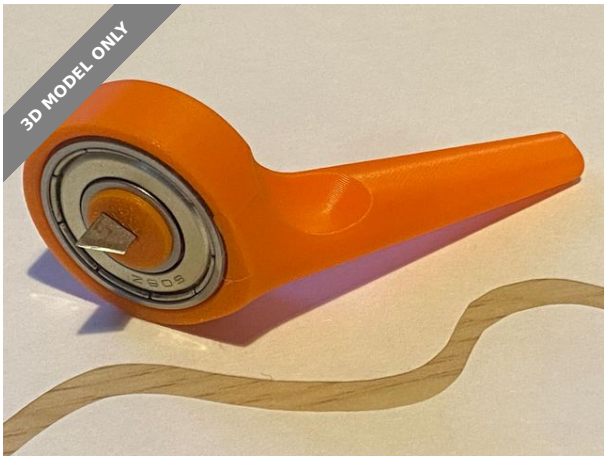

gyrocutter - rotery cutter

laurens

VIEW IN BROWSER

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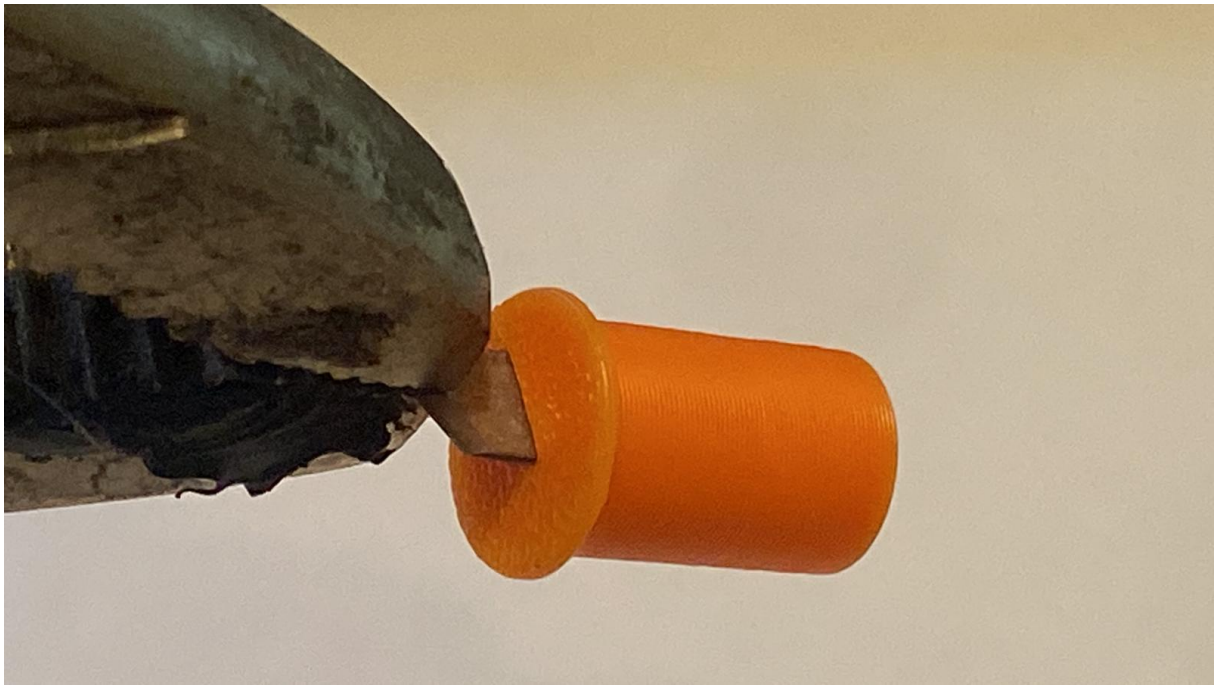
Summary

Introducing a 3D printed variant of the popular Gyro-Cut tool, Ideal for cutting paper, vinyl, fabric, and other thin ma

