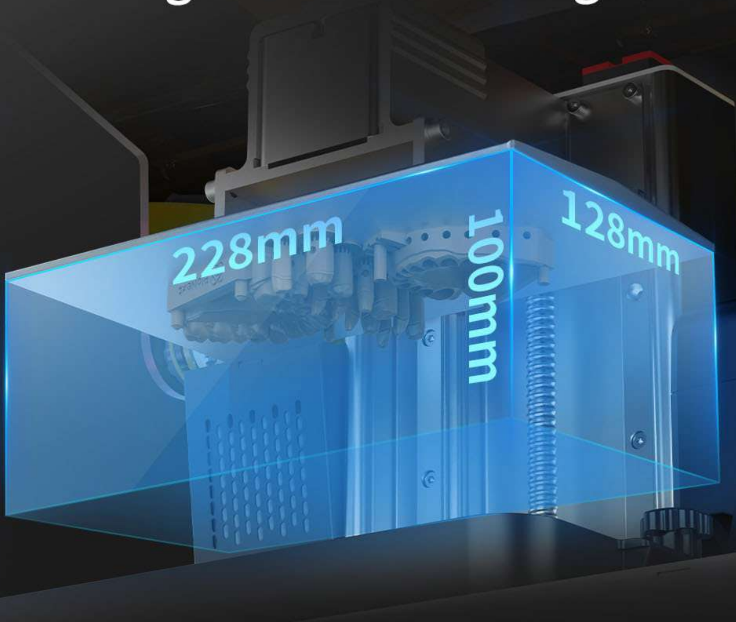


Normal exposure



Overexposure

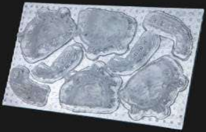
Large Format Printing



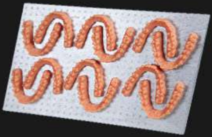
228×128mm large format, compared with the common 1080P small-format printers on the market,

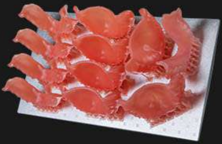
DJ89PLUS can **print twice as many models at one time.**
It supports printing working models, implant guides,
orthodontic models and other dental applications.

Removable die model
43min 6-11


Surgical guide
44min 8-11

Temporary crown
45min 10-12

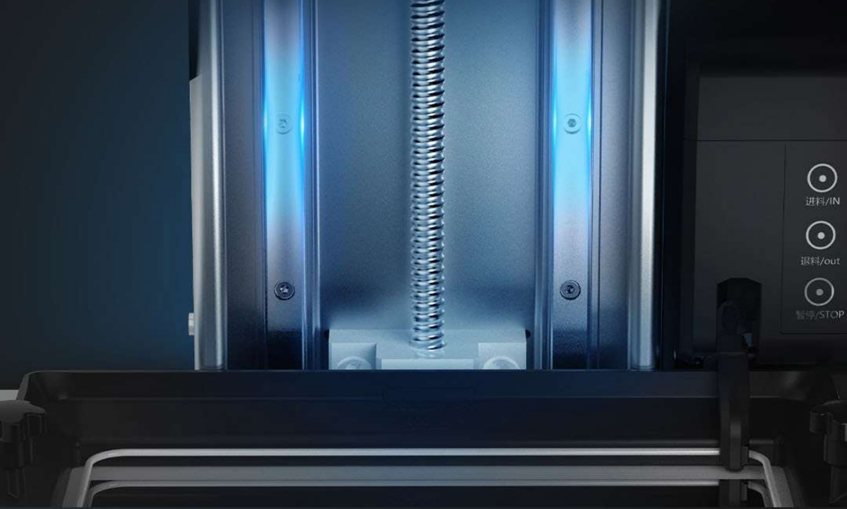

Water-washable dental
29min 5-12


Denture base
55min 5-11

Ortho model
23min 8-12

Dual Linear Guide Rails + Ball Screw

Compared with a single rail, it is **twice as stable**
and effectively eliminates Z-axis swing,
ensuring high precision and consistency during printing.



