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Raise3D N2: Review the Facts of this 3D Printer



by Bulent Yusuf
February 3, 2018

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CONTENTS

[Review the Main Features](#)

[Review the Tech Specs](#)

Keen to learn more about the [Raise3D N2](#)? Review the facts of this 3D printer here, with a full breakdown of features and technical specifications.

The 3D printer manufacturer [Raise3D](#) is a crowdfunding success story, [securing \\$445,892 from 348 backers](#) on Kickstarter in November 2015.

They currently offer multiple 3D printer options to suit any project, boasting some of the largest build volumes available along with a fully enclosed design.

The core design of the range is a fully enclosed build platform combined with a heated print bed, making it a great printer for ABS or Nylon material.

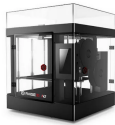
The material options with Raise3D printers include industry standards like PLA and ABS but also specialty filaments such as PETG and HIPS.

Each Raise3D printer also features an onboard battery backup so in the event of a power failure the printer will pause the current project and store its progress before shutting down.

The company also offers a dual-extrusion version ([Raise 3D N2 Dual](#)) and a version with a larger build volume of 12" x 12" x 24" ([Raise 3D N2 Plus](#)). Finally, you can have a combo of dual-extrusion and bigger build volume with the ([Raise 3D N2 Plus Dual](#)).

All their printers ship fully assembled.

RAISE3D N2



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RAISE3D N2 3D PRINTER

Review the Main Features





The Raise3D N2 has a huge build volume of 12" x 12" x 12". Additionally, the entire printer is fully enclosed with a sturdy aluminum metal frame and ABS, acrylic, and polycarbonate casing.

The fully enclosed design not only improves print quality when printing with materials such as ABS but also greatly enhances the safety of the printer, making the N2 Plus a great fit for schools and businesses.

Printing with a Raise3D N2 3D printer is especially user-friendly due to a 7-inch full-color touchscreen which allows for complete device control as well as print monitoring and fine-tuning during a print. The functionality of this screen can also be accessed via Wifi over a LAN setup, meaning you can control your Raise3D printer from anywhere in your home or office.

The touchscreen is also integrated with the N2's print resuming feature, allowing you to immediately resume a print that was interrupted due to a power outage or accidental shut-off.

The Raise 3D N2 comes stock with a heated bed and their V2 Hot End capable of temperatures up to 300 C. This makes the N2 compatible with almost any material currently available, including PLA, ABS, PETG, Nylon, Carbon Fiber, TPU/TPE (Flexibles), and Metal Composites (with the upgrade to a wear resistant nozzle).

Important to note is that the Raise3D N2 does not come with dual extrusion as standard. For those folks who need dual extrusion, the [Raise 3D N2 Dual](#) is your best bet. With dual extrusion, you can print with two different colors at the same time, or pair one material with a dissolvable support material like PVA and HIPS. With soluble support, you can print complex models with ease.

[BACK TO CONTENTS](#) ^

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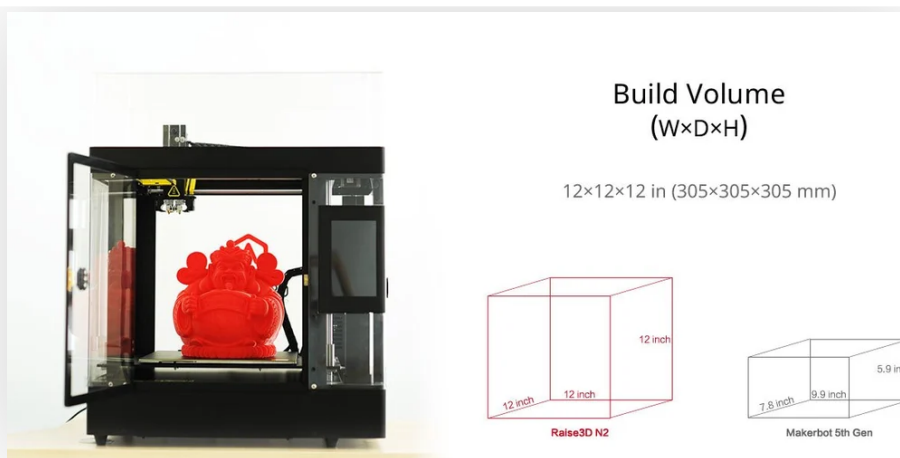
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RAISE3D N2 3D PRINTER

Review the Tech Specs

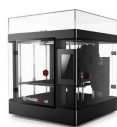


- **Print Technology:** FFF
- **Build Volume (WxDxH):** 12 x 12 x 12 inch / 305 x 305 x 305 mm
- **Layer Resolution:** 0.01~0.25 mm
- **Filament Type:** PLA, ABS, PETG, Nylon, Carbon Fiber, TPU/TPE (Flexibles), Metal Composites, and more.
- **Filament Size:** 1.75mm
- **Printing Surface:** Buildtak
- **Heated Build Platform:** Yes
- **Enclosure:** Yes
- **Nozzle Diameter:** 0.4 mm (0.016 in)
- **Nozzle Working Temperature:** 170-300 °C
- **Number of Nozzles:** 1
- **Printing Speed:** 10 ~ 150 mm/s
- **Moving Speed:** 150 ~ 300 mm/s
- **Positioning Accuracy:** XY-axes: 0.0125 mm, Z-axis: 0.00125 mm

[BACK TO CONTENTS](#) ^

RAISE3D N2

The Raise3D N2 has a huge build volume of 12" x 12" x 12", plus a 7" full color touchscreen and a hotend capable of reaching 300 degrees centigrade.



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disinofan · 3 years ago

Just a head's up, the N2 Plus has a build volume of 12x12x24 inches. I have this printer and I'm a noob to 3d printing. I'm printing around the clock and haven't had a problem other than when I tried to use the .2mm hardened nozzle. I'm pretty sure it was an issue with the either the slicer or my settings. I replaced it with the hardened .4, restored the defaults on the slicer, and can print detailed prints with large bridging without any problems again. The printer also works with Cura so I'm looking into that.

One negative I've found so far, there's a thermal protector that should be used on the main board to prevent it from burning out. They don't have an ETA on when it's available and told me they're looking at sending any of them out on a case by case basis. The board only has a 90 day warranty. I find this unacceptable. It should be included, sent for free since it's not, and at the very bottom of customer service be available for purchase. But it's not and for a \$4,000 printer, that's not acceptable. March 12, 2018.

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