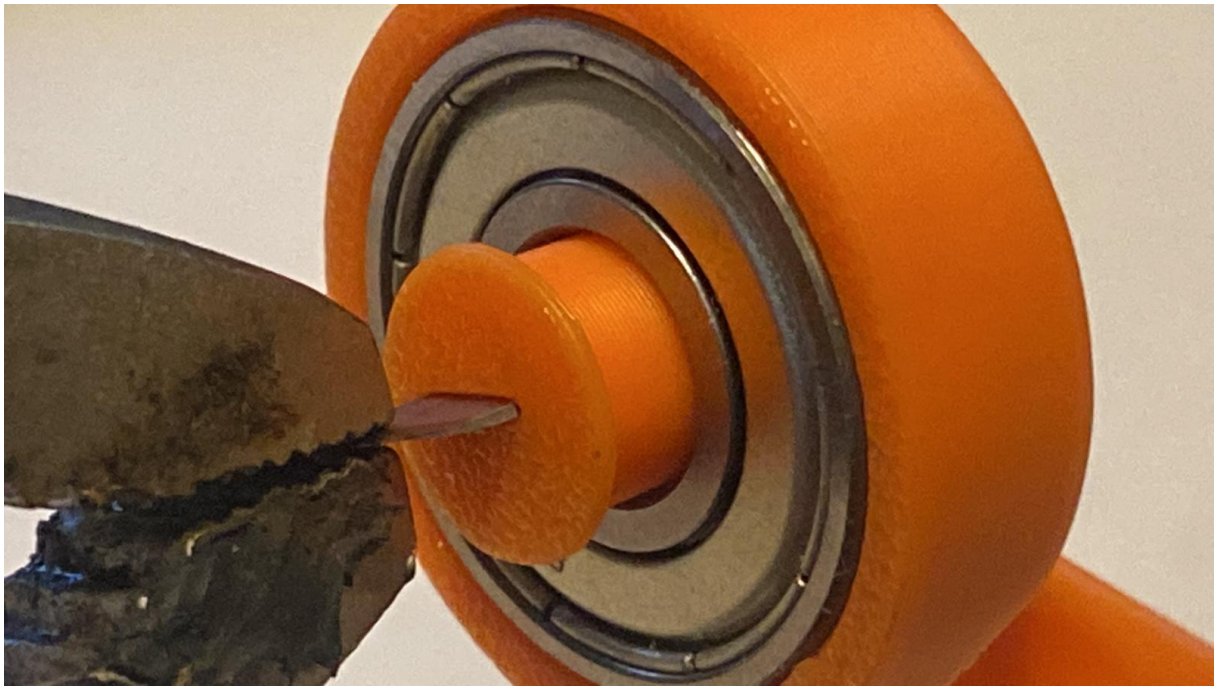
Hobby & Makers > Tools

Introducing a 3D printed variant of the popular Gyro-Cut tool, designed for precision cutting in crafting and hobby projects.
This tool utilizes a 605Z bearing and the smallest Stanley snap-off blade (9mm) to provide smooth, accurate cuts without tearing the material.
Ideal for cutting paper, vinyl, fabric, and other thin materials.
What You Need:
- 3D printed parts (download the STL files)
- 605Z bearing
- 9mm Stanley snap-off blade
- Pliers (for inserting the blade)
Assembly Instructions:
1. **Print the parts:** Download the STL files and print them using your 3D printer.
Ensure you use a high-resolution setting for better accuracy:
- 0.4 nozzel
- 0.2 layer
2. **Insert the bearing:** Place the 605Z bearing into the designated slot in the main body of the tool. The bearing should fit snugly with a pressure fit.

