



Material Standoff for laser cutter



THE NOG

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Summary

Got tired of using a honeycomb bed for laser cutting, so I made these stand offs to cut on my steel table top

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Who needs a honeycomb bed when you have your mildly dangerous laser cutter on a steel work surface? Not me, and not you if you print these! A simple way to keep the material off the flat surface to allow proper airflow while removing the restrictions of a honeycomb bed.

Obviously these are for those of us with the “open-air” laser cutters that are flooding the market and have them on a magnetic work surface. I have mine on what was a steel kitchen prep table and have tested it to ensure that it is indeed “laser proof”. I highly encourage you to be safe when dealing with lasers and attempting to use these.

Print Settings

These are designed to be printed vertically with no supports needed. May need a brim if you don't have over the top bed adhesion. Material shouldn't matter as pretty much anything will melt if you accidentally hit it with the laser.

Materials

3x 10mmx3mm Magnet (1 for each the top and bottom and 1 to place on top of the material)

Perhaps some CA glue

a magnetic laser-resistant surface

Remember, you only get one set of eyes, so be safe.

Model files



lasermaterialstandoffs.step



lasermaterialstandoffs.3mf

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