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RAYDENT
Studio

RBS-RD01 (rev.1)
Design and specifications are subject to change without notice

Your Dental 3D Printing Solution

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

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RAYDENT Studio

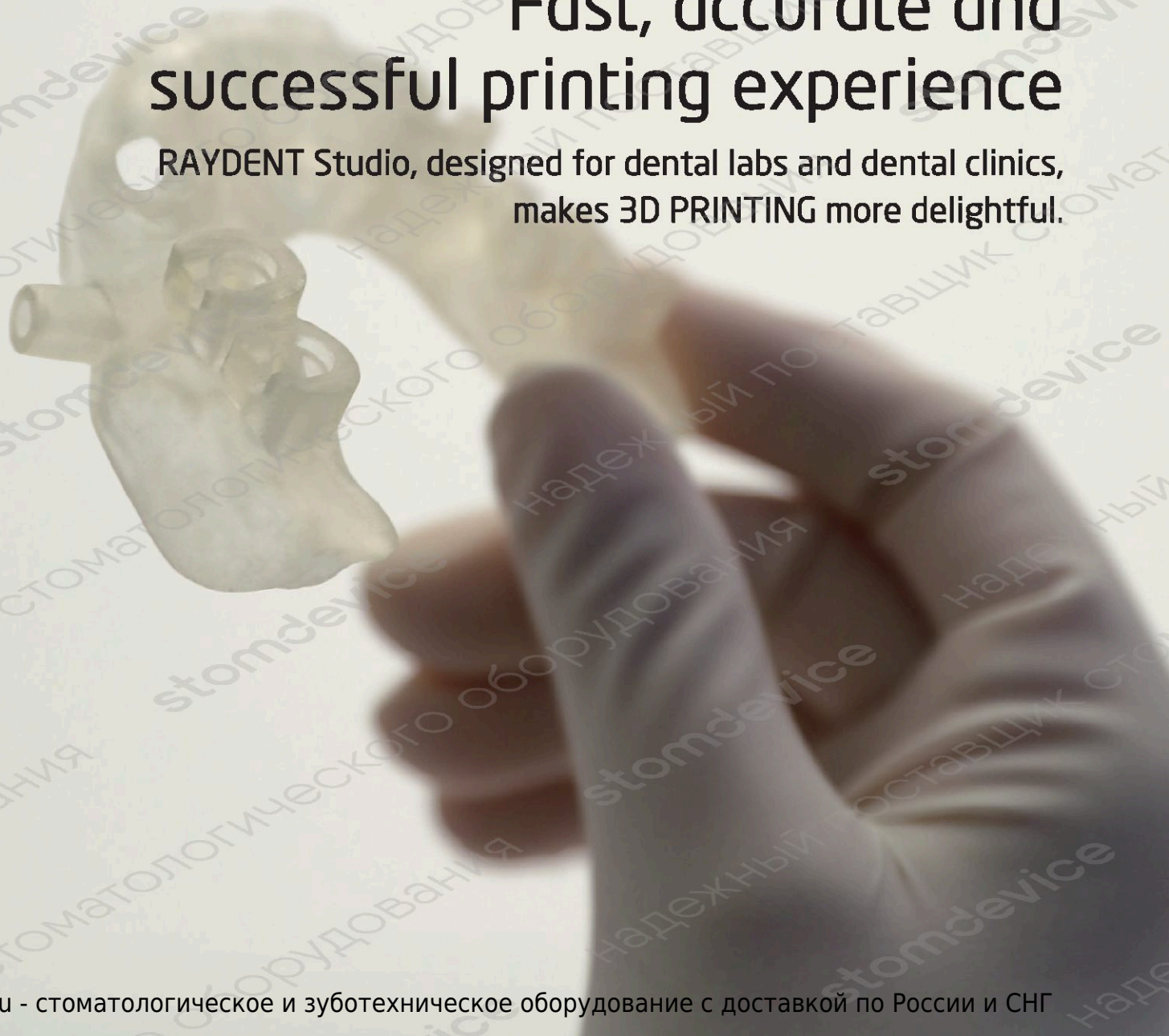
It is your complete solution with printing, curing and software.



