

K2 Plus Poop Chute Print & Install Guide

Carries purge down the back of a Creality K2 Plus, clear of the fans and the power switch.

PET-G

Stock Screws

Optional Desk Funnel

Built by MakerX Designs · Virginia Beach, VA · makerxdesigns.com · © 2026

The K2 Plus drops its purge out of a small port on the back panel, and from there it goes wherever gravity takes it. My printer sits at the back edge of my desk, so I wanted that purge carried down the back of the machine and into the trash can under the desk.

- **Uses the stock screws.** It mounts on the two screws either side of the waste port. No extra hardware.
- **Clear of the fans.** Its walls stand 3 mm off the panel wherever they cross a fan grille, so the fans keep breathing.
- **Clear of the power switch.** It ends beside the power inlet, not over it.
- **Open back.** The printer's panel is the fourth wall, so purge slides down smooth plastic.



Installed: from the waste port down past the fans.

In the download

File	What it is
makerx-creality-k2-plus-poop-chute.3mf	Start here. Two plates, Chute and Desk Funnel , with the tested PET-G profile already set up.
makerx-creality-k2-plus-poop-chute.STL	The chute on its own.
makerx-creality-k2-plus-poop-chute-desk-funnel.STL	The optional desk funnel.

Fits the Creality K2 Plus

It is the only model I have measured. The chute is 132 × 325 × 25 mm; the desk funnel is 60 × 76 × 195 mm.

1 • Print it

Plate	Time	Filament
1 • Chute	1 h 41 m	75.66 g
2 • Desk Funnel (optional)	3 h 56 m	161.10 g
Both	5 h 37 m	236.76 g

- 1 Open `makerx-creality-k2-plus-poop-chute.3mf` in any slicer that imports 3MF project files. When it asks whether to load the project's print settings, **say yes**.
- 2 **Plate 1, Chute.** It prints lying flat, open side down, with a little tree support (0.29 g). Snap the support off when it is done.
- 3 **Plate 2, Desk Funnel.** Only if your printer sits at the back edge of a desk (see page 4). It prints standing up, with a 5 mm brim to peel off.

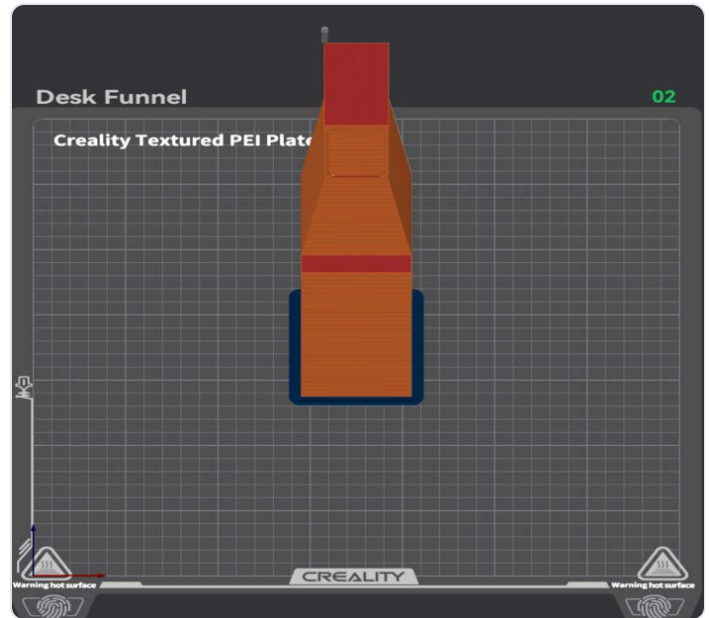


Plate 2: the desk funnel stands upright inside its brim.

The profile baked into the 3MF

Using your own profile instead? Match these. Sliced on a Creality K2 Plus with a 0.4 mm nozzle.

Quality	
Layer height	0.20 mm
First layer	0.20 mm
Walls	3 loops
Top / bottom	5 / 3 layers
Infill	15 % gyroid
Z anti-aliasing	On

Material & plate	
Filament	PET-G
Nozzle temp	250 °C
Bed temp	70 °C, textured PEI plate
Supports	Tree , auto
Brim	Auto, 5 mm

The support and brim settings apply to both plates, but the slicer only puts support under the chute and only puts a brim around the funnel.

