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I used different cardboard this time (just whatever cardboard they had at the MILL). Using the MILL caliper I seem to be getting a measurement of anything between 3.8mm and 4.2 mm so I decided to try printer in different sizes to see what fits best.

I started by cutting some example cardboard lengths 10mm, 15mm, and 20mm, widths 3.8mm, 4mm, 4.2mm. Conclusion: I should not have cut each slit so close together. It all seems kind of loose, so I’m going to cut my ninjas stars with 3.6x20mm slits

I decided to start with simple, small bladed 4 slit ninja star. I made the ninja star 40mm in radius so that two full slits could fit side by side in the inside of the star. I started by printing 3

Used the 100, 50, 50 settings, maybe need to change because it didn’t completely cut through the cardboard in some spots

These ones fit together very nicely, but if the blades were to be bigger, the slits will need to be shorter. I don’t want to made the pieces any bigger because that would be too big.

This time I set the laser cutter to 100, 65, 50. That seemed to work much better in regard to cutting all the way through the cardboard.

4 sided star

Rect width: 3.6

Rect height: 20

Circle rad: 40

Blade:

7 sided star

Rect width: 3.6

Rect height: 10

Circle rad: 20

Blade: 14

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