

Form2 3D printer maintenance and troubleshooting

Precautions

- The amber cover must be closed all the time except for taking the platform out
- Exposing the resin to direct light even for few seconds will decrease both resin and resin tank quality
- Resin should only be inside the resin tank; any splashes or leaks must be cleaned right away with a dry wipe or wipe moistened with isopropanol if dry wipe doesn't help
- Isopropanol near the printer must be handled with caution, as it may damage the resin and resin tank if it came in contact with them
- Build platform must be cleaned after each print from any resin residues, or otherwise resin accumulation will damage the platform
- Leaving printed parts in the rinsing station for a long period (more than 2 hrs) will not only damage your parts but also will require replacing the isopropanol in the rinsing sink

Maintenance and Troubleshooting

- **Resin tank** life is 1-3 L of resin, usually we use the resin tank without any problem until bottom turns cloudy. This means PDMS in the bottom of the resin tank is not transparent any more and resin tank has to be replaced
- **Replacing Resin Tank with a new resin tank** should be done with caution to avoid any spills. Wiper is detached from its holder and resin tank is pulled forward using tank handles to free it from the tank carrier. New tank is placed and pushed against the tank holder then wiper is attached.
- **Resin Cartridges** has to be replaced when a “no enough resin” message pops up before you print. Always try to keep an extra resin cartridge so if you are going to use the last new resin cartridge, make sure you place an order for new cartridge
- **To place an order**, you can call customer support at (617) 657-1291 to get a quotation. Also, for materials and supplies visit Formlabs® store at <https://formlabs.com/store/us/form-2/>
- **Leakage and spills** have to be cleaned up right away before the resin solidifies. Cleaning can be done with Chem-wipes moistened with isopropanol
- **Optical window** beneath the resin tank must be clean from any dust or particles using air or nitrogen gas near the printer. Use compressed air, and if

needed, dry PEC-PAD (Lint-free wipe to avoid surface scratches) can be used.

For resin cleaning you can use PEC-PAD moistened with isopropanol. Check

<https://support.formlabs.com/hc/en-us/articles/115000016204>

- For cleaning after failed print check <https://support.formlabs.com/hc/en-us/articles/115000013710-Cleaning-after-a-Failed-Print>
- For other troubleshooting visit [Formlabs.com](https://formlabs.com)