More Experience Detail

进料/IN
退料/out
暂停/STOP

Automatic feeding

Molding chamber heating

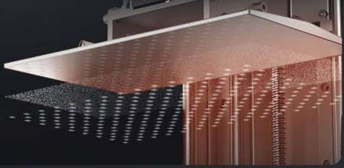
Constant temperature control

Laser engraved sandblasted

Marking capacity scale

oxidized platform plate

Strengthened adhesion
The model is not easy to fall off



1000mL MAX

1000mL MAX
500ml

LCD screen protective glass, more assured to use

Covers the entire LCD print screen.
Good sealing, anti-scratch, anti-resin leakage.
Fully protects the print screen.

Supported printing methods

Suitable for different usage scenarios.

WIFI USB

Quick-release printing platform

Front knob design
Directly remove the platform plate
Easy to take out the mold

Next-generation operating system

5-inch vertical screen,
new system,
friendly and fast interaction.

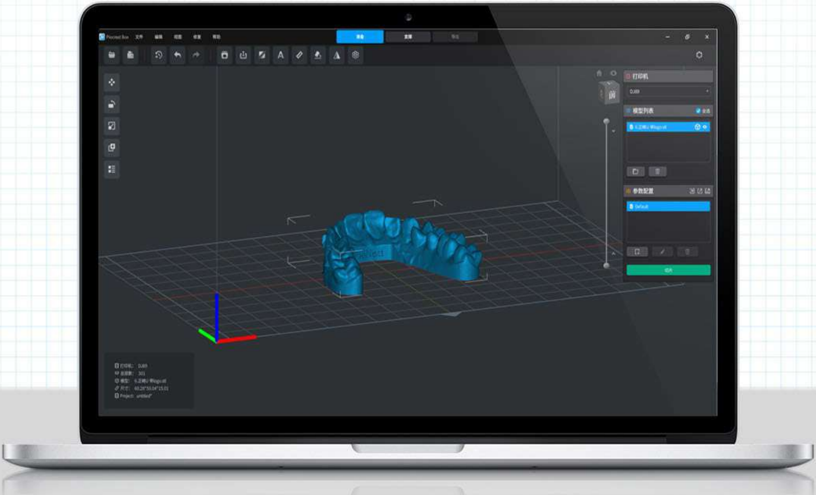
PioNext
Printing

Easy Operation, Easy Printing

Self-developed Piocreat BOX_Dental slicing software

8K high resolution combined with multiple self-developed technologies greatly reduces layering, the text is clearer and the holes are rounder toensure high-quality printing results.

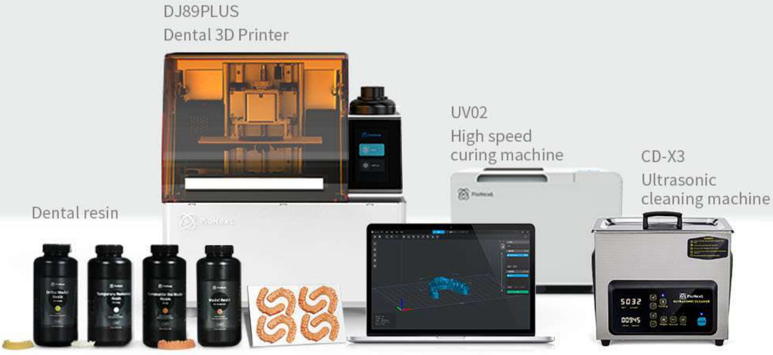
- **Full set of pre-programmed parameters for dental resin printing**
- **WIFI Printing**
- **Z-axis compensation**
- **Antialiasing**
- **Advanced Algorithms**



Time-saving and Hassle-free
One-stop Cleaning and Printing

The supporting dental resin, curing machine, cleaning machine, and related accessories can accommodate a wide range of certified

materials and support over 20 dental applications.
They are also compatible with several third-party materials.



