



## MODUBOX | 3D Print Tools Organizer



Ender Firatoglu

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## Summary

Every maker deserves a workspace where everything has its place.

[Hobby & Makers](#) > [Organizers](#)

Tags: [organizer](#) [tool](#) [toolbox](#)

MODUBOX | Tool Holder

### Keep Your Tools Organized. Work Smarter.

**Every maker deserves a workspace where everything has its place.**

Meet **MODUBOX**, a practical, thoughtfully designed, 3D-printable desktop organizer created specifically for makers, 3D printing enthusiasts, model builders, and DIY professionals.

Whether you're assembling prints, painting miniatures, designing prototypes, or working on your next big project, MODUBOX keeps your essential tools organized, visible, and always within reach.

Designed Around Your Workflow

Unlike ordinary storage boxes, MODUBOX features dedicated compartments designed for the tools you actually use:

- **Adhesives & Glues:** A dedicated compartment for glue bottles and bonding supplies.
- **Hand Tools:** Convenient storage for frequently used tools.
- **Brushes:** Keep your painting and cleaning brushes organized.
- **Files & Precision Knives:** Separate storage for files, hobby knives, and X-Acto tools.
- **Side Storage:** A slim compartment for rulers, scrapers, calipers, and measuring tools.
- **Front Access:** Easily reach your pliers, side cutters, and other frequently used tools.

Everything has its place, so you can focus on creating instead of searching.

One Design, Two Configurations

MODUBOX consists of **two printable parts**:

### 1. Main Organizer

The functional storage unit, designed to stand independently.

### 2. Optional Angled Base

An additional component that tilts the organizer for improved visibility and easier access to your tools.

Prefer a vertical setup? Simply skip printing the angled base!

## A Small Detail That Makes a Difference

During assembly, I added a thin **orange EVA foam layer** between the two components, matching the orange accents of the print.

This layer helps compensate for minor surface irregularities, provides cushioning, and reduces direct vibration transfer between the joined parts.

It's an optional finishing touch that adds both functionality and visual character.

Easy to Print. No Supports Needed!

MODUBOX was designed with printability in mind.

### Recommended Print Settings

- **Layer Height:** 0.20–0.28 mm

- **Infill:** 5%
- **Supports:** Not required
- **Material:** PLA
- **Multicolor System:** Optional
- **Assembly:** Adhesive recommended when using the angled base

Although 5% infill might sound low, most of the organizer consists of structural walls, making this setting sufficient for typical desktop organization.

## **Add Color Without a Multicolor Printer!**

Want the same orange accent lines shown in my photos?

You don't need a CFS or any other multicolor system!

Simply insert filament-change pauses around **layers 316-326**, depending on your slicer settings and desired color transitions.

Switch to your accent color, then continue printing.

Important: Layer numbers are based on my original slicing configuration. Always verify the corresponding heights in your slicer's preview before printing.

Of course, MODUBOX also looks great printed entirely in a single color.

### Important Slicer Note

When placing both components on the same build plate, some slicers may automatically position the purge/prime tower inside the organizer's compartments.

**Always check the tower placement in Preview before starting your print.**

Move the tower to a suitable location or adjust your multicolor settings if necessary.

### Why MODUBOX?

- ✓ Purpose-built for makers and 3D printing enthusiasts
- ✓ Multiple dedicated tool compartments
- ✓ Optional ergonomic angled base
- ✓ Support-free printing
- ✓ Low infill requirement
- ✓ No multicolor printer required
- ✓ Customizable accent colors
- ✓ Clean, modern desktop appearance

## Less Clutter. More Creativity.

Your tools should help you create, not slow you down.

**Print your MODUBOX, organize your workspace, and get back to making something amazing!**

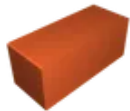
If you enjoy this design, please consider leaving a like, sharing your print, and following me for more practical 3D-printable creations.

**Happy Printing!**

## Model files



**toolbox-2.stl**



**toolbox.stl**



**toolbox.3mf**

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