

# | Preview | Sonic XL 4K PLUS



## Sonic Sonic XL 4K PLUS LCD 3D Printer

Sonic XL 4K PLUS features a new mainboard system and substantial enhancement in build quality, providing more robust operation to withstand the demands of large batch high-precision dental 3D printing.

#### New Mainboard System:

Designed to create smoother operational efficiency, ensuring seamless printing without any system crashes or interruptions.

#### • Improved Heating System:

A heating system upgrade aims to supply better heat distribution throughout printing. It mitigates any overheating damage while guaranteeing consistent print results and boosting overall success rates.



Specs\*: System: Phrozen OS Operation: 5" Touch Panel Slicer Software: Phrozen DS Slicer Connectivity: USB | Ethernet | WiFi Design: Technology Resin 3D Printer - LCD Type Light Source: 405nm ParaLED® Matrix 3.0 XY Resolution: 52 µm Layer Thickness: 0.01-0.30 mm Max. Printing Speed: Up to 90mm/hr Power Requirement: AC100-240V ; 50-60Hz Power Supply: 180W Printer Size: L33 x W29 x H47 cm Print Volume: L20 x W12.5 x H20 cm Printer Weight: 17.2 kg

## Workhorse Output with Large Print Volume



Crown and Bridge Model with Removable Dies

> 6-8 models/print ± 35 mins



Gingiva Masks for Implant Models **20-30 gingiva/print** ± 15 - 20 mins



Clear Aligner Models 6-8 models/print ± 35 mins



Dental Study Models 6-8 models/print ± 25 mins



Surgical Guides 8-12 guides/print ± 1 hr



Denture Base **4-6 dentures/print** ± 1 hr



Bite Splint & Nightguard 4-6 splints/print ± 1 hr



Permanent/Temp Crown & Bridge

± 45 mins



\*Printed flat in 100 $\mu$ m layer height using the Turbo setting inside Phrozen DS Slicer

## Get Ready-To-Print Files Within a Few Clicks

Comes bundled with the Phrozen Dental Synergy (DS) Slicer, Sonic XL 4K PLUS automates most of the fileprepping process and further simplifies in-clinic 3D printing workflow.

• Optimized Printing Orientation

One click auto-orientation tailored to maximize print success rate while minimizing print time and resin consumption.

• Al-built Printing Support

Delivering a proper support placement, easier removal, and enhanced print success rate.

• Seamless Integration

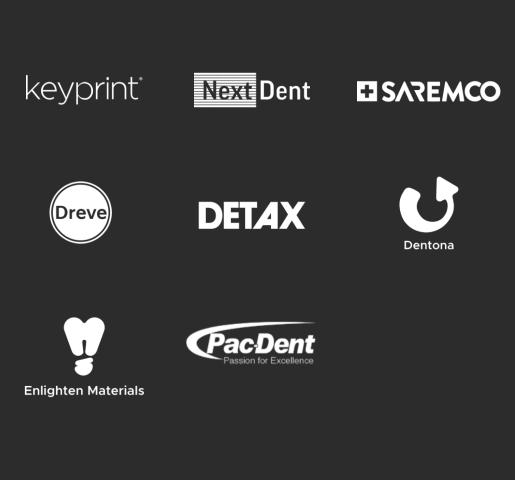
DS Slicer is well-integrated with leading dental CAD software like Medit and Exocad, with more will be added in the future.





### Validated Setting for Industry-Leading Dental Resins

Providing the optimal accuracy and consistency needed for printing high-quality dental parts on repeat.



## List of Validated Materials

#### Phrozen

- Water-Washable Dental Model Resin
- Dental Ortho Model Resin
- Dental Study Model Resin
- Gingiva Mask Resin

#### PacDent

Rodin Sculpture

### SAREMCO

CROWNTEC

#### **NextDent**

- SG Orange
- Ortho Rigid
- Ortho Flex
- C&B MFH N1
- Ortho IBT Clear
- Ortho Clear
- Denture 3D+
- Tray Blue
- Cast Purple
- Model 2.0

#### Dreve

- FotoDent Guide 405nm
- FotoDent Guide 385nm
- FotoDent Denture
  Transparent 385nm
- FotoDent Denture Opak
  385nm
- FotoDent IBT 385nm
- FotoDent Model2 385nm
- FotoDent Cast



### List of Validated Materials

#### KeyStone

- KeyGuide
- KeySplint Hard
- KeySplint Soft
- KeyModel
- KeyOrtho Model
- KeyCast
- KeyTray

#### Dentona

- Optiprint Guide
- Optiprint Clara
- Optiprint Lumina
- Optiprint Temp
- Optiprint Cast
- Optiprint Gingiva
- Optiprint Model
- Optiprint Tray
- Optiprint Denture

#### DETAX

- FREEPRINT Ortho
- FREEPRINT Splint 2.0
- FREEPRINT Temp
- FREEPRINT Model 2.0
- FREEPRINT Cast 2.0

### Enlighten

- AA Temp 50µm
- DD Guide 50µm



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becs Com	parison			
	Printer	Sonic XL 4K Plus	Sonic XL 4K 2022	
Software	Slicer Software	Phrozen DS Slicer	Phrozen DS Slicer	
Software	Compatible File Format	.PRZ	.ZIP	
	Printer Size	L33 x W29 x H47 cm		
	XY Resolution	52 μm		
	Top Speed	Up to 90 mm/hr		
	Printing Volume	L20 x W12.5 x H20 cm		
Hardware	Connectivity	USB   Wi-Fi   Ethernet		
	Printer Weight	17.2 kg		
	Rail	Dual Linear Rails (Ball Screws)	Dual Linear Rails (Ball Screws)	
	Operation	5" Touch Panel	5" Touch Panel	
	Heater	Improved Built-in Heating System	Built-in Heating System	
$\checkmark$	USB Port	Front USB Port	Rear USB Port	phrozen
	Other Improvement	New Mainboard System   Wi-Fi Antenna		