

Raise3D DF2 Technical Specifications

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 engineering prototyping, manufacturing aids, and low-volume production using a wide variety of high-performance resins.

Printer	Raise3D DF2	
Printer Hardware	Print Technology	Digital Light Printing (DLP)
	Build Size (W × D × H)	200 × 112 × 300 mm (7.87 × 4.41 × 11.8 inch)
	XY Resolution	2560 × 1440
	Max Part Weight	10 kg
	Max Printing Speed	80 mm/h (0.2 mm per layer)
	Layer Height	50-200 micron
	Resin Management	Auto Resin Feeding, Resin Level Detection, Resin Confirmation
	Control Panel	Touch Screen (Resolution: 1920 × 720) with Magic Layout (Allow to easily adjust the print layout and duplicate prints)
	RFID Print Platform	Record the type of resin used and the printing, washing and curing settings
	Level Calibration	Calibrated in factory
Chamber Heating	Max 40°C	
Resins	Raise3D Resins	Raise3D Standard White Resin, Raise3D High Detail Apricot Resin, Raise3D Tough 2K Grey Resin, Raise3D Rigid 3K Grey Resin, Raise3D High Clear Resin, Raise3D Draft Grey Resin, Raise3D High Temperature Resin (Coming soon)
	OMP (Open Material Program)	LOCTITE® 3D IND405™, LOCTITE® 3D PRO476™, LOCTITE® 3D 3843™, LOCTITE® 3D PRO410™, LOCTITE® 3D PRO417™ Ultracur3D® RG 3280, Ultracur3D® RG 1100 B, Ultracur3D® EL 60, Ultracur3D® EL 4000
Software and Network	Connectivity	Wi-Fi, LAN, USB port × 2, Live Camera
	Network	Ethernet, Wireless 802.11 b/g/n
	Slicing Software	ideaMaker (Features: Antialiasing; Auto Support; Auto Orientation; Auto Cross Section Analysis; Contour Compensation; Suction Cup Detection; Hollow; Drainage Hole; Texture Generation; Smaller Gcode Size)
	Remote Management Software	RaiseCloud (Coming soon)
	Supported File Types	STL/ OBJ/ 3MF/ OLTP
	Supported OS	WINDOWS/ macOS/ LINUX
Operation and Shipping	Power Supply Input	100-240 V AC, 50/60 Hz 230 V @ 3.3 A
	Operating Ambient Temperature	15 - 30°C, 10 - 90% RH Non-Condensing (HOLD)
	Storage Temperature	-25 to 55°C, 10 - 90% RH Non-Condensing (HOLD)
	Machine Size (W × D × H)	450 × 408 × 730 mm (17.7 × 16.1 × 28.7 inch)
	Net Weight	40 kg (88.2 lbs)
	Gross Weight	59.4 kg (131 lbs)
	Shipping Dimensions	710 × 595 × 980 mm (28.0 × 23.4 × 38.6 inch)

Raise3D DF Wash & DF Cure Technical Specifications

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Wash	Raise3D DF Wash	
Wash Hardware	Washing Tank Volume	14 L
	Max Washing Size	200 × 112 × 300 mm (7.87 × 4.41 × 11.8 inch)
	Compatible Solvent	IPA, TPM
	Washing Features	Twin-turbo Washing, Hand Washing Simulation
	Drying Feature	Double Fan Air Drying
	Drainage	Automatic Liquid Drainage with Waste Container
	Wash Profile	RFID Auto Set or Manual Entering
Operation and Shipping	Power Supply Input	100-240 V AC, 50/60 Hz, 96 W
	Operating Ambient Temperature	10°C-35°C
	Storage Temperature	-25 to 55°C, 10 - 90% RH Non-Condensing (HOLD)
	Machine Net Weight	27.7 kg (61.1 lbs)
	Machine Gross Weight	45.8 kg (101 lbs)
	Waste Container Net Weight	0.7 kg (1.54 lbs)
	Waste Container Gross Weight	1.5 kg (3.3 lbs)
	Machine Size (W × D × H)	400 × 410 × 646 mm (15.7 × 16.1 × 25.4 inch)
	Waste Container Size (W × D × H)	350 × 190 × 290 mm (13.8 × 7.5 × 11.4 inch)
	Machine Shipping Dimensions	725 × 585 × 915 mm (28.5 × 23.0 × 36.0 inch)
	Waste Container Shipping Dimensions	407 × 247 × 349 mm (16.0 × 9.7 × 13.7 inch)

Cure	Raise3D DF Cure	
Cure Hardware	Max Curing Size	φ 230 x 300 mm (φ 9 x 11.8 inch)
	Curing Source	LED (365nm, 385nm, 405nm mixed); Max Air Heating Temperature up to 120°C
	Cure Profile	RFID Auto Set or Manual Entering
Operation and Shipping	Power Supply Input	100-240 V AC, 50/60 Hz, 500 W
	Operating Ambient Temperature	10-35°C
	Storage Temperature	-25 to 55°C, 10 - 90% RH Non-Condensing (HOLD)
	Net Weight	32.8 kg (72.3 lbs)
	Gross Weight	49.2 kg (108.5 lbs)
	Machine Size (W × D × H)	400 × 490 × 610 mm (15.7 × 19.3 × 24.0 inch)
	Shipping Dimensions (W × D × H)	725 × 585 × 850 mm (28.5 × 23.0 × 33.5 inch)