

RF-3020D LCD Series - Technical Data Sheet (TDS)

Product Description

This RF-3020D LCD 3D printer features a robust and durable design with build-up dimensions of 228 × 128 × 235 mm, meeting the stability and mass production requirements of dental industry's demands for stability and mass production. Its unique release liner structure effectively reduces peeling forces, enabling high-speed printing up to 60 mm/h, significantly improving the production efficiency of dental models and restorations. The equipment employs a COB centralized light source design, achieving 92% light uniformity, ensuring printing accuracy and consistency, meeting the high demands of dental applications for detail and reliability. Furthermore, the upgraded user interface is easy to operate, lowers the barrier to entry, and provides the dental industry with a more efficient, intuitive, and professional user experience.

Technical Specifications

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| Build Volume | 228 × 128 × 235 mm |
| Pixel Size | 29.7 μm |
| Accuracy | 30 μm |
| Wavelength | 405 nm |
| Resolution | 7680 × 4320 |
| Layer Thickness | 0.025 – 0.1 mm |
| Projection Mode | Pull-up Projection |
| Resin Vat | Replaceable |
| Relative Humidity | < 60% |
| Operating Temperature | 22 – 26 °C |
| Machine Weight | 22 kg |
| Machine Dimensions (W × D × H) | 350 × 330 × 600 mm |
| Electrical Requirements | 200–240 VAC, 50/60 Hz, Single Phase |
| Rated Power | 128 W |
| Controlling Software | RAYFORM 3D PRINT SYSTEM |
| Operating System | Windows 10 |
| Supported File Formats | STL |

Notes: Specifications are subject to change without prior notice. All performance data are measured under standard laboratory conditions.