KUTAS 3D Printable Toothbrush Holder | Ribbed Bathroom Tray Organizer

KUTAS is a modern 3D printable toothbrush holder and bathroom organizer with a clean ribbed texture, rounded tray shape, and removable-style cup sections for everyday bathroom essentials.

The design includes a long oval tray base with three cup sizes, making it perfect for organizing toothbrushes, toothpaste, floss picks, makeup brushes, cotton swabs, or small skincare items.

The bottom of the tray is designed to look especially nice when printed in two colors. You do not need an AMS or multi-color printer for this - the color change can be done manually with a simple pause during printing.

The legs are printed separately and are designed to be glued into the bottom of the tray after printing.

Approximate dimensions:

Tray: **205 × 105 mm**
Large cup: **Ø89 × 110 mm**
Medium cup: **Ø49 × 50 mm**
Small cup: **37 × 37 × 40 mm**

Filaments I used: Bambulab Matte PLA Bone White + Latte Brown

Print instructions

Recommended print settings:

Layer height: **0.20–0.24 mm**
Infill: **7–12%**
Infill pattern: **Gyroid**
Supports: **No**

Two-color printing without AMS

The bottom of the tray is designed to look best when printed in a second color. This gives the toothbrush holder a clean, decorative contrast and makes the base detail more visible.

You can do this even if you do not have an AMS or a multi-color printer.

Slice the model as usual, then open the preview in your slicer. Use the layer slider on the right side of the preview and move through the print layer by layer. Look for the first layer where the

ribbed/wave edge of the tray begins to appear. This is the layer where you should add a pause or filament change.

If you are printing with **0.20 mm layer height**, add the pause at **layer 29**.

Start the print with your bottom color. When the printer pauses, unload the first filament and load your second color. Purge the filament until the new color comes out clean, then resume the print.

For other layer heights, the exact layer number may be different. Use the slicer preview and add the pause at the first layer where the ribbed edge starts.

The model can also be printed in one color if you prefer a simpler, monochrome look.

Assembly

After printing, glue the legs into the prepared spaces on the bottom of the tray.

Apply a small amount of strong glue to each leg, place them into the openings, and make sure they are aligned evenly before the glue sets. Let the glue dry fully before using the holder.

💬 Questions or Feedback?
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🧠 Join the Community:
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