

LCD 3D Printers



Operation

System
Operation
Slicer Software
Connectivity
Compatible File Format

Sonic XL 4K 2022

Phrozen OS
5in Touch Panel
Phrozen DS Slicer
USB | Ethernet | WiFi
.ZIP

Sonic 4K 2022

Phrozen OS
5in Touch Panel
Phrozen DSSlicer
USB | Ethernet | WiFi
.ZIP

Printing Specifications

Technology
Z-Axis
XY Resolution
Layer Thickness
Maximum Printing Speed
Cooling System
Other System

LCD
Dual Linear Rails (Ball screw)
0.052 mm
0.01-0.30 mm
90 mm / hr
Single Cooling Fan
Air Purifier / Heater

LCD
Dual Linear Rails (Ball screw)
0.035 mm
0.01-0.30 mm
90 mm / hr
Single Cooling Fan
Air Purifier / Heater

Optical Engine

LCD Specification
Light Source

9.3" 4K mono-LCD
405nm ParaLED® 3.0 Module

6.1" 4K mono-LCD
405nm ParaLED® 3.0 Module

Hardware Specifications

Printer Size
Printing Volume
Power Requirement
Power Supply
Printer Weight

33x29x47 cm
20x12.5x20 cm
AC100-240V ; 50-60Hz
180W
17.2 kg

28x28x46.5 cm
13.4x7.5x20 cm
AC100-240V ; 50-60Hz
150W
14.9 kg

Professional Dental Solutions for All Your Needs



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Phrozen Dental

Phrozen always strives to create professional-grade dental materials and develop fast and precise dental resins for various usage scenarios.

- ♥ Affordable & Cost-Effective
- ♥ Print Fast & Accurate



| Dental Study Model Resin

Color	Matte White	Viscosity	150-230 cP
Density	1.13 g/cm ³	Hardness	90 Shore D

UTS	28 MPa
Tensile Modulus	920 MPa
Elongation	7%
Izod Impact Strength (Notched)	24 J/m



| Water-Washable Dental Model Resin

Color	Beige	Viscosity	60-100 cP
Density	1.11 g/cm ³	Hardness	76 Shore D

Flexural Strength	66 MPa
Flexural Modulus	1550 MPa



- ♥ High Accuracy
- ♥ Water-Washable

- ♥ High Heat Resistance
- ♥ Low Reflective Finish



| Dental Ortho Model Resin

Color	Matte Gray	Viscosity	180-240 cP
Density	1.17 g/cm ³	Hardness	82 Shore D

UTS	32 MPa
Tensile Modulus	1890 MPa
Izod Impact Strength (Notched)	10 J/m
Heat Deflection Temp @0.45MPa	200°C

