Printables by JOSEF PRUSA

Pro Vanity Station – Makeup Organizer with Removable Drawers

3_Dave

VIEW IN BROWSER

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Summary

Practical makeup organizer with dedicated holders, three removable drawers, and easy-to-clean rounded corners.

Hobby & Makers > Organizers

Tags: organizer holder desktop storage station bathroom brush drawers vanity system beauty makeup cosmetics artist removable cosmetic

Meet the **Pro Vanity Station**—a practical 3D-printable organizer designed around the everyday needs of makeup users and professional makeup artists.

Instead of creating another simple brush holder, I wanted to build a complete workstation that keeps different types of cosmetics visible, sorted and within easy reach. The organizer combines circular holders, narrow tool slots, larger compartments, a spacious front tray and three removable drawers in one compact design.

The layout was inspired by existing makeup storage solutions and by analyzing how makeup products and tools are used during a typical workflow.

Designed for real makeup products

The top section provides dedicated spaces for:

- Face and eye makeup brushes
- Mascara, concealer and lip gloss tubes
- Lipsticks
- Eyeliners, lip pencils and brow pencils
- Foundation and primer bottles
- Setting spray
- Eyeshadow and face palettes
- Powder compacts
- Makeup sponges and other frequently used accessories

Several holder sizes accommodate products with different diameters and shapes. The open layout keeps everything visible and easy to reach while working.

Three removable drawers

The organizer includes three separate removable drawers for smaller products and accessories, such as:

- Cotton pads
- Makeup sponges and cosmetic wedges
- Disposable spoolies and applicators
- Cotton swabs
- False eyelashes
- Pencil sharpeners and other small tools

Each drawer can be completely removed, making it easier to access its contents, empty it and clean it.

Easy to keep clean

Makeup can be messy, so cleanability was an important part of the design.

Corners and transitions throughout the organizer are rounded to reduce the places where powder, cream and glitter can accumulate. The large open tray is easy to wipe, while the removable drawers can be taken out and cleaned separately.

There are no sharp internal corners at the bottoms of the storage compartments.

Standalone organizer with an optional decorative base

The **main organizer does not require the base or feet**.

Simply print the organizer body and three drawers to obtain a complete, stable and fully functional makeup station.

The separate base and four feet are optional decorative elements. They give the model a raised, furniture-inspired appearance but do not affect its core functionality. This allows you to choose between:

- A simpler and more material-efficient standalone version
- The complete display version with the decorative base and feet

Model dimensions

- Main organizer: approximately **209 × 169 × 75 mm**
- Decorative base: approximately **220 × 180 × 10 mm**
- Each drawer: approximately **62.5 × 65 × 52 mm**
- Each optional foot: approximately **20 × 20 × 14 mm**

Please check your printer’s available build volume before printing.

Required parts

For the complete functional organizer:

- 1× main organizer body
- 3× removable drawer

Optional decorative parts:

- 1× base
- 4× foot

No decorative parts are required for the organizer to function.

Printing recommendations

- Material: PLA, PETG or another rigid filament
- Nozzle: 0.4 mm
- Layer height: 0.20–0.24 mm
- Infill: approximately 10–15%
- Walls: 2–3 perimeters
- Print the parts in their supplied orientation

The download includes three prepared build plates separating the base, main organizer with feet, and drawers.

The main body contains wide drawer openings, so supports may be required beneath the upper surfaces of these compartments depending on your printer, slicer and bridging performance. Automatic or tree supports are recommended where necessary.

The drawers, base and feet are printed as separate parts. No multicolor system is required—the contrasting appearance shown in the photos is achieved by printing separate components in different filament colors.

Assembly

1. Print the main organizer body.
2. Print three drawers.
3. Slide the drawers into the front compartments.
4. The organizer is now complete and ready to use.

For the optional display version:

1. Print the decorative base and four feet.
2. Install the feet in the base.
3. Place the organizer on top of the base.

No complicated mechanism or permanent assembly is required.

Design goals

This model was designed around five priorities:

- Practical storage for different makeup product sizes
- Fast and comfortable access
- Stable desktop use
- Easy cleaning
- Straightforward FDM printing

I hope the Pro Vanity Station helps keep your makeup area organized and makes your daily workflow a little more enjoyable.

If you print it, please share your make and let me know which products you store in each compartment!

Model files

organizer.stl

feet.stl

base.stl

drawer.stl

set.3mf

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