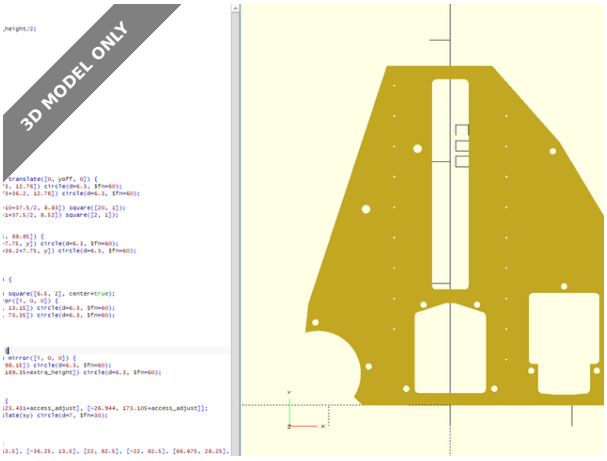

LR3 Adjustable Side Plates

Jamie

VIEW IN BROWSER

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Summary

Extend the Z range on the LR3. NOTE: Extended Z is intended for lightweight materials (like foam) only!

Hobby & Makers > Tools

Parametric side plates with variables to allow higher Z movement. Also allows wider wheelbase, in case extreme heights might have more risk of tipping in Y-Z plane.

NOTE: This is for milling tall, lightweight materials like foam! For tall wood or metal workpieces, it is far superior to build a drop-table and use the stock Y-Z plates, rather than extending the Z axis with this modification. The stiffness drops dramatically with excessive height, and tall workpieces (or workpieces on tall vises) will have poor performance.

More information or discussion available here: https://forum.v1engineering.com/t/lr3-adjustable-height/32764

A few sizes are provided as SVG files, but the intent is that you would use the OpenSCAD model to create your own custom sizes. Post a comment if you can't use OpenSCAD and there is a particular size that you want.

This is a derivative of the LR3 side plates, and as such it is bound by the same CC-NC-SA license, with some additional permissions granted according to https://www.v1engineering.com/license/

This remix is based on

LowRider 3 CNC
by V1 Engineering

Model files

lr3-yz-adjustable.scad

Other files

lr3-yz-75_50.svg

lr3-yz-150_75.svg

lr3-yz-baseline.svg

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