

RAYDENT

Studio

Stand by



Printing



Finish



Your Dental 3D Printing Solution

RAYDENT Studio

It is your complete solution with printing, curing and software.



Fast, accurate and
successful printing experience

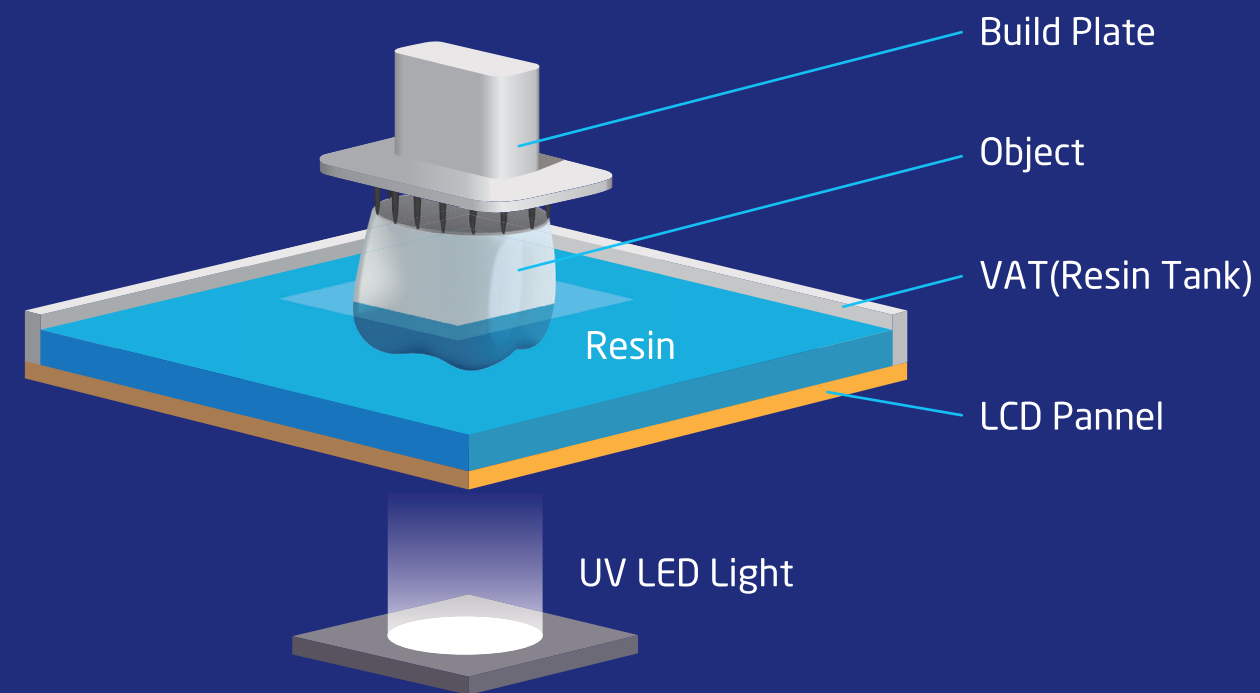
RAYDENT Studio, designed for dental labs and dental clinics,
makes 3D PRINTING more delightful.



RAYDENT Technology

RAYDENT Studio utilizes LCD technology from mobile phone industry. LCPS provides fast printing with good precision and better uniformity as well as compact printer size for in-office use.

Liquid Crystal Planar Solidification



Materials for 3D printing

RAYDENT offers different type of resins for a wide range of applications. These are also **Biocompatible** and **Water washable** (Alcohol free cleaning process).



