

Creality drag knife mount [vinyl cutter]



pixel2

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Summary

Turn your Creality printer into a drag knife cutting machine for less than \$15. Great for making vinyl stickers and...

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Turn your Creality printer into a drag knife cutting machine for less than \$15. Great for making vinyl stickers and t-shirt iron-ons. This was designed for the CR-10 but it should work with Creality printers with the same X carriage.

Adjusting the hook for a different hot end shroud is a simple tweak in Blender.

What you need:

Drag knife from [Amazon](#)/eBay search 'vinyl cutter blade holder Roland'
rubber band

you might need a longer M3 bolt

Follow this tutorial: <https://www.instructables.com/id/Use-3D-Printer-As-a-Plottercutter/>

Additional notes:

-It's a good idea to smooth the bottom edge of the blade holder so it doesn't snag on cut edges

-The hardest part is getting the correct depth of cut. Try doing it with the knife holder in your hand [keep it vertical] and drag it across a scrap. When the vinyl is cut and the backing is not, you are good to go.

-When calibrating for "work Z coordinate" have the knife holder push up against the rubber band about 1mm. This will compensate for a warped/ slightly unlevel bed.

-The Inkscape extension needs strokes to create gcode. When saving, the error "no points" means you have no strokes [only fill]. Text needs to be converted to paths. Make it easy to see the cuts by turning off fill and turning on strokes (set width to .1mm) for each object.

-The CR-10 connects through COM 3 @ 115200 baud rate

Remove knife holder when 3D printing

Print Settings

Supports: Yes

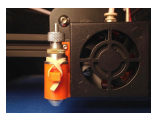
Resolution: .2

.4 nozzle with .4 wall width

5 walls [perimeters]

support only for the rubber band hook on the front

This remix is based on



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by pixel2

Model files



creality_dragknife_mount.stl



mount_usespring.stl



spring.stl

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

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