2 • Install the chute

- 1 **Take out the two screws** either side of the waste port on the back panel. Keep them; they hold the chute on.
- 2 **Start each screw through its tab** on the chute until about 1 mm of the tip pokes out the back.
- 3 **Hold the chute in place**, open side against the panel and the top over the waste port, and use the two screw tips to find the holes in the printer.
- 4 **Drive both screws in** until the tabs sit firmly against the panel.

The factory screws are not M3

They are coarse self-tapping screws, and they reach through the chute's tabs to the printer. The 1 mm trick is what makes them easy to line up. They go in nicely.

What to check once it is on

The chute curves down between the rear fans and ends beside the power inlet. The plug and the switch should still be easy to reach, and nothing should sit over a fan grille except the chute's raised walls.



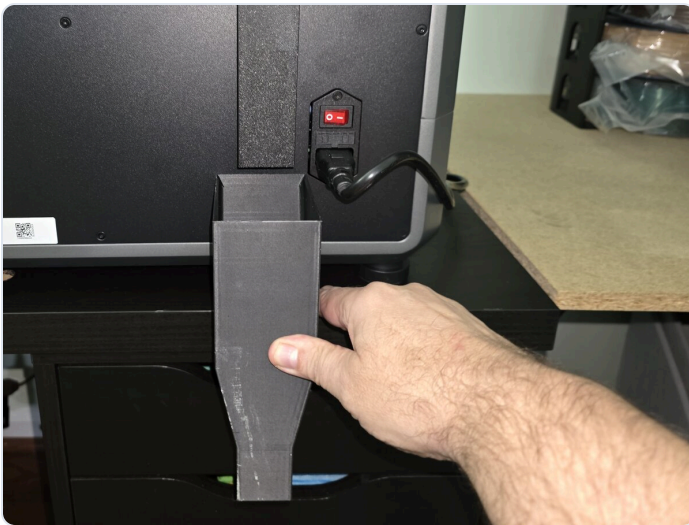
The two tabs at the top, on the stock screws.

3 • The optional desk funnel

For a printer at the back edge of a desk. The funnel sits on the desk edge right behind the printer, catches the purge, and turns it forward under the desk into a bin.

Check your setup first

- The back of the printer needs to sit **13 mm in** from the back edge of the desk, so the funnel's ledge has room.
- The funnel's exit starts **57 mm below the desktop**, so a desktop up to about **55 mm thick** clears it.
- The chute ends about **110 mm above the desk**, which leaves a small gap above the funnel.



The funnel on the desk edge, under the end of the chute.



The chute ends just above the funnel's mouth.

- 1 **Set the funnel's ledge on the desk edge** behind the printer, directly under the end of the chute.
- 2 **Put a bin under the desk**, in front of the funnel's exit.

Where precision meets the printer

Thanks for printing this one. If it keeps the purge off your desk and out from behind the printer, that is exactly what it was designed to do.

For years my design world existed entirely behind a screen. As a mechanical engineer I spent countless hours building complex CAD models, but there was always a missing link — the ability to hold an idea in my hands. That changed in January 2026, when I went headfirst into 3D printing. The moment that first layer stuck to the bed, the gap between concept and reality vanished.

Coming from a background where precision is everything, tolerances aren't suggestions to me — they are a religion. I didn't want to print trinkets; I wanted to apply industrial engineering discipline to desktop manufacturing. Every wall count, every layer height and every infill percentage in this guide is a deliberate decision backed by testing. If a part can't handle the environment it was built for, it goes back to the drawing board.

Three principles behind every print

01**Functional Engineering**

High-utility, real-world solutions rather than purely decorative models. If it doesn't solve a practical problem, it doesn't leave the workstation.

02**Rigorous Tolerances**

Designed in professional CAD with mechanical intent — press-fits that click and assemblies that work straight off the build plate. No sanding, no filing, no guesswork.

03**Bridging the Gap**

Industrial structural integrity at maker speed. Proving a desktop printer can produce parts worthy of real engineering applications is what drives every release.

The workshop

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Put one on your own K2 Plus? Post a make with a photo — I would love to see how your desk is set up.

Happy printing. — MakerX Designs · makerxdesigns.com · © 2026