

## POST-PROCESSING

The dirty little 3D printer secret  
no one talks about.

**UNTIL NOW.**

PRESENTING

# Rize™ One

The only zero-post-processing, industrial  
desktop 3D printer.



You need to produce usable parts faster than ever to stay competitive. But post-processing adds hours and cost onto the 3D printing process. The Rize One zero-post-processing 3D printer eliminates the hassles that frustrate users,

keeping focus on the creativity and function that's essential to innovation and production. Gone are the messy and toxic post-processing materials, the special hookups and space required for post-processing devices and disposal and, most importantly, the hours of expensive labor required to deal with all of it. Now you can produce industrial-class parts in the lab or on demand, right in your office, hassle free, safely and affordably, to:

- Improve designs
- Streamline operations
- Increase the accuracy of production
- Customize tooling, jigs and fixtures
- Reduce defects during manufacturing
- Speed time to market
- Cut costs

### Say no to post-processing. We did.

- Rize offers the only zero-post-processing 3D printer; eliminating time-consuming support removal and producing a usable part 50% faster than other systems.
- Rize One will pay for itself in months in post-processing labor, materials and equipment cost savings.
- Our unique software enables you to automatically 3D print even imperfect files, getting you from file to part quickly and easily.

### Produces parts 2X stronger than similar systems.

- Virtually 0% strength loss, producing isotropic parts twice as strong as other technologies.
- Build multiple parts simultaneously.
- 3D print high-definition text and image onto your parts anytime, anywhere.



**rize**



## You can't put an ROI on safety.

- Unlike other desktop 3D printers, Rize One is entirely office safe, with no harmful particle emissions and no messy or toxic post-processing.
- All the materials used in the Rize One process are safe and recyclable.
- Compact enough to sit in the lab or on your desk without special facility or disposal requirements.

### How it works

Rize uses our patented Augmented Polymer Deposition (APD™) technology to produce commercial-quality parts safer, stronger and faster than FDM systems:

- 1. Prepare your file:** Unique software makes your 3D file 3D printable with just one click.
- 2. 3D print your part:**
  - Rize One automatically heats and extrudes Rizium™ One, our engineering- and medical-grade thermoplastic filament, to form the support structure for the part.
  - A print head jets Release One repelling ink between the support structure and the part.
  - Rizium One is extruded, building up the layers of the part.
  - The print head jets Marking Ink wherever and whenever it's called for in the file to produce text and images on the part.
- 3. Release the part:** Simply release the 3D printed part from its support structure cleanly, safely and in seconds with your bare hands; without any filing or sanding, it's ready to use.

### MATERIALS

- **Rizium One:** Our own compound of engineering- and medical-grade thermoplastic.
- **Release One:** A repelling ink jetted between the part and its support structure, releasing the bond between these two layers, making support removal faster and safer than any other 3D printing process.
- **Marking Ink:** Jetted wherever it's needed to produce text and images onto parts.

To learn more, email us at: [info@rize3d.com](mailto:info@rize3d.com) or call +1 978-699-3085.



Rize Inc., 4C Gill Street, Woburn, MA 01801 USA | [www.rize3d.com](http://www.rize3d.com)

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