



## Ikea Lack Modular & Scalable Enclosure -With Room for Spools- DIY Print Farm



Angie

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### Summary

We wanted a sturdy, space efficient and scalable way to accommodate our growing print farm with space for spools.

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[lack](#) [extender](#) [spools](#) [scalable](#) [mk4](#) [farm](#) [setup](#)

We built a scalable 3D printer farm that optimally utilizes our space. We combined components from multiple creators on Printables with low-cost IKEA furniture, repurposed materials, and tools we had on hand.

Most of the models we referenced kept their spools outside the enclosure, routing them through the top, and used the bottom table for storage. We decided to keep the spools inside the enclosure and use both levels for printers. To achieve this, we added 8 inches of height to the enclosure with printable or wooden legs. These can be secured via printed brackets and/or double ended wood screws. This setup accommodates the additional clearance we needed for the foam and tile used for weight and dampening movement. We also found that the tower moves less when weight is at the

top, so we use the top space for storage instead of the bottom. To make this model scalable, we added mounting brackets for use between the enclosure towers. We recommend using these “[Lackets](#)” to keep the whole enclosure secure to the wall.

For a detailed tutorial on construction, please visit our insights page [here](#) FYI: the leg brackets and hinges are from another model similar to the remixed one but I cannot find it anymore. Please let me know if anyone finds them so I can add them on here!

## This remix is based on



### **Original Prusa i3 MK3 ENCLOSURE -Ikea Lack table - Prusa Research**

by Dominik Císař



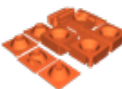
### **Lack Stack Extension**

by jericho

## Model files



**lack\_enclosure\_top-corners.stl**



**lack\_enclosure\_bottom-corners.stl**



**lack\_enclosure\_handles-magnets.stl**



**lack\_enclosure\_leg-brackets.stl**

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**lack\_enclosure\_stability-brackets.stl**

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**lack\_enclosure\_8in-leg-extensions.stl**

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