Dental Model

Printing time **40-50 min**

Accuracy **avg. 50 μm**



Temporary restoration

Printing time **20-25 min**

Accuracy **avg. 40 μm**



Surgical guide

Printing time **Full : 40-50 min / Half : 25-30 min**

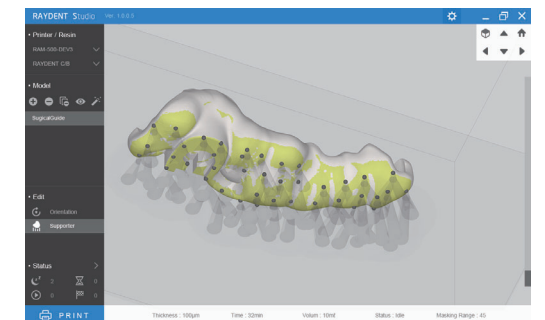
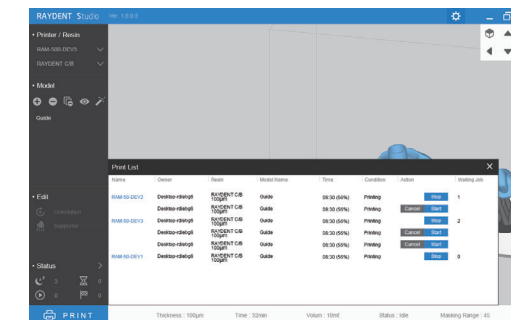
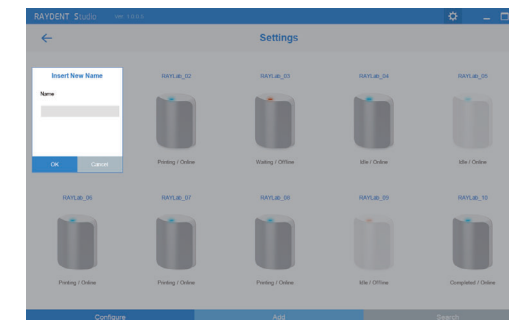
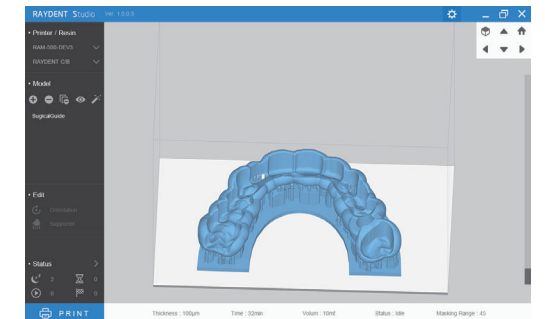
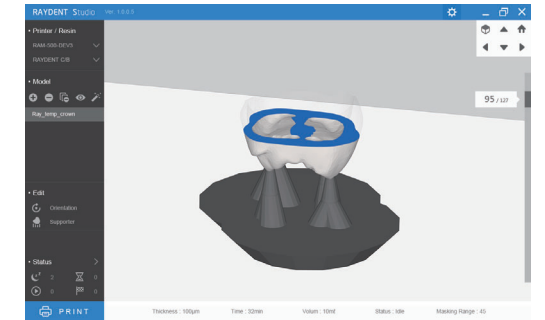
Accuracy **avg. 50 μ m**



Software features

Auto-orient for optimal position Auto-generation of supports

- Auto-mesh repair and layer slicer for path inspection
- Multiple-printer management from a PC for any large printing facility
- Printers' jobs and queues list for efficiency
- Preset printing conditions for successful printing
- Dynamic mask control for faster printing



Specifications are subject to change without prior notice.

Technical Specifications

PRINTER (RAM500)

Dimensions	31 x 21 x 37 cm 12.2 x 8.3 x 14.6 in
Weight	6.5 kg / 14.3 lbs
Operating Temperature	5~35°C 41~95°F
Power Requirement	100-240 VAC, 50/60 Hz (24 VDC, 2.5 A, AC/DC Adaptor)
Connectivity	Ethernet
UV Specification	405 nm IEC62471

SOFTWARE

Features	Auto-orient for optimal position Auto-generation of supports Auto-mesh repair Layer slicer for path inspection Optimal printing PRESET for output
System Requirements	Windows 7 32 / 64bit (or higher) 4GB RAM (or higher) OpenGL 3.0 (or higher) File type .STL or .OBJ

PRINTING PROPERTIES

Technology	Liquid Crystal Planar Solidification
Build Volume	100 x 60 x 70 mm 3.9 x 2.4 x 2.8 in
Layer Thickness (Axis Resolution)	50 µm, 100 µm

CURING UNIT (RPC500)

Dimensions	22 x 15 x 26 cm 8.7 x 5.9 x 10.2 in
Weight	2.5 kg / 5.5 lbs
Power Requirement	100-240 VAC, 50/60 Hz (24 VDC, 2.5 A, AC/DC Adaptor)
LED Specification	395 nm





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