

3D MODEL ONLY

RatRig V-Core 3 Flexplate Aligners

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Summary

Aligners for the magnetic print sheet of the RatRig V-Core 3 Series.
Compatible with every version and configuration.

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It always bothered me that you can't align the magnetic print sheet on the magnet very well on the V-core 3. With those small prints you can now. They are simply slid on the back edges of the Bed plate and clamp themselves into the unused mounting holes on the underside of the plate. No screws are needed, they can be installed and deinstalled in seconds without tools. They don't block the holes on the top and therefore don't interfere with the magnet which partially overlaps with the holes.

Supports:

They are constructed such that you can print them easily with tree supports from buildplate only but they work with normal supports as well.

Orientation:

The Face with the letter should face up.

Material:

Doesn't matter. They are so far of to the side of the heated area that it shouldn't be a problem even with low temperature materials like pla.

They can also be used to align the magnet when gluing it on for the first time.

If you have glued it already to the bed you might check if it is placed in the middle of the bed to avoid problems with the distances to the edges. The magnet should have 10mm distance to each edge for the aligners to work. If the distance to the edges differs from 10mm you might want to modify the aligners.

In order to do that I've included the original Fusion360 files below. You just have to modify the first sketch which includes four measurements of each 10mm. Insert your measured values and everything else should work on its own.

Model files



bed_aligner_right.stl



bed_aligner_left.stl



bed-aligner-v4.f3d

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