Digital orthodontic chairside instant solution,
can effectively improve efficiency and reduce labor costs

Removable Die Model Resin

Removable die model resin

Surgical Guide Resin

Surgical guide resin

Temporary Restoration Resin

Temporary restoration resin

Water Washable
Dental Resin

Water-washable dental resin

Denture Base
Resin

Denture base resin

Ortho Model
Resin

Temperature resistant

More than 10 kinds of official resin materials with various certifications.
Fully meet the diverse application needs of chairs.

ISO FDA

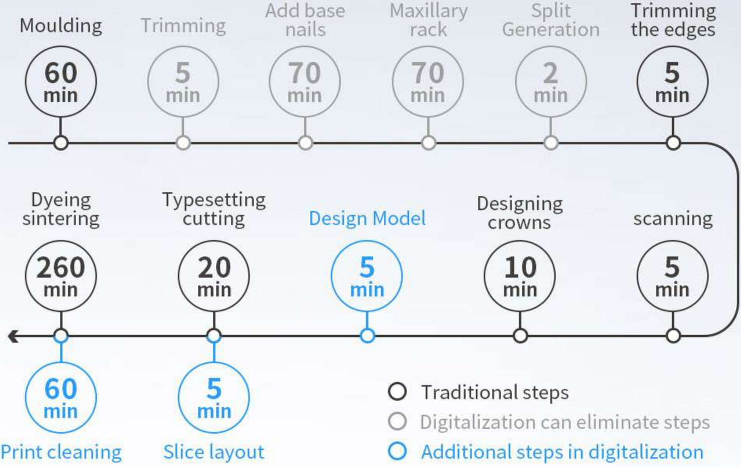
High Speed Release Film

Resin Vat

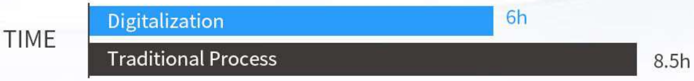
LCD Monochrome Screen

Dental 3D Printing Solutions

Enabling more chairside digital treatment and communication scenarios,
including chairside immediate implants,
chairside immediate temporary restorations, orthodontic retainers,
and efficient doctor-patient communication, etc.


Moulding 60 min
Trimming 5 min
Add base nails 70 min
Maxillary rack 70 min
Split Generation 2 min
Trimming the edges 5 min
scanning 5 min
Designing crowns 10 min
Design Model 5 min
Typesetting cutting 20 min
Dyeing sintering 260 min
Slice layout 5 min
Print cleaning 60 min

○ Traditional steps
○ Digitalization can eliminate steps
○ Additional steps in digitalization



The digital process from model to crown is
28% more efficient than the traditional process

Free Sample

Professional Applications

Dental

Jewelry

Product Parameters

DJ89PLUS——Designed for application in dental

Model	DJ89PLUS
Light source system	405nm Integral Light Source
Printing Size	228×128×100mm
Machine Size	450×290×500mm
Package Size	611×386×666mm

Print Screen	10.3″ 8K ultra-clear monochrome screen
XY-axis Accuracy	29µm
Resolution	7680*4320px
Z-axis Type	Dual linear guide rails + ball screw
Max.Print Speed	60mm/h
Print Layer Thickness	0.01-0.1mm
single layer exposure	1~4s/layer
Support Consumable Types	Removable die model/surgical guide/ temporary restoration/temperature resistant resin other official dentistry supporting special resins, with an open system compatible with more third-party resins.
Touch Screen	5-inch capacitive color touch screen
Printing Method	USB, WIFI
Software	Piocreat BOX (Win7/8/10 X64, MacOS)
File Format	cxdlpv4
Languages	English, Chinese, German, Spanish, French, Italian,Netherlands, Japanese, Korean,Polish, Portugal, Russian, Turkish
Rated Voltage	100-120/200-240V~, 50/60Hz
Rated Power	600W