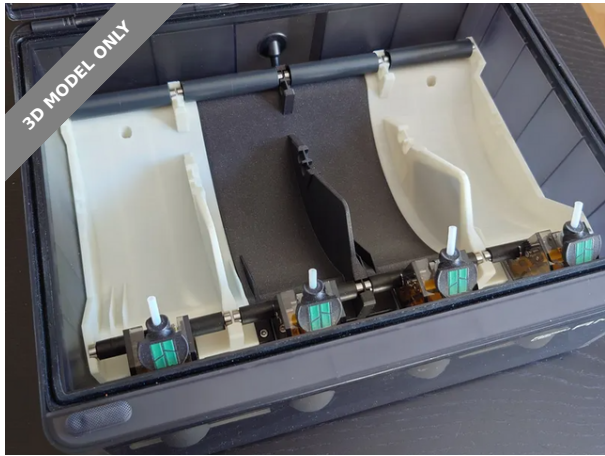




Hydra AMS - PTFE Load Buttons



humebeam

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Summary

Hydra AMS - PTFE Load Buttons

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Notice, this design is for the **older style** of AMS feeding funnel that has a slim press button. If you're having a newer AMS unit with thicker press buttons, please get that version of the Hydra AMS - PTFE Load Button here:

Hydra AMS - PTFE Load Buttons (For New version of the AMS Funnel)

Left: Older AMS (Slim Button)
Right: New AMS (Thick Button)



Thanks to Kamil Kubica for bringing this to my attention.

Notice: Not all older AMS units will have the slim feeding funnel pictured above, please check yours before printing.

Update December 19, 2023

Version 1.6 is online. It has an even slimmer profile to ensure it fits under the lid with Hydra AMS and Hydra PRO without issues.

Update November 15, 2023

Version 1.5 has been uploaded. It has a tab locking it in place, preventing the button from falling off which could occasionally happen when changing spools with the previous version.

Support

All my designs and mods on Printables are free to use and remix. They have a non-commercial license. If you enjoy this or any of my other designs you can send me a small donation using the link below. Thanks :)

<https://www.paypal.me/humebeamengineering>

About

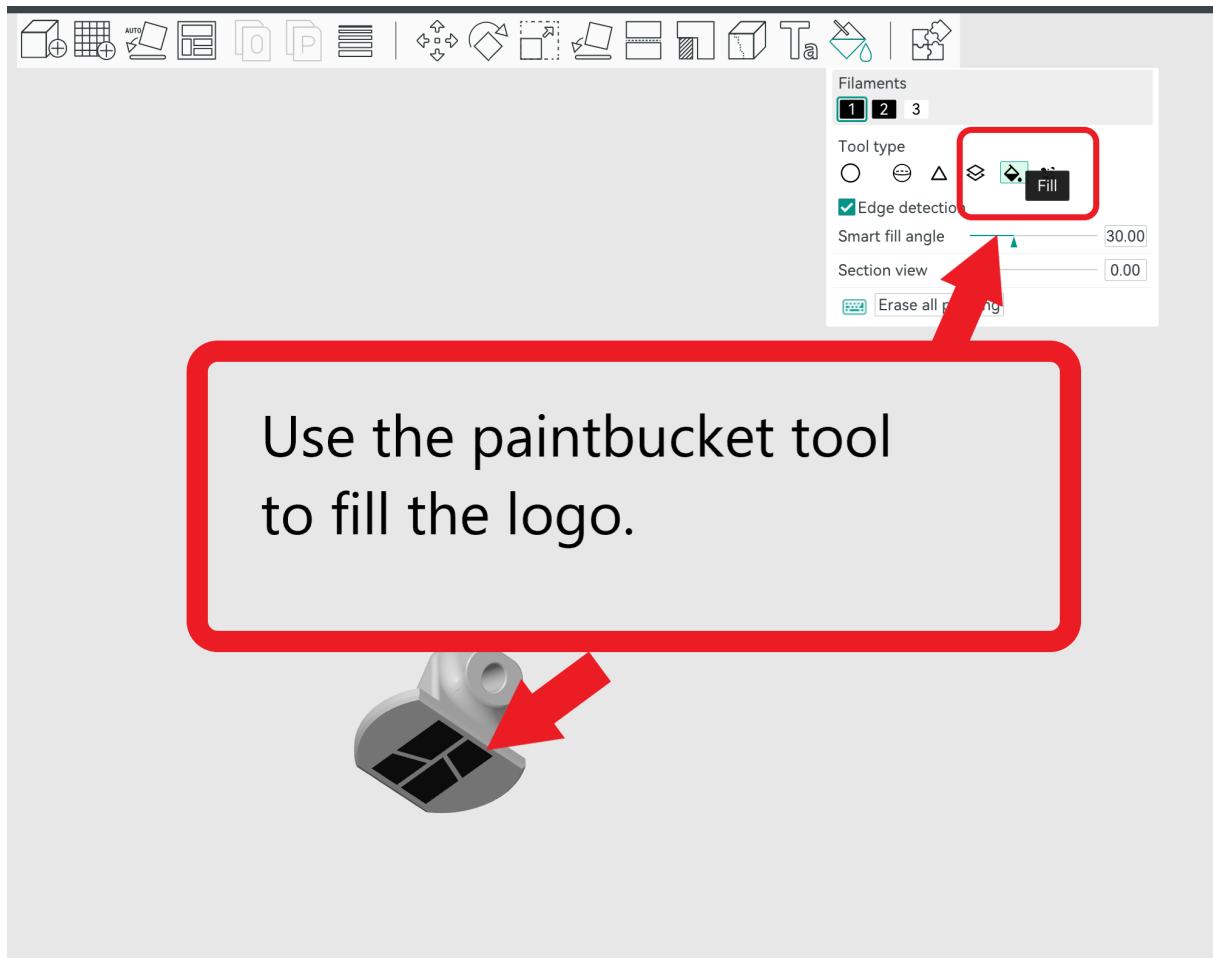
These are enlarged PTFE load buttons for Hydra AMS. They're designed to both save the AMS funnels and improve ergonomics.

