

# Raise3D DF2 Solution

Beyond Prototyping: Traceable Workflow from Start to Finish



Raise3D DF2

Raise3D DF Wash

Raise3D DF Cure

The Raise3D DF2 solution is a Digital Light Printing (DLP) system offering speed, quality, exceptional reliability and efficient workflow via RFID. It is designed for low-volume production using a wide variety of high-performance resins.

Printing Technology: DLP

Max. Print Speed: 25 mm/h (0.1 mm per layer)

Build Volume: 200 x 112 x 300 mm

Max Z Workload: 10 kg

XY Resolution: 2560 x 1440

## **| Born for Batch Production—Reliable Quality & Upgrades in Efficiency**

The Raise3D DF2 Solution is designed for repeatable production. Whether in the context of a single batch from a single printer, multiple batches from a single printer, or multiple batches from multiple printers, our meticulous quality control of the optical system, precise light intensity calibration, integrated environmental control, and corrosion- and UV-resistant shell ensure consistent quality. From small batch to mass production, the Raise3D DF2 printer can easily meet diverse needs while minimizing labor management costs.

## **| Raise3D Resins—Oriented for Engineering Applications**

Raise3D offers easy-to-use resins specially developed and optimized for the Raise3D DF2 Solution, to meet the demand for precise prototyping and industrial engineering parts. Moreover, Raise3D is ready to implement the ORP (Open Resin Program) to cooperate with third-party resin manufacturers and provide users with a wider choice of high-performance resins.

## **| Simplified Operation—Less Contact with Resin, A Cleaner Workflow**

Engineered to be operated easily and cleanly, the Raise3D DF2 Solution reduces the chance of there being spills and stickiness. With an RFID-tag-integrated smart build plate and an intuitive interface, the entire workflow—from printing and cleaning to curing, is convenient and highly secure at every stage. This not only streamlines manual operations but also ensures your printing tasks are always accomplished with the same print results.

## **| All-in-one Slicing Software—Smart Slicing in Just One-click**

ideaMaker comes with a complete parameter panel that not only adds a new anti-aliasing function, but also automatically adds necessary support structures, contour compensation, cup detection and other essential functions, ultimately generating a compact GCode file to make your printing tasks more accurate and efficient.

# Raise3D DF2 Solution Technical Specification

Raise3D DF2 Specification	
Print Technology	DLP
Machine Size (W × D × H)	450 × 400 × 730 mm (17.7 × 15.7 × 28.7 inch)
Build Volume (W × D × H)	200 × 112 × 300 mm (7.87 × 4.41 × 11.8 inch)
XY Resolution	2560 × 1440
Max Z Workload	10 kg
Layer Height	50-100 micron
Max Printing Speed	25 mm/h (0.1 mm per layer)
Resin Level Detection	Yes
Auto Resin Refill	Yes
Control Panel	Touch Screen (1920 × 720, Magic Layout)
RFID Print Platform	Yes
Level Calibration	Calibrated in Factory
Chamber Heating	Yes (Max. 40°C)
Resin	
Compatible Resin	Available Color
Raise3D Standard	White
Raise3D High Detail	Apricot
Raise3D Tough 2K	Grey
Raise3D Rigid 3K	Grey
Raise3D High Clear	Coming Soon
Raise3D High Temperature	Coming Soon
3 <sup>rd</sup> Party Resin	Supported by Open Resin Program through Validation
Raise3D DF Wash Specification	
Machine Size (W × D × H)	400 × 410 × 646 mm (15.7 × 16.1 × 25.4 inch)
Washing Tank Volume	14 L
Max. Washing Volume	200 × 112 × 300mm (7.87 × 4.41 × 11.8 inch)
Compatible Solvent	IPA, Water, TPM
RFID Print Platform	Supported
Automatic Liquid Drainage	Yes
Raise3D DF Cure Specification	
Machine Size (W × D × H)	490 × 400 × 610 mm (19.3 × 15.7 × 24.0 inch)
Max. Curing Size	φ 230 × 300 mm (φ 9 × 11.8 inch)
Net Weight	31.95 kg
Gross Weight	45.5kg
Curing Source	LED (365nm, 385nm, 405nm mixed) Air Heating (Max Temperature 120°C)

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