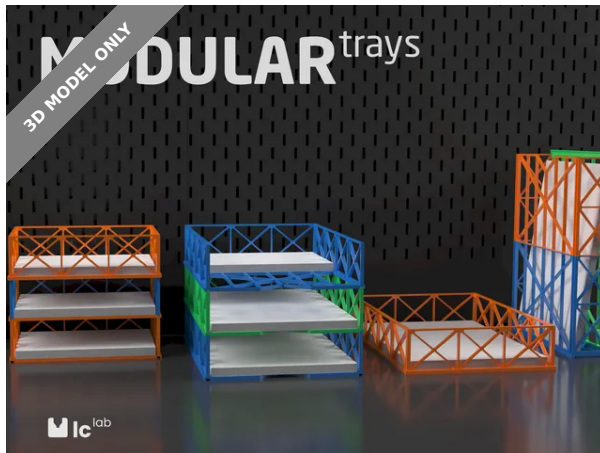




Modular Trays For Work & School

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Summary

Modular organizer system for home and work: three trays and a cover join via U-clips into stacks, boxes and files.

[Household](#) > [Office](#)

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A modular organizer system for desks, shelves and drawers. Its frame design borrows from steel construction: vertical posts, horizontal chords and diagonal bracing form a stiff, lightweight trusses.

Three A5 tray types and one A5 lid connect with two U-clip types – no screws, glue or tools required.

Build flat or stacked trays, organizers, boxes or upright files, and reconfigure them whenever your needs change.

To change a configuration, pull the clips off and rebuild.

Feel free to up- or downscale the elements.

Have fun!

Update (version 2): Tray I, tray II and cover IV are now available in two versions.

- **Version 1** keeps the uniform member thickness throughout – visually the most consistent design, but the frame members along the edge where two trays or covers meet proved too delicate.
- **Version 2** doubles the thickness of these connecting members, and U-clip 1 has been adapted accordingly.

I recommend version 2 – the final choice is, of course, yours.

Elements

- **Tray I (black):** basic tray
- **Tray II (orange):** tray with cutout for easy access
- **Tray III (green):** box variant
- **Cover IV (blue):** lid, fits trays I-III
- **U-clip 1 (yellow):** joins two trays into an A4 tray
- **U-clip 2 (red):** locks trays and covers together for upright configurations (upright file / magazine holder).

Print Settings

Setting	Value
Layer height	0.20 mm
Supports	Cover IV: None Tray I – III: Everywhere (snug, default settings).
Infill	15 %

Assembly

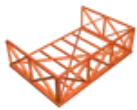
Every tray has the same A5 format. Trays can be combined in three ways:

- **Side by side:** combine two A5 trays to one A4 tray.
- **Stacked:** stack A5 or A4 trays.
- **Upright:** turn a closed stack upright to create a file or magazine holder.

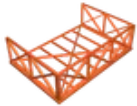
There are two clip types: U-clip 1 and U-clip 2 (see image "U-Clip Connectors: Types & Application"). Both clips snap onto the frame members from the side.

- **U-clip 1** is used wherever two trays meet side by side.
- **U-clip 2** connects cover IV to any of the three trays.

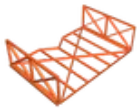
Model files



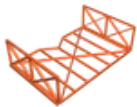
tray-i-version-1.stl



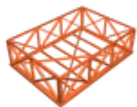
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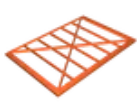
tray-ii-version-1.stl



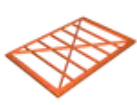
tray-ii-version-2_recommended.stl



tray-iii.stl



cover-iv-version-1.stl



cover-iv-version-2_recommended.stl



u-clip-1-version-1.stl



u-clip-1-version-2_recommended.stl



u-clip-2.stl

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