Which version to print?

There are two versions, the only difference is the clearance against the PTFE tube. For most the "normal" version should fit well. You may want to clear the hole with a 4 mm drill bit.

Print Settings

Print them in the direction I have set them with the button flat on the bed. Use a layer height of 0.20 mm or lower. You can paint the logo in the slicer if you like:



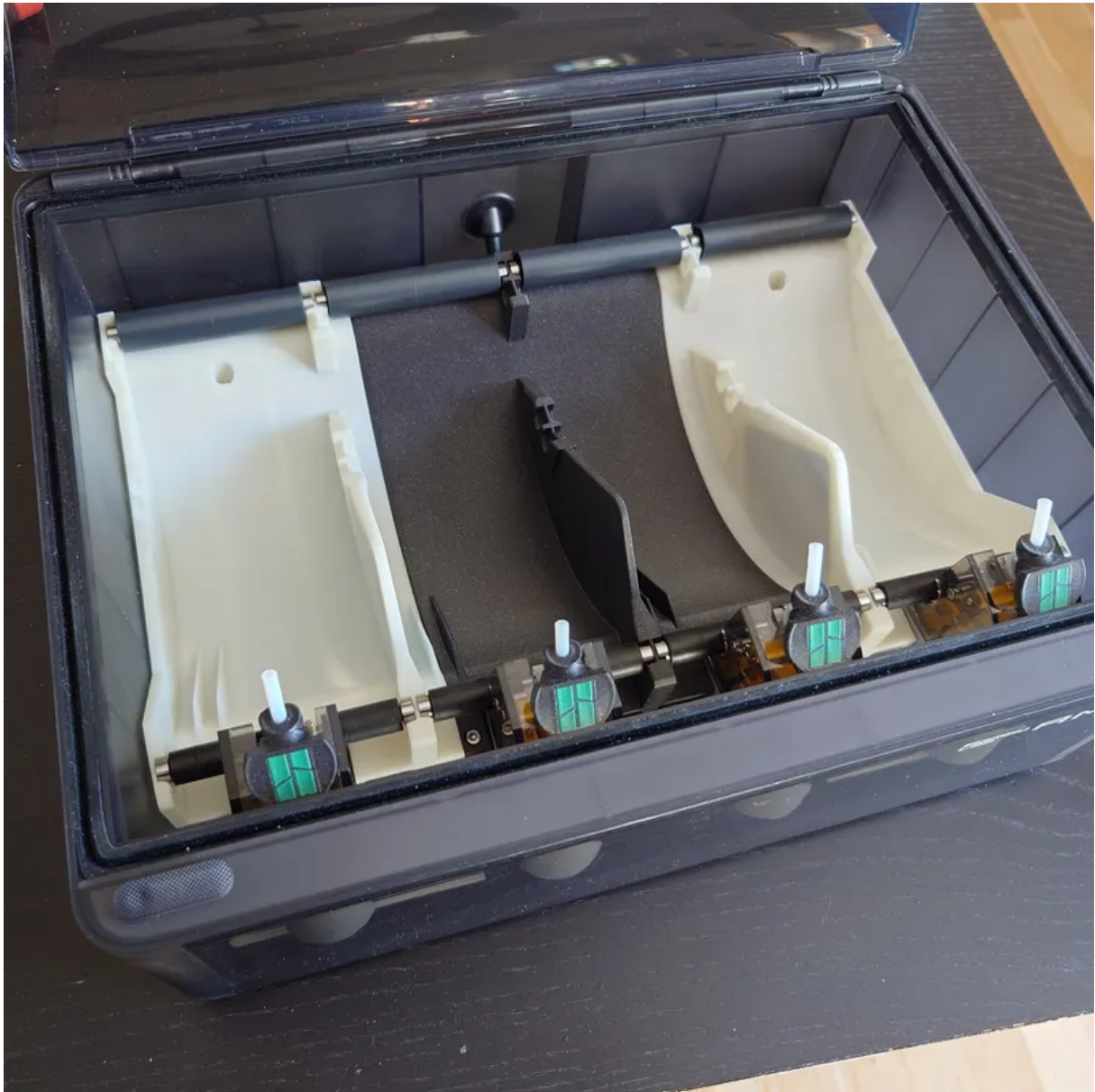
Installation

Press the bottom of the feeder and at the same time install the button. Once done, press down the PTFE tube a little to lock it in place.

You must install the buttons after the main Hydra AMS is in place in the box, not before (there is not enough space otherwise).

I know visibility of what's going on is not great with the video, I'll share a better one later.





Installation Video

Model files



hydra-ams-ptfe-load-button-normal-410-mm-16.3mf



hydra-ams-ptfe-load-button-wide-420-mm-16.3mf

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