



# 3D PRINTERS



# How 3D printing is revolutionising the dental industry

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Orthodontic models used to be made by pouring the models with actual stone. This means that the quality of the finished dental models would depend entirely on the skills of the technician. The traditional method makes it extremely difficult and costly to produce high-quality dental models as there is a higher chance for potential errors.

Now, with 3D printers, even delicate structures can easily be recreated as dental models are built layer-by-layer while the entire process is completed using a software program. Just scan the dental impression, design the model with any dental requirements or specifications and it's ready to be 3D printed. With just a fraction of the cost, there is no need to pour your models with stone and wait around for them to dry.



Compared to a plaster model, a dental 3D-model is a much more stable, durable, and precise alternative. Digital technologies allow for a simpler work-flow, fewer errors, and a reduced amount of labour, which will save both time and money.

## 3D Printer benefits

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### For Dental Clinics



- 4K, 35µm, 722 PPI
- Multi-dental resins compatibility
- Adjustable light intensity
- Add-on heater for high-quality, stable 3D prints.
- No need to print from scratch after a power outage.

### For Dental Labs



- 4K with a 52% larger printing area
- Professional slicing software support
- Multi-dental resins compatibility
- Full metal exterior

# Printers

## Phrozen Sonic 4K 2022 3D Printer



Specially designed for the dental industry, the Sonic 4K 2022 offers built-in parameters for dental applications that work to print out all the dental models you need with high precision and accuracy.

This printer prints at 35µm and offers an ample printing space of 6.1 inches. You'll also be able to print one layer in only one second.

The Sonic 4K 2022 also uses a super-stable Z-axis to ensure that users have a quiet and smooth printing experience.

The dental 3D printer comes with the dental 3D printing slicer software, Dental Synergy Slicer, which has simplified the dental workflow with its easy-to-use interface.

The Sonic 4K 2022 is also equipped with a heater and air purifier system to enhance your entire 3D printing experience and reduce 3D printing failures.

## Phrozen Sonic XL 4K Resin 3D Printer



Phrozen's Sonic XL 4K 2022 provides a spacious printing area of 9.3 inches, 52% larger than Sonic 4K, allowing you to create dental models with the precision you need.

With printing speeds of up to 90mm per hour, the Sonic XL 4K provides increased productivity by letting you print multiple models at once. The Sonic 4K 2022 is also equipped with a heater and air purifier system to enhance your entire 3D printing experience and reduce 3D printing failures.

## Accessories

### Phrozen Ultra-Sonic Cleaner

Worried about how to clean up after you're done printing? Phrozen's Ultra-Sonic Cleaner is here for you. This device works best to clean up 3D models that are printed with SLA/DLP techniques.

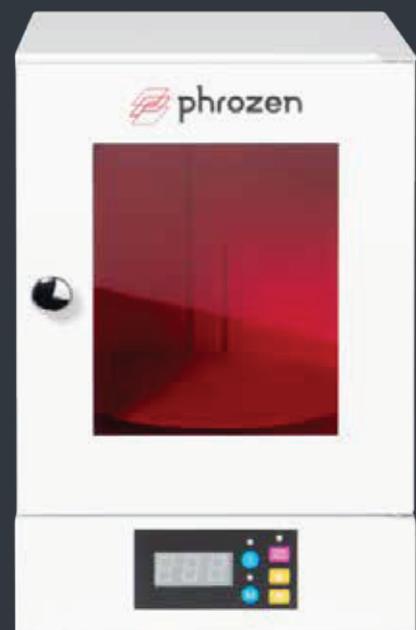
The Ultra-Sonic Cleaner has a heat control system up to 100 Watt and a digital timer that has a set time from 1 minute to 30 minutes. As a safety precaution, we utilise a double fuse system for powering.



### Phrozen Cure: Post Curing UV Lamp

Designed to be spacious, Phrozen's Post-Curing UV Lamp fits the build volume for all Phrozen Printers. This unit provides fast curing by using 365nm, 385nm, 405nm UV-LEDs and uses plates that rotate 360 degrees to ensure that your models are cured evenly.

It's easy to use and has a stable power supply and cooling system which makes it ideal for long-term use. The UV Lamp also comes with a built-in safety interlock system that is applicable for 100-240V 50-60Hz Voltage.





