PioNext Mini

All-in-One Dental 3D Printing Solution

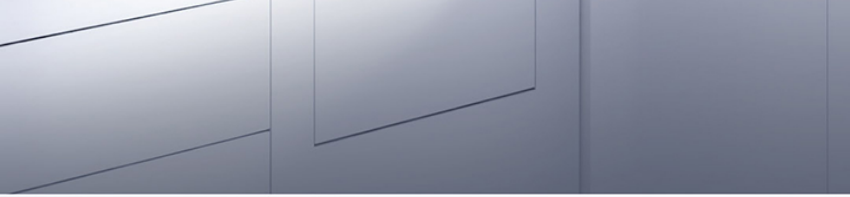
Miniaturized
Design

10min
Fast Printing

Integrated
Printing & Curing

2 times
Screen Lifespan

PioNext
Ceramic Crown
Resin
PN-CC



Ceramic Crown Resin

Compact & Space-Saving

Machine size
200×170×241 mm

2-in-1 Printing & Curing

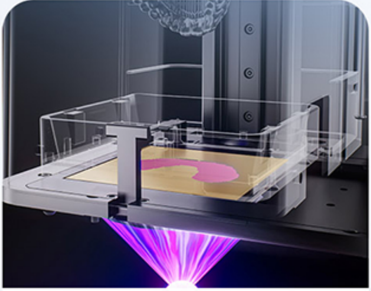
Integrated printing and curing

High-Efficiency Printing

10-Minute ceramic crown printing

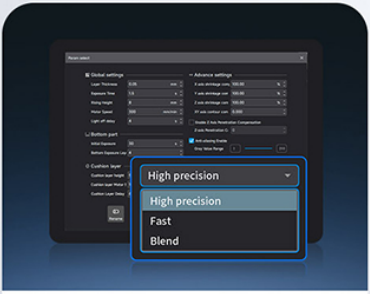
High-Precision Printing

Stable output of high-precision details



2x Print Screen Life

Using advanced amber screen technology


High precision
High precision
Fast
Blend

Dual Light Source Switching

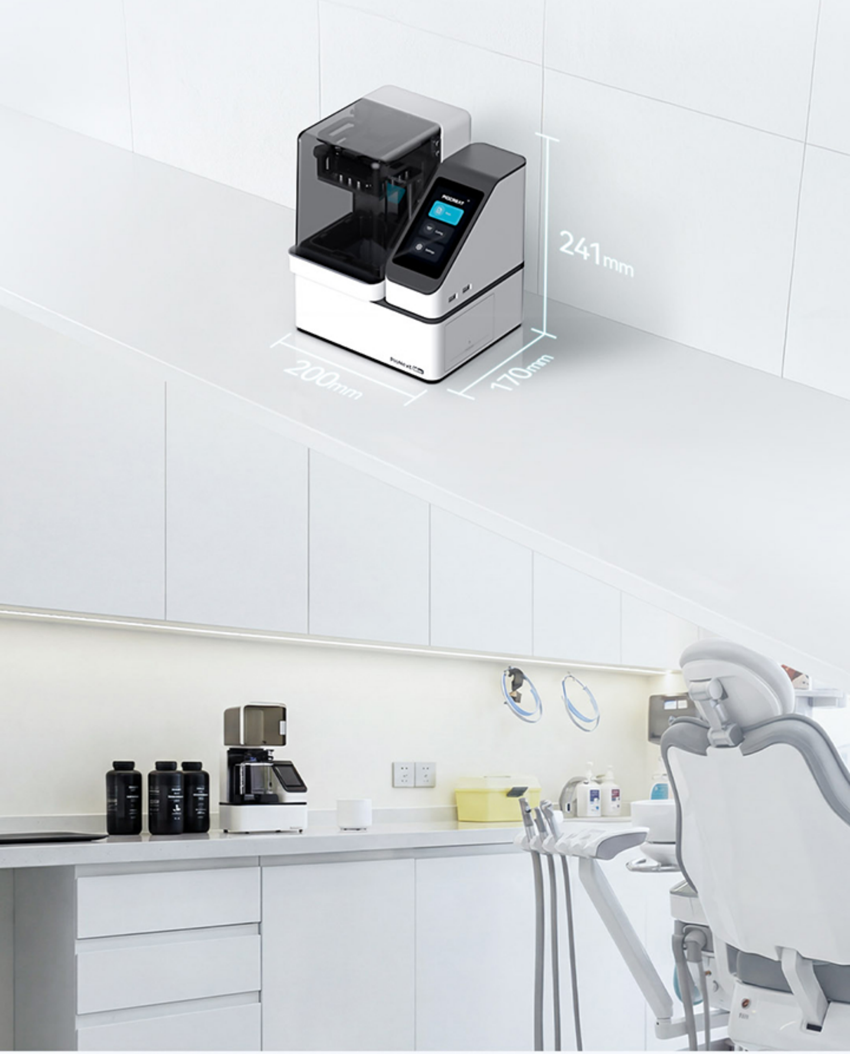
Supports 385nm and 405nm wavelengths

Dual Resin Vats

Adaptable to multiple application scenarios

Compact & Space-Saving

PioNext Mini is built for clinics that value efficiency and simplicity. Its footprint is comparable to half an A4 sheet, allowing it to integrate seamlessly into daily clinical settings—an ideal choice for chairside procedures.


241mm
200mm
170mm

2-in-1 Printing & Curing

By combining printing and curing into a single system, eliminating the need for an external curing unit and streamlines the entire workflow.

UV
Crown
Heating
