

Heat Set Insert Press



Maker Mike

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Summary

A simple tool to insert Heat Set Inserts. Easier and more accurate inserts.

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[heatsetinsert](#) [voron](#)

An easy way to build a Heat Set Insert Press.

Full instructions on Youtube....

Supplies:

- 30cm(12 inches) length of square aluminium tube 25.4mm(1 inch)
- Four screws 4mm diameter for the base
- Two screws 3mm diameter 5mm long
- A piece of wood for the base approx 125mm x 250mm
- Four 3D printed parts, STL files below
- Couple of rubber bands

Print details:

- 0.2mm layer height.
- No supports.

- Print the iron holder part in PETG, ASA or ABS, not PLA as it might soften when the iron warms up.

Have included the Fusion 360 export for the main tool if you'd like to look closer or modify.

The iron holder Fusion 360 export is included so you can see how I customised for my soldering iron.

UPDATE 8 Nov 2023:

Added an easier way to model the holder using a photo of your iron and a canvas in Fusion 360. This is shown in the video below. The Fusion 360 example is included in the Printables files.

Also included is the Test Block which fits M3 inserts.

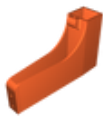
Model files



example-iron-holder-customise-to-fit-your-iron.stl



base.stl



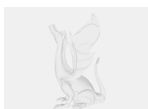
iron-holder-arm.stl



top-cable-guide.stl



heat-set-insert-tool-press-v19.f3d



heat-set-insert-tool-iron-holder-v4.f3d



test-block.stl



heat-set-insert-test-block-v1.f3d



holder-build-example-using-fusion-360-canvas.f3d

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