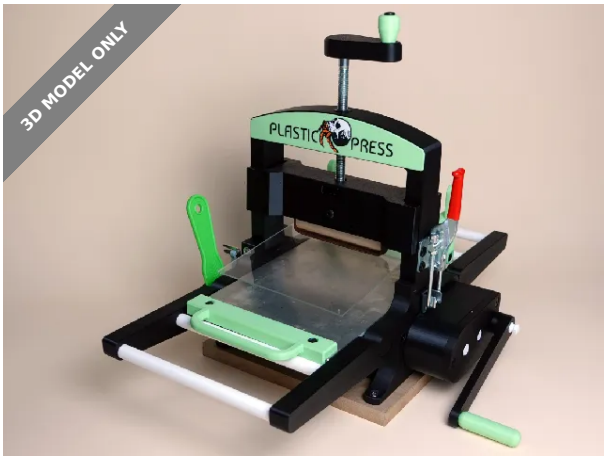


Hermit Crab Litho Press

SomePrintDude

VIEW IN BROWSER

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Summary

A 3d printed press built to print stone lithographs

Hobby & Makers > Tools

Tags: print art litho lithography printmaking printingpress lithopress

A 3d printed Litho press for printing stone lithographs. Admittedly this press runs up to the limits of plastic, and can only print lithographs on thin papers (i.e. kitakata, newsprint, masa) To print on thicker western papers like stonehenge, BFK, Arches, etc... you should lightly dampen your paper before printing. This press features the same format and frame as my etching press, but needs a lot more hardware because of the complexity of the moving parts and the focus on repairability this time. You can download the manual and see if the workload seems manageable for you before printing.

You should have a 3d printer that can print 250mm x 250mm x 250mm.

The press should be printed in PLA for its stiffness. I have tried ABS and it does not deliver enough pressure.

I made these files free because I want to make printmaking more accessible. If you want to support my years of research, consider buying the STEP file version of this model or donate to my buy my a coffee page.

https://www.youtube.com/watch?v=2Z25ExdHOLE

Model files

accent color 6 files



pressure-crank-knob.stl



press-bed-tympan-arm.stl



press-bed-hinge-x-2.stl



press-bed-tympan-base.stl



handle-knob.stl



press-bed-handle.stl

body color 13 files



frame-spacer.stl



frame-wing-left-x-2.stl



frame-wing-right-x-2.stl



handle-arm.stl



frame-back.stl



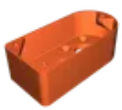
pressure-crank-arm.stl



scraper-bar-holder.stl



gearbox-cover.stl



gearbox-cup.stl



handle-lock-pin.stl



grease-cup-accessory.stl



frame-front.stl



frame-dome.stl



roller color 9 files



gear-big-part-2.stl



roller-connector-pre-supported-x-2.stl



bottom-roller-part-1.stl



bottom-roller-part-2.stl



gear-middle-part-2.stl



roller-pre-supported-x-4.stl



gear-big-part-1.stl



gear-middle-part-1.stl



gear-small.stl



nameplate-simplified.stl



hermit-crab-name-plate.3mf

Other files



hermit-crab-plastic-press-v1.pdf



hermit-crab-hole-guide.pdf

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