Start
Stop
Settings

Thickness: 0.10mm
Layers: 0/119
Required Time
00 h 10 m

UV
Curing
Time
5 min
–
+
5:00
Start
Stop
PioNext Mini

This all-in-one design simplifies workflows and improves chairside efficiency.

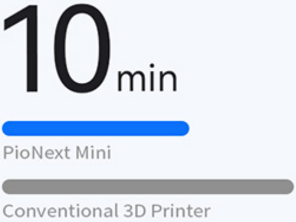
Effortless Clinic Mobility

Designed for easy mobility within the clinic, PioNext Mini can be moved effortlessly between rooms, supporting flexible chairside applications and daily clinical workflows.

PIOCREAT
PioNext Mini

Fast Printing for Efficiency

PioNext Mini enables rapid production, delivering a ceramic crown in as little as **10 minutes*** under standard conditions.



High-speed exposure shortens the single-layer curing time, while a smooth and stable separation process ensures molding reliability, enabling clinics to efficiently complete restoration work.

*The completion of printing in 10 minutes is based on conditions of 0.1mm layer thickness and a model thickness ≤ 15mm. Data sourced from the PioCreat laboratory.

High Precision for Details

Built for clinical accuracy, PioNext Mini delivers consistent, detailed results for everyday dental applications. Clearly reproduces restoration margins while maintaining consistent dimensional accuracy and fit, minimizing the need for clinical adjustments and follow-up modifications.

