



Heat set insert rig



Icebear

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Summary

A simple heat press tool that uses a modified parts like 608 bearings and the LeaderPro, 80w, soldering iron.

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Tags: [iron](#) [soldering](#) [608bearing](#) [inserts](#) [insert](#) [rig](#)
[608bearings](#)

This is a remake of two different models.

This model is adapted to use 608 bearings and Leader Pro 80w, soldering iron.

<https://www.prusaprinters.org/de/prints/76059-jo-presser-threaded-insert-heat-press>

<https://learn.adafruit.com/heat-set-rig/overview>

I have taken different parts that i could use with 608RS bearings.

- Roller Carriage

4x ball bearings 608RS

4x m6 nuts

4x m6 screws

2x m4 inserts

2x m4 screws (to fasten arm)

- Arm

2x m3 inserts

2x m3 screws 10mm (to fasten solder pen holder)

- Solder pen holder

4x m2.5 10mm screws

4x m2.5 inserts

- Pulley idler

1x bearing 608RS

4x m2.5insert

4x m2.5 short screws

1x m3 insert

1x m3 screw

(I used some washers so that the bearing was fixed)

- other

Use some string to connect roller carriage to the weight holder

- Iron holder

4x m2,5 insters with screws

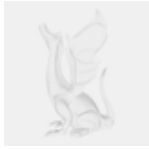
and a small pieace of resistance band to make the soldering iron from falling out. Use what you have to fixat it properly in the holder.

- Soldering Iron

https://www.amazon.de/-/en/Soldering-Professional-Adjustable-Temperature-Switch/dp/B0B1TKJSS2/ref=sr_1_1?crid=2HH5OO3E9IBSB&keywords=leaderpro%2B80w&qid=1701992828&srefix=leaderpro

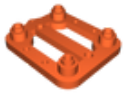
As counter weights I have used nuts with a diameter of 29.9mm

This remix is based on

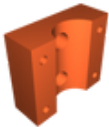


None

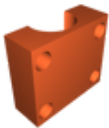
Model files



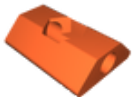
roller-carriage.stl



solder_pen_holder_clamp_back.stl



solder_pen_holder_clamp_front.stl



idler-frame-holder.stl

📄 2 needed



idler_frame.stl



idler_housing.stl



pulley_idler_wheel.stl



arm.stl



2020-mount.stl



v-slot-wheel.stl

☐ 4 needed



weights-holder.stl

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