3D Recycling Trash Can

ARGO Workshop

VIEW IN BROWSER

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Summary

To collect printed parts you would usually throw away devided by their materials.

3D Printers > Accessories

Tags: recycling trashcan trash recyclingfilament recyclingbin

If you want to collect material for filament recycling, you have to keep it sorted by material (PLA, Wood, Copper, PETG, ABS and so on). You also have to keep it clean, which is why i designed these enclosed bins. They can also fit a standard bag in which new filament spools ship as the trash bag, so you dont have to throw that away either. After a bag is full, close it with a clip in one of my other models and send it to services like Recycling Fabrik, Formfutura or similar.
To put the bins together in a stack, you just need to slide them together since they have “rails” on both top and bottom. I have designed these to stack 4 of them on top of each other, with one being the lowest. I also added mounts for attaching them to 30mm Aluminum extrusion on the very top and bottom, but you can remove them very easily. The actual bins and brims are always the same though.
You also need two threaded M3 inserts and two M3x10mm screws per Bin.

You might need a few supports on the Parts that stop the Bins from sliding all the way through, so check on that please.

Lastly, if you have questions, want additional file formats, have a Commission, or just want to nerd out about 3D Printing stuff:
Dont hesitate to contact me at maxheider111@gmail.com , Instagram @Pathfinder_Max or directly over Printables/Thingiverse!

Model files

outside_one_v1.stl

outside_two_v2.stl

outside_three_v3.stl

outside_four_v1.stl

brim_v2.stl

bin_v2.stl

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