Digital Dental 3D Printing

PioNext resins cover clinic & lab applications

Slicing ··· 3D Printing ··· Washing ··· Curing ··· Final Restoration

Leading supplier of industrial-grade dental 3D printing solutions

All-in-One Same-Day Chairside Manufacturing

Learn More

Miniaturized Design

10min Fast Printing

Integrated Printing & Curing

2 times Screen Lifespan

Onlays/Inlays & Veneer

Removable Pritial Denture

Clear Aligner / Retainer

Night Guard

Technical Specifications

Printing Size	80×70×80mm	Resolution	9K （8520*4320px）
Machine Size	200×170×241mm	Pixel Size	18μm
Package Size	310×307×340mm	Layer Thickness	0.01-0.1mm
Curing Size	76.5×72.5×37mm	Touch Screen	3.97-inch Capacitive Color Touch Screen
Light Intensity(Curing)	＞150 mW/cm², 405nm	Printing Speed	Max.60mm/h
N.W.	4.86kg	Slicing Software	Piocreat BOX / CHITUBOX Dental
G.W.	6.8kg	Data Transmission	USB/WiFi
Printing Technology	LCD	Input Voltage	100-240V~, 50/60Hz
Light Source Wavelength	385nm、405nm	Power	120W
Supported 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 and other official authorized resin		

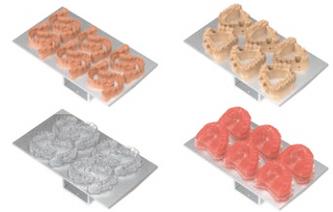# Industrial Printing for Dental Production

16K U-HD Printing Screen

≥90% Light uniformity

Amber LCD Screen

385/405nm Dual Wavelength

Batch Printing

2 times Screen Lifespan

Auto Feed Unit

AFU

PioNext Ultra

Technical Specifications

Printing Size	211.68×118.37×100mm	Layer Thickness	0.01–0.1mm
Machine Size	468×286×470mm	Z-axis Type	Dual Linear Guide Rails + Ball Screw
Package Size	600×370×585mm	Automatic Feeding	Yes (Optional)
N.W.	19.78kg	Touch Screen	5-inch Capacitive Color Touch Screen
G.W.	23.67kg	Slicing Software	PioNext BOX / CHITUBOX Dental
Printing Technology	LCD	File Format	.cxdlpv4
Pixel Size	14*19μm	Data Transmission	USB/WiFi
Light Source Wavelength	385nm、405nm	Input Voltage	100-240V~，50/60Hz
Printing Speed	Max.60mm/h (0.1mm)	Power	660W
Supported Consumables	Removable die model resin / Ortho model resin / Ortho model 2.0 resin / Dental casting resin / Surgical guide resin / Surgical guide pro resin / Temporary restoration resin / Denture base resin / Crown & Bridge resin and other official authorized resin		

The Smart Start to Chairside Printing

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Compact Size Powerful Output

90% Light Uniformity

90%
Light Uniformity

153mm 77mm 160mm

18μm Pixel Size

9K

Stable Z-axis Structure

PioNext

PioNext

Technical Specifications

Printing Size	153×77×160mm	Layer Thickness	0.01–0.1mm
Machine Size	221×221×404mm	Z-axis Type	Dual linear guide rails + T-shaped screw
Package Size	298×298×480mm	Print Speed	60mm/h
N.W.	6.6kg	Touch Screen	5-inch capacitive color touch screen
G.W.	8.1kg	Slicing Software	Piocreat BOX (Win7/8/10 X64, MacOS)
Printing Technology	LCD	File Format	.cxdlpv4
Resolution	9K（8520*4320)	Data Transmission	USB/WiFi
Pixel Size	18μm	Input Voltage	100-240V~，50/60Hz
Light Source Wavelength	405nm	Power	70W
Supported Consumables	Ceramic Crown Resin / Surgical Guide Resin / Surgical Guide Pro Resin / Splint Flex Resin / Splint Rigid Resin / Clear Aligner Resin / Retainer Resin / Ortho Model Resin and other official authorized resin		

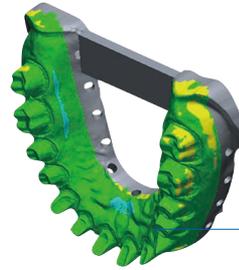# Precision and Reliability Redefined

Learn More

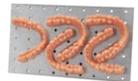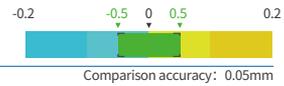**98% Light Uniformity**

20000h+ Lifespan

DLP Light Source System

Stable Z-axis Structure

98.99% Within Tol

-0.2   -0.5   0   0.5   0.2

Comparison accuracy: 0.05mm

Ortho models

Denture bases

Removable die models

Temporary crowns

Technical Specifications

Printing Size	158×89×100mm		Layer Thickness	0.01–0.1mm
Machine Size	280×280×587mm		Z-axis Type	Dual linear guide rails + ball screw
Package Size	380×365×660mm		Print Speed	60mm/h
N.W.	13kg		Touch Screen	5-inch capacitive color touch screen
G.W.	15kg		Slicing Software	Piocreat BOX (Win7/8/10 X64, MacOS)
Printing Technology	DLP		File Format	.cxdlpv4
Resolution	2560*1440px		Data Transmission	USB/WiFi
Pixel Size	62μm		Rated Voltage	Input:AC100–240V 50/60Hz Output:DC 24V
Lifetime(hrs)	20000+h		Power	60W
Supported Consumables	Dental Casting Resin / Removable Die Model Resin / Gingiva Resin / Flexible Denture Base Resin / Surgical Guide Resin / Ortho Model Resin and other official authorized resin			