19µm
XY axis accuracy

10µm
Z-axis accuracy

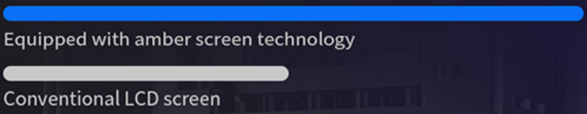
0.3mm
Ultra-Thin Veneers & Margins

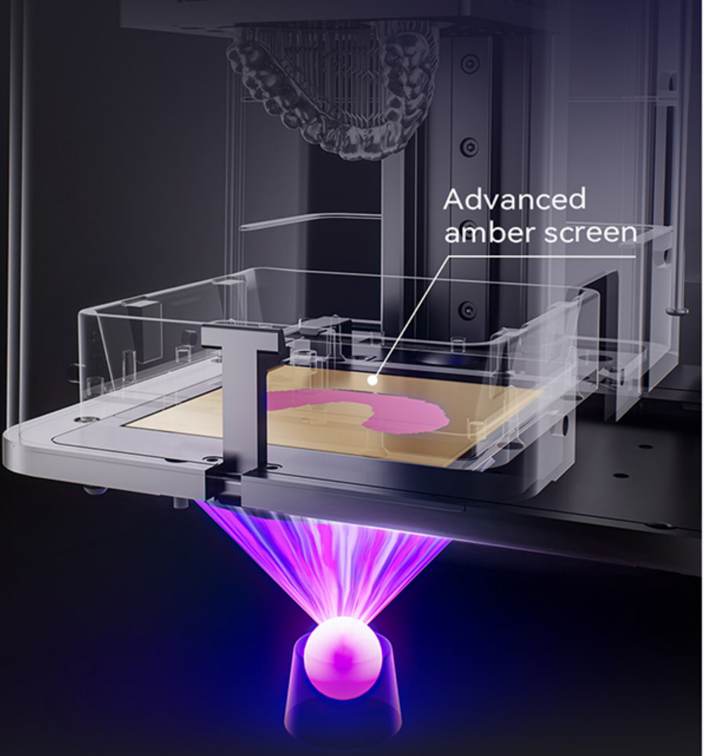
0 1 2 3 4 5 6 7 8 9 10
1/10
m/m

2x Screen Lifespan*

Compared to conventional LCD screens, the PioNext Mini features **advanced amber screen technology**, which substantially enhances the screen's resistance to UV light exposure.

2x




Advanced amber screen

This helps protect the screen from premature aging, extends its service life, and ensures more stable performance during long-term daily use.

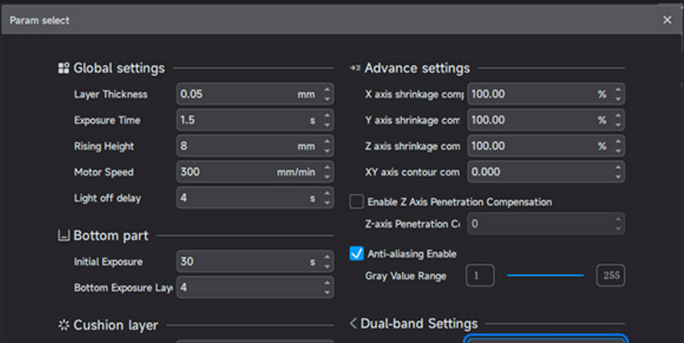
*Data source: PioCreat Laboratory.

Dual Wavelength for Material Flexibility

Supporting both 385 nm and 405 nm wavelengths, PioNext Mini adapts to a wide range of mainstream dental resins.

✓ **385nm**
High precision

✓ **405nm**
Fast



Param select

Global settings

Layer Thickness 0.05 mm
Exposure Time 1.5 s
Rising Height 8 mm
Motor Speed 300 mm/min
Light off delay 4 s

Bottom part

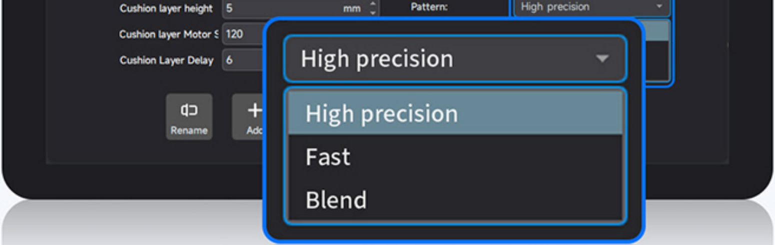
Initial Exposure 30 s
Bottom Exposure Lay 4

Cushion layer

Advance settings

X axis shrinkage comp 100.00 %
Y axis shrinkage com 100.00 %
Z axis shrinkage com 100.00 %
XY axis contour com 0.000
☐ Enable Z Axis Penetration Compensation
Z-axis Penetration C 0
☑ Anti-aliasing Enable
Gray Value Range 1 255

Dual-band Settings



Cushion layer height 5 mm

Cushion layer Motor S 120

Cushion Layer Delay 6

Pattern: High precision

Rename
Add
High precision
High precision
Fast
Blend

Intelligent wavelength switching via PioCreat Box slicing software improves material compatibility, print quality, and overall reliability, giving users greater freedom in material selection.