# Resins



## AA Temp

Biocompatible resin for temporary crowns



## DD Guide

Biocompatible resin for surgical guide



## TR250LV High Temp Resin

Dental model



## Saremco CROWNTEC

Biocompatible resin for permanent crowns

Colours available:

A1, A2, A3, A3.5, B1, SW - in stock  
B2, B3, C3, C4, D3 - on demand



## Beige Resin

Low-irritation resin for dental models

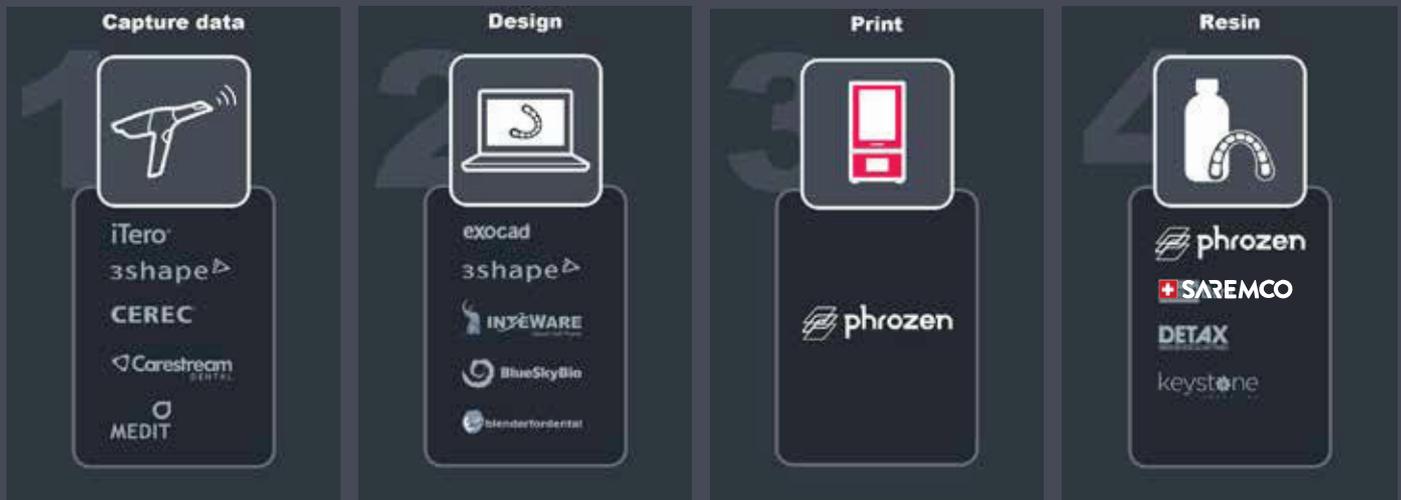


## Phrozen Wash: Resin Cleaner

Powerful cleaning agent

## Phrozen Sonic Workflow

The Best Entry-level 3D Printer for Dentistry



## Why Phrozen?

01



### Highly Economical

20% lower in price than other dental 3D printers.

02



### Works with the majority of

Compatible with the majority of scanners, slicing software, and resins.

03



### Super Fast

3D prints are produced & delivered in an hour or less.

04



### Easy to Set Up

No need to outsource; more controllable and flexible.

# Applications



## Digital Dentures

Delivers accurate, consistent, high quality same-day dental implants.



## Ortho Models

High-resolution models with crisp detail without sacrificing speed or accuracy.



## Indirect bonding trays

Easily places all the brackets at once, saving time at the chair.



## Models with Removable Dies

3D printing models with removable dies allows for extreme accuracy and bridgework.



## Surgical Guides

High-precision surgical drill guides available at an affordable price.



## Surgical Guides: Bridge Wax-Ups

Extreme dimensional accuracy in X, Y, and Z, as well as exceptional surface finish.



## Permanent Crowns

For permanent crowns, inlays, onlays, veneers and artificial teeth. Highly esthetic one-phase material with perfectly matched opacity



## Bite Splints

3D printing resin ideal for printing bite splints



# Sonic 4K

## LCD 3D Printer

Print Big | Easy to use | Super Stable

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