

# RF-4050 Series – Technical Data Sheet (TDS)

## Product Description

This RF-4050 3D is an industrial-grade 3D printer designed for the dental industry. It utilizes advanced HADP™ DLP technology and a large-scale molding platform for high-efficiency mass production. Combining high-precision sensing and intelligent liquid level control algorithms, it achieves high-speed printing while maintaining accuracy. Equipped with an innovative separation structure, automatic resin replenishment, and a multi-device intelligent control system, it supports stable 24/7 unmanned operation and boasts a long lifespan.

## Technical Specifications

Build Volume	384 × 432 × 50 mm
Pixel Size	100 μm
Dimensional Accuracy	±80 μm
Light Source Wavelength	405 nm
Resolution	3840 × 2160 px × 2
Layer Thickness	0.08 0.15 mm
Projection Mode	Top-down Projection
Resin Vat	Replaceable
Relative Humidity	< 60%
Operating Temperature	22 26 °C
Machine Weight	Approx. 800 kg
Machine Dimensions (W × D × H)	1550 × 1280 × 1930 mm
Electrical Requirements	200 240 VAC, 50/60 Hz, Single Phase
Rated Power	3 kW
Controlling Software	RAYFORM 3D PRINT SYSTEM
Operating System	Windows 10
Supported File Formats	STL / BMP

## Notes

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