*The interface of the Piocreat BOX shall align with the UI of the officially released slicing software.

Dual Resin Vats

PioNext Mini comes standard with two resin vats offering versatility and consistent results across multiple applications.

ACF
Fast Vat

Supports efficient completion of ceramic crowns and bridges in just 10 minutes, significantly enhancing daily clinical workflow efficiency.

HDF
Clear Vat

It delivers finished products with high transparency, a smooth surface, and requires no polishing, making it suitable for cases demanding exceptionally high aesthetic standards.

leveling-free,Ready to Print Immediately

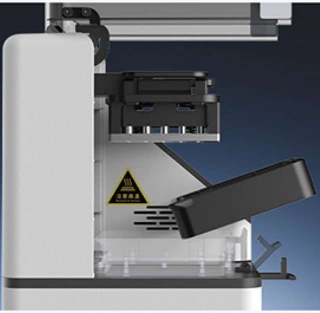
The leveling-free design is achieved through four-point alignment between the platform and resin vat.Enables you to start printing right away, eliminating the need for complex leveling steps or additional learning.

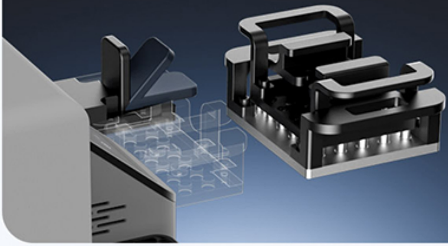
PIOCREAT
Print
Curing
Settings
PioNext Mini

Quick-Release Module

The build platform and resin vat feature a quick-release design, enabling instant material changes and simplified maintenance. The quick release module reduces wear and deformation caused by scraping, ensuring stable and smooth printing performance.

Quick-release resin vat





Quick-release build plate

Quick model removal

Keeping your workflow efficient and stress-free.

Heated Chamber

The printing environment can maintain up to 35°C for improved resin flow and smoother layers. This reduces visible layer lines and enhances print quality.

Constant Temp
25-35°C
PioNext Mini

Easy to Use,

Effortless Operation

The UI is intuitive and straightforward, offering a touch-and-go experience with no complicated operations or settings needed—ready to use right out of the box.

Chamber Heating
Thickness: 0.05mm Required Time: 12 h
Layers: 69/189 Current Temp: 30°C
Pause
Stop
Settings
5:00
Pause
Stop
Automatic Heating
Temp
Current Temp:
0°C → 30°C
Start Heating
OK
Reset
Z-axis move
Print Settings
System Settings
C26FD
ASD888
123MHJ
PIOCREAT
WIFI
Maintenance Tips
Reset
Print
Curing
Settings
Model 1
Z-axis move
WIFI
Please select the Wi-Fi you want to connect to.
DJ-7955
C26FD
ASD888
Please select the...
Version V2.2.2
Device version
Device version
Settings
Cleaning
Z-axis move
System Settings
Update

Wash Mini

Standard small-sized cleaning machine, designed to work with the PioNext Mini, ideal for cleaning small-batch prints.

180s

Fixed 3 min operating time.