D136

Large Volume
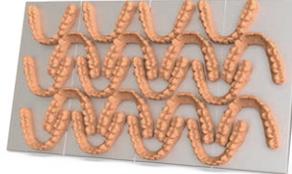# Higher Throughput

13.6" Large Printing Size

7K
46μm Pixel Size

High Speed Release Film

Stable Z-axis Structure

16
Ortho models

24
Surgical guides

300mm

298mm 165mm

Printing Size

Technical Specifications

Printing Size	298×165×300mm	Layer Thickness	0.01–0.1mm
Machine Size	480×376×770mm	Z-axis Type	Dual linear guide rails + ball screw
Package Size	630×530×1025mm	Print Speed	70mm/h
N.W.	33.8kg	Touch Screen	5-inch capacitive color touch screen
G.W.	51.2kg	Slicing Software	Piocreat BOX (Win7/8/10 X64, MacOS)
Printing Technology	LCD	File Format	.cxdlpv4
Resolution	6480*3600px	Data Transmission	USB/WiFi
Pixel Size	46μm	Input Voltage	AC100–240V 50/60Hz
Light Source Wavelength	405nm	Power	500W

Supported Consumables	Removable die model resin / Ortho model resin / Ortho model 2.0 resin / Dental casting resin / Surgical guide resin / Surgical guide pro resin / Temporary restoration resin / Denture base resin / Crown & Bridge resin and other official authorized resin

CD-X3

One-click Cleaning

360° Full Coverage

Use of high-frequency sound waves that cleans complex geometries thoroughly.

Detail Protection

Non-contact cleaning that preserves fine model structures.

Easy to use

Intuitive operation suitable for both beginners and professionals.

Pre-cleaning
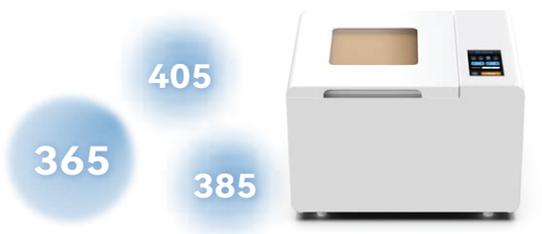
After cleaning

Technical Specifications

Tank Size	240×135×100(L*W*H)mm
Machine Size	265×160×225(L*W*H)mm
Ultrasonic Frequency	40kHz
Ultrasonic Power	120W
Heating Power	100W

UV02

Three-wavelength Curing

405
365
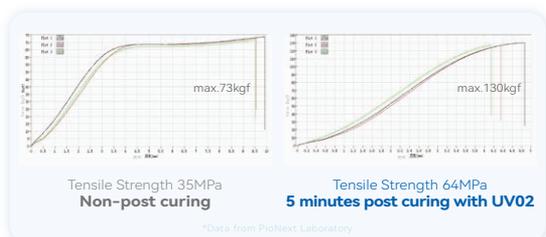385

Full-Spectrum UV

Selectable 365nm/385nm/405nm wavelengths deliver uniform curing across resin types.

Preset & Custom Profiles

Store up to 8 resin curing settings for convenient and consistent operation.

Adjustable Light Intensity

Adjustable Light Intensity: Light intensity can be set from 5% to 100%, enabling precise control for various resin sensitivities.

max.73kgf

max.130kgf

Tensile Strength 35MPa
Non-post curing

Tensile Strength 64MPa
5 minutes post curing with UV02

*Data from PioNext Laboratory

Technical Specifications

Curing Size	D180×H120mm
Machine Size	366×300×250mm
Adjustable Light Intensity Ratio	5-100%
Curing Optional Time	00:01-30:00 （Max.30min)
UV Light Wavelength	365nm/385nm/405nm

Dental Resin

Complete Range of Dental Resins for Both Clinical and Lab Use

385/405nm

Learn More

PioNext Ceramic Crown Resin PN-CC — A1,A2,A3,B1,BL1 White Photopolymer UV Resin — 1000g — Shake Before Use

PioNext Flexible Denture Base Resin PN-F0 — Pink Photopolymer UV Resin — 1000g — Shake Before Use

Ceramic Crown Resin	Crown & Bridge Resin	Flexible Denture Base Resin	Denture Base Resin
Surgical Guide Resin	Surgical Guide Pro Resin	Splint Flex Resin	Splint Rigid Resin
Clear Aligner Resin	Gingiva Resin	Ortho Model Resin	Ortho Model 2.0 Resin
Removable Die Model Resin	Temporary Restoration Resin	Try-in Resin	Water Washable Dental Resin
Dental Casting Resin	Early Treatment Appliance Resin	Tray Resin	CE FDA ISO MSDS REACH RoHS

Compatible with mainstream DLP/LCD printer and 385nm / 405nm light sources.