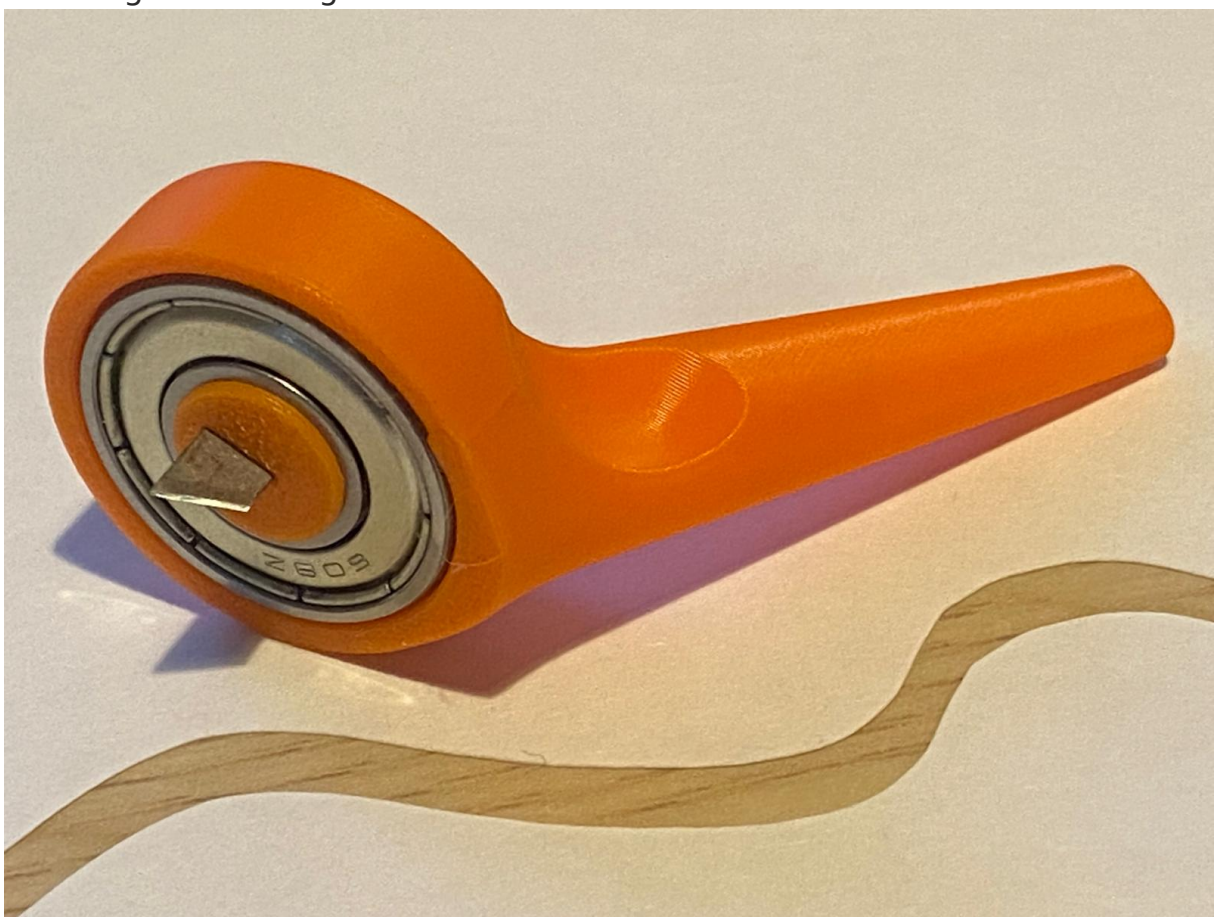
3. **Attach the blade:** Using pliers, carefully insert **one segment** of the 9mm Stanley snap-off blade into the 3D printed core that holds the knife.



Ensure the tip of the blade is facing outwards and it is secured tightly in place with a pressure fit. If the blade does not slide in easily, use the blade to pierce the slot slightly. Be careful, as blades are sharp! Always use pliers to insert the blade.



4. **Assemble the tool:** Connect the blade holder to the main body, ensuring the bearing allows for smooth rotation.



Usage:
- Hold the tool like a pen and apply gentle pressure to the material you wish to cut.
- The rotating blade will follow the movement of your hand, allowing for precise and intricate cuts.

This 3D printed rotating cutter is perfect for anyone looking to add a versatile and efficient cutting tool to their crafting toolkit. Enjoy the ease and precision of cutting with your custom-made tool!

Model files

gyrocuterv1.stl

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