Applications

Suited for a Variety of Dental Applications

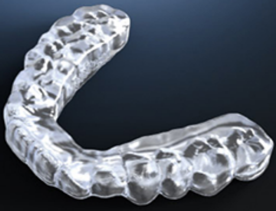
Crown

Veneer

Onlays / Inlays

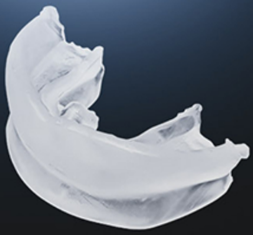
Crown Bridge

Clear Aligner/Retainer



Occlusal Splints

Night Guard



Early Treatment Appliance

Removable Pritial Denture

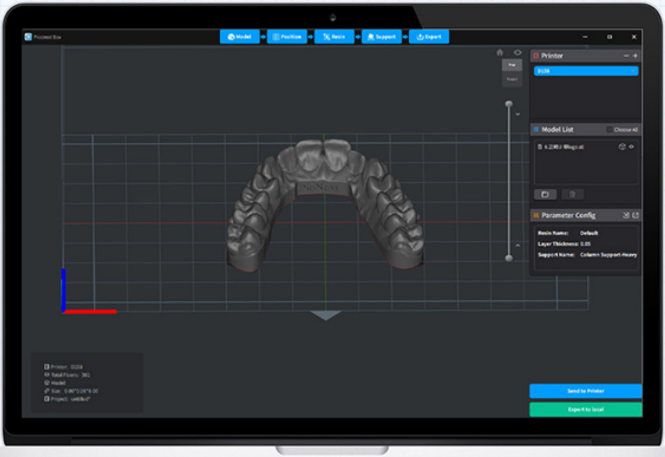
Easy Operation, Easy Printing

Self-developed Piocreat BOX slicing software

Combined with multiple self-developed technologies, it greatly reduces layering. The text is clearer, and the holes are rounder, ensuring high-quality printing results.

- One-click printing
- Full set of pre-programmed parameters for dental resin printing
- Wi-Fi printing
- Z-axis compensation
- Antialiasing
- Advanced algorithms

Piocreat BOX

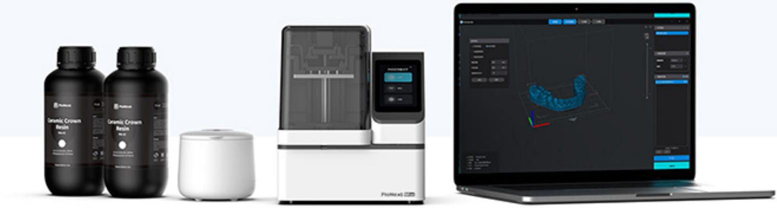

Piocreat Box
Model
Position
Resin
Support
Export
Printer
D158
Model List
Choose All
Parameter Config
Send to Printer
Export to local

Resin Name: Default
Layer Thickness: 0.05
Support Name: Column Support-Heavy

Printer: D158
Total Floors: 301
Model
Project: untitled*

*The interface of the Piocreat BOX shall align with the UI of the officially released slicing software.

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.

Ceramic Crown Resin

Crown & Bridge Resin

Splint Rigid Resin

Ceramic Crown Resin

Crown & Bridge Resin

Splint Rigid Resin

Temporary Restoration Resin

Clear Aligner Resin

Flexible Denture Base Resin

The system is supplied with officially certified dental resins that hold multiple accreditations, fully meeting the diverse application needs of chairside workflows.

ISO

FDA

Build Platform

Resin Vat

Release Film

Product Parameters

PioNext Mini

Model	PioNext Mini
Molding Technology	LCD
Printing Size	80×70×80mm
Machine Size	200×170×241mm
Package Size	310×307×340mm
XY-axis Accuracy	14*19μm
Resolution	8520*4320px
Print Speed	Max.60mm/h(0.1mm layer thickness)
Layer Thickness	0.01-0.1mm
Touch Screen	3.97-inch Capacitive Color Touch Screen
Languages	English, Chinese, German, Spanish, French, Italian,Netherlands, Japanese, Korean,Polish, Portugal, Russian, Turkish
Support Consumables	Ceramic Crown Resin/Surgical Guide Resin/ Crown & Bridge Resin/Temporary Restoration Resin/ Denture Base Resin/Removable Die Model Resin/ Ortho Model Resin/Ortho Model 2.0 Resin
Printing Method	U Disk / WiFi
Slicer	Piocreat BOX (Win7/8/10 X64, MacOS)
File Format	.cxline
Rated Voltage	100-240V~, 50/60Hz

Rated Power	120W
N.W.	4.86kg
G.W.	6.8kg

Wash Mini

Model	Wash Mini
Cleaning tank dimensions	80×80×39mm
Cleaning tank capacity	150mL
Cleaning tank material	S30408 stainless steel
Product dimensions	110×110×97mm
Product weight	0.281kg
Rated voltage	12V
Rated power	20W