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Fast, accurate and successful printing experience

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



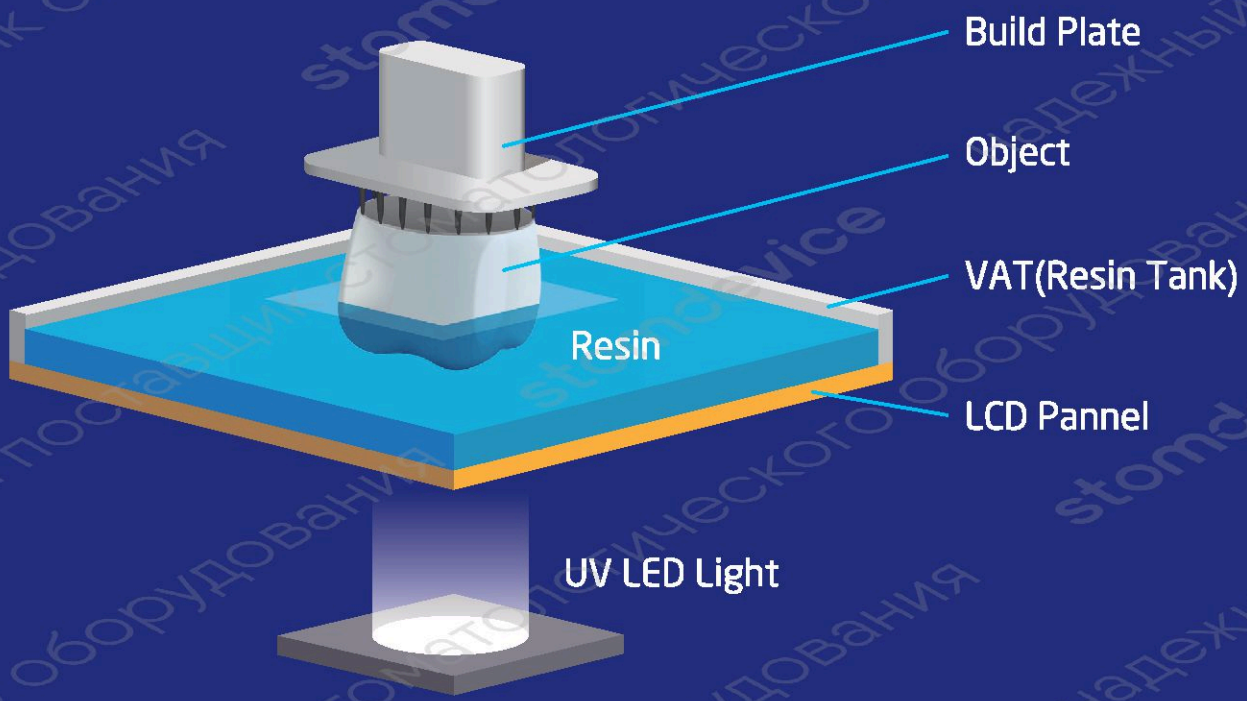
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RAYDENT Technology

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



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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).



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Dental Model

Printing time 40-50 min

Accuracy avg. 50 µm



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Temporary restoration

Printing time 20-25 min

Accuracy avg. 40 µm



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Surgical guide

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

Accuracy **avg. 50 µm**



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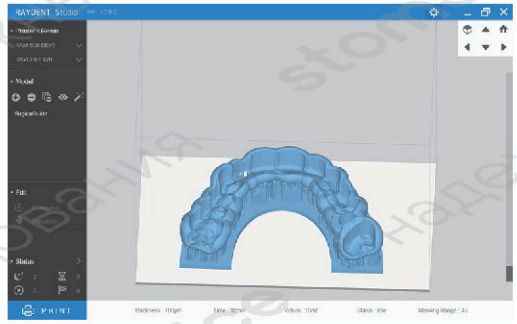
Software features

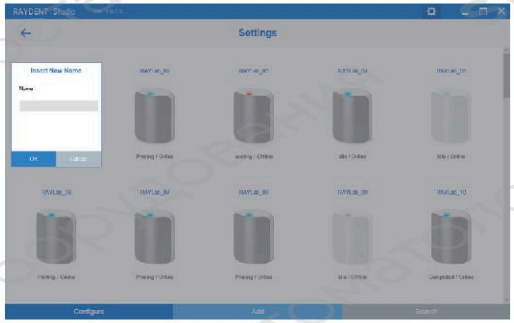
Auto-orient for optimal position

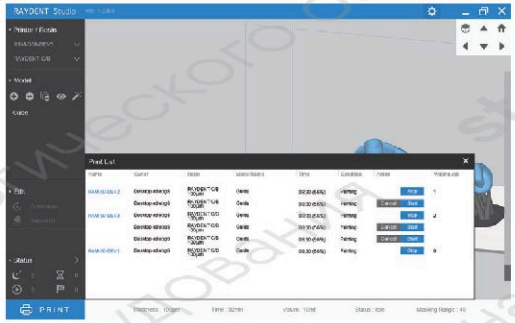
Auto-generation of supports

- 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

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

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

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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