



SEM stub holder rack (customizable)



PeThR

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Summary

Customizable scanning electron microscopy pin mount rack Make sure to customize the settings according to your needs....

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Tags: [storage](#) [rack](#) [thingiverse](#) [electronmicroscopy](#)
[pinmount](#)

Customizable scanning electron microscopy pin mount rack

Make sure to customize the settings according to your needs. The STLs are designed so that the pin mounts slide in easily but do not squeeze in tightly to allow fast sorting and short transportations. For a tighter fit, reduce Inner Rad and increase Inner Height.

I'm happy for every make upload :-)

Enjoy scanning!

Settings

- Number X: how many holder positions in x direction
- Number Y: how many holder positions in y direction

- Handle:0 = no; 1 = yes (Number X must be even if Handle = 1)
- Outer Rad:inner radius of outer cylinder
- Outer Height:height of outer cylinder
- Inner Rad:inner radius of inner cylinder
- Inner Height:height of inner cylinder
- Thickness:wall thickness of cylinders
- Base Width:width and length of base plate for each cylinder
- Base Height:height of the base plate
- Base Width Handle:space for handle in base plate
- Handle Rad Base:basal radius of handle
- Handle Rad Top:top radius of handle
- Handle Height:handle height
- Fa:minimum angle for a fragment (smoothness setting)
- Fs:minimum size of a fragment (smoothness setting)

Print Settings

Printer:

FolgerTech i2020

Rafts:

No

Supports:

No

Resolution:

0.2mm

Infill:

30%

Category: Learning

Model files



sem_rack_4x3_nohandle.stl

sem_rack_customizable.scad

sem_rack_4x3_handle.stl



[Find source .stl files on Thingiverse.com](#)

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