## 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

| Printer                   |  | Raise3D DF2                                    |  |
|---------------------------|--|--|--|
|                           | Print Technology                       | DLP  |  |
|                           | Build Volume (W $\times$ D $\times$ H) | 200 × 112 × 300 mm (7.87 × 4.41 × 11.8 inch)   |  |
|                           | XY Pixel Size                          | 78.5 micron                                    |  |
|                           | XY Resolution                          | 2560 × 1440                                    |  |
|                           | Max Z Workload                         | 12 kg  |  |
| Printer                   | Layer Height                           | 50-100 micron                                  |  |
| Hardware                  | 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)        |  |
|                           | Level Calibration                      | Calibrated in Factory                          |  |
|                           | Chamber Heating                        | Yes (Max 40°C)                                 |  |
|                           | Raise3D Standard                       | White  |  |
|                           | Raise3D High Detail                    | Apricot  |  |
| Resins                    | Raise3D Tough 2K                       | Grey   |  |
| (Available                | Raise3D Rigid 3K                       | Grey   |  |
| Options)                  | Raise3D High Clear                     | Coming Soon                                    |  |
|                           | Raise3D High Temperature               | Coming Soon                                    |  |
|                           | Open Resin Program                     | Coming Soon                                    |  |
|                           | Connectivity                           | Wi-Fi, LAN, USB port × 2, Live camera          |  |
|                           | Network                                | Ethernet, Wireless 802.11 b/g/n                |  |
| Software                  | Slicing Software                       | ideaMaker                                      |  |
| and<br>Network            | Remote Management Software             | RaiseCloud                                     |  |
|                           | Supported File Types                   | STL/ OBJ/ 3MF/ OLTP                            |  |
|                           | Supported OS                           | WINDOWS/ macOS/ LINUX                          |  |
|                           | Power Supply Input                     | 100-240VAC, 50/60 Hz 230V @ 3.3A               |  |
|                           | Operating Ambient Temperature          | 15 - 30°C, 10 - 90% RH Non-Condensing (HOLD)   |  |
|                           | Storage Temperature                    | -25 to 55°C, 10 - 90% RH Non-Condensing (HOLD) |  |
| Operation<br>and Shipping | Machine Size (W × D × H)               | 450 × 400 × 730 mm (17.7 × 15.7 × 28.7 inch)   |  |
|                           | Weight                                 | 40 kg (Net Weight)                             |  |
|                           |  | 59.4 kg (Gross Weight)                         |  |
|                           | Shipping Dimensions                    | 710 × 595 × 980 mm (28.0 × 23.4 × 38.6 inch)   |  |



## Raise3D DF Wash & DF Cure 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

| Machine                   | Raise3D DF Wash                        |  |  |
|---------------------------|--|--|--|
| Hardware                  | Washing Tank Volume                    | 14 L   |  |
|                           | Max Washing Volume                     | 200 × 112 × 300 mm (7.87 × 4.41 × 11.8 inch)   |  |
|                           | Compatible Solvent                     | IPA, Water, TPM                                |  |
|                           | RFID Print Platform                    | Supported                                      |  |
|                           | Automated Waste Drainage               | Yes  |  |
|                           | Power Supply Input                     | 100-240VAC, 50/60 Hz, 0.55 A/230VAC            |  |
|                           | Operating Ambient Temperature          | 10°C-35°C                                      |  |
|                           | Storage Temperature                    | -25 to 55°C, 10 - 90% RH Non-Condensing (HOLD) |  |
| Operation<br>and Shipping | Machine Gross Weight                   | 45.4 kg  |  |
|                           | Grey Tank Gross Weight                 | 0.65 kg  |  |
|                           | Machine Size (W $\times$ D $\times$ H) | 400 × 410 × 646 mm (15.7 × 16.1 × 25.4 inch)   |  |
|                           | Machine Shipping Dimension             | 725 × 585 × 915 mm (28.5 × 23.0 × 36.0 inch)   |  |
|                           | Grey Tank Shipping Dimension           | 407 × 247 × 349 mm (16.0 × 9.7 × 13.7 inch)    |  |

| Machine                | Raise3D DF Cure                              |  |  |
|------------------------|--|--|--|
| Hardware               | Max Curing Size                              | φ 230 x 300 mm (φ 9 x 11.8 inch)               |  |
|                        | Curing Source                                | LED (365nm, 385nm, 405nm Mixed)                |  |
|                        |  | Air Heating (Max Temperature 120°C)            |  |
|                        | Power Supply Input                           | 100-240 V AC, 50/60 Hz, 230 V AC @ 2.6 A       |  |
|                        | Operating Ambient Temperature                | 10-35℃   |  |
|                        | Storage Temperature                          | -25 to 55°C, 10 - 90% RH Non-Condensing (HOLD) |  |
| Operation and Shipping | Net Weight                                   | 31.95 kg                                       |  |
| ани эттрртід           | Gross Weight                                 | 45.5 kg  |  |
|                        | Machine Size (W $\times$ D $\times$ H)       | 490 × 400 × 610 mm (19.3 × 15.7 × 24.0 inch)   |  |
|                        | Shipping Dimension (W $\times$ D $\times$ H) | 725 × 585 × 850 mm (28.5 × 23.0 × 33.5 inch)   |  |

