



Ferris Wheel Plant Stand



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[VIEW IN BROWSER](#)

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Summary

Ferris wheel plant stand perfect for small succulents or cacti! Displays up to six plants that can be easily rearranged.



21.82 hrs



3 pcs



0.20 mm



0.40 mm



PLA



268 g



Prusa
MK3/S/S+

[Household](#) > [Home Decor](#)

Tags: [cactus](#) [flower](#) [plant](#) [pot](#) [succulent](#)

Ferris wheel plant stand perfect for small succulents or cacti. Displays up to six plants that can be easily rearranged. **No supports or hardware needed!** Perfect addition to the your plant collection or as a gift for someone else.

Required Parts/Tools for Assembly:

• 3D Printed Parts

- 2x - Wheel
- 2x - Leg
- 6x - Pot
- 1x - Axle

- 2x - Axle Cap
- 3x - Spacer
- **Tools (All Optional)**
 - Hammer
 - Super Glue

Assembly Instructions:

All of the parts that need to be rigidly mated should press-fit together nicely, but feel free to use super glue to ensure that they stay together. I recommend using a hammer to tap the press-fit parts together.

- **STEP 1:** Print parts and gather tools if using.



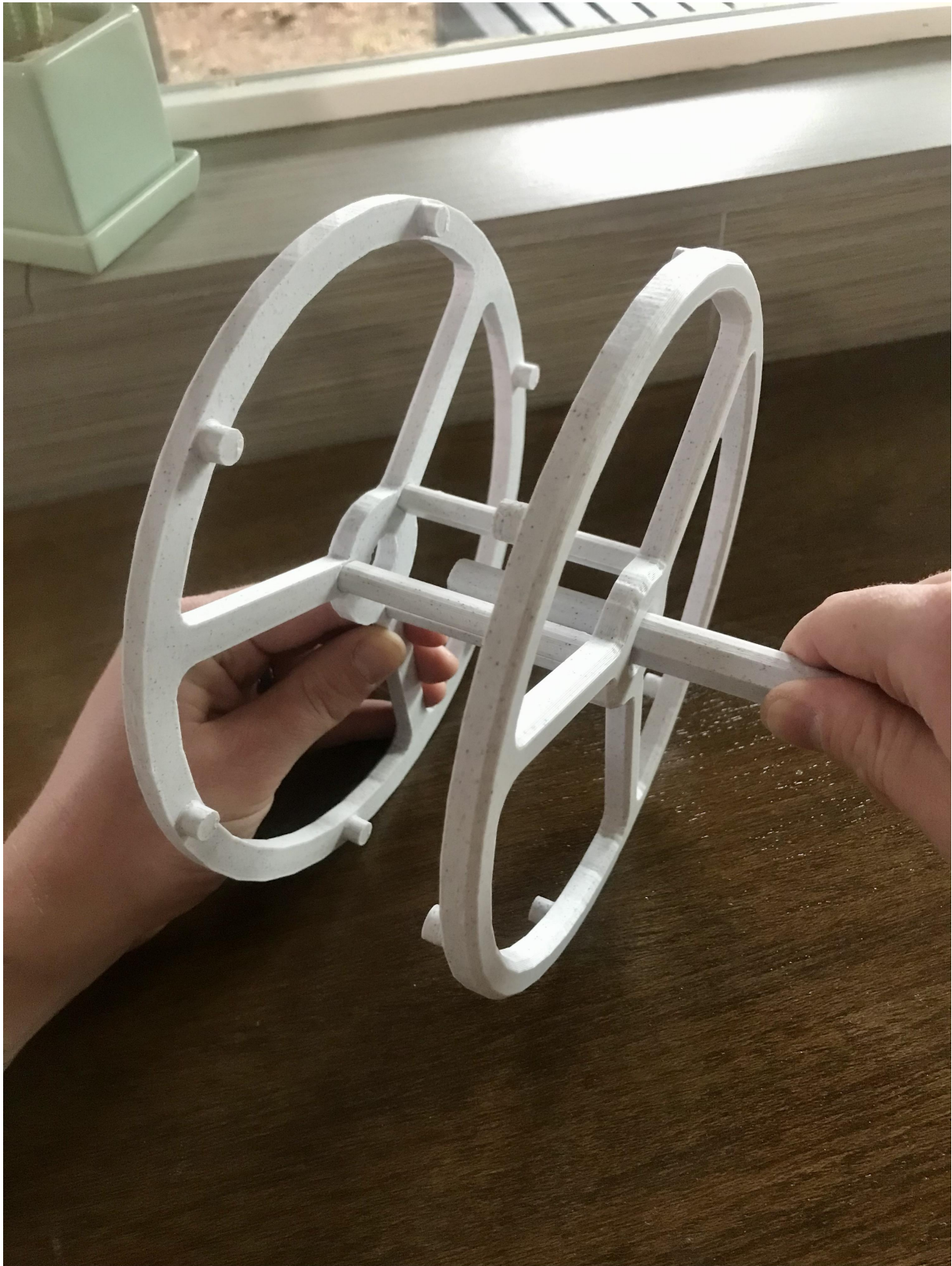
- **STEP 2:** Lay one of the wheels flat on a surface with the pegs up and fit all three spacers into the holes near the center of the wheel. If using super glue, add a dab of it to the end of the spacers before inserting. Make sure they are seated well.



- **STEP 3:** Place the other wheel on top and align holes with the spacers as in the first wheel. Again, use super glue if desired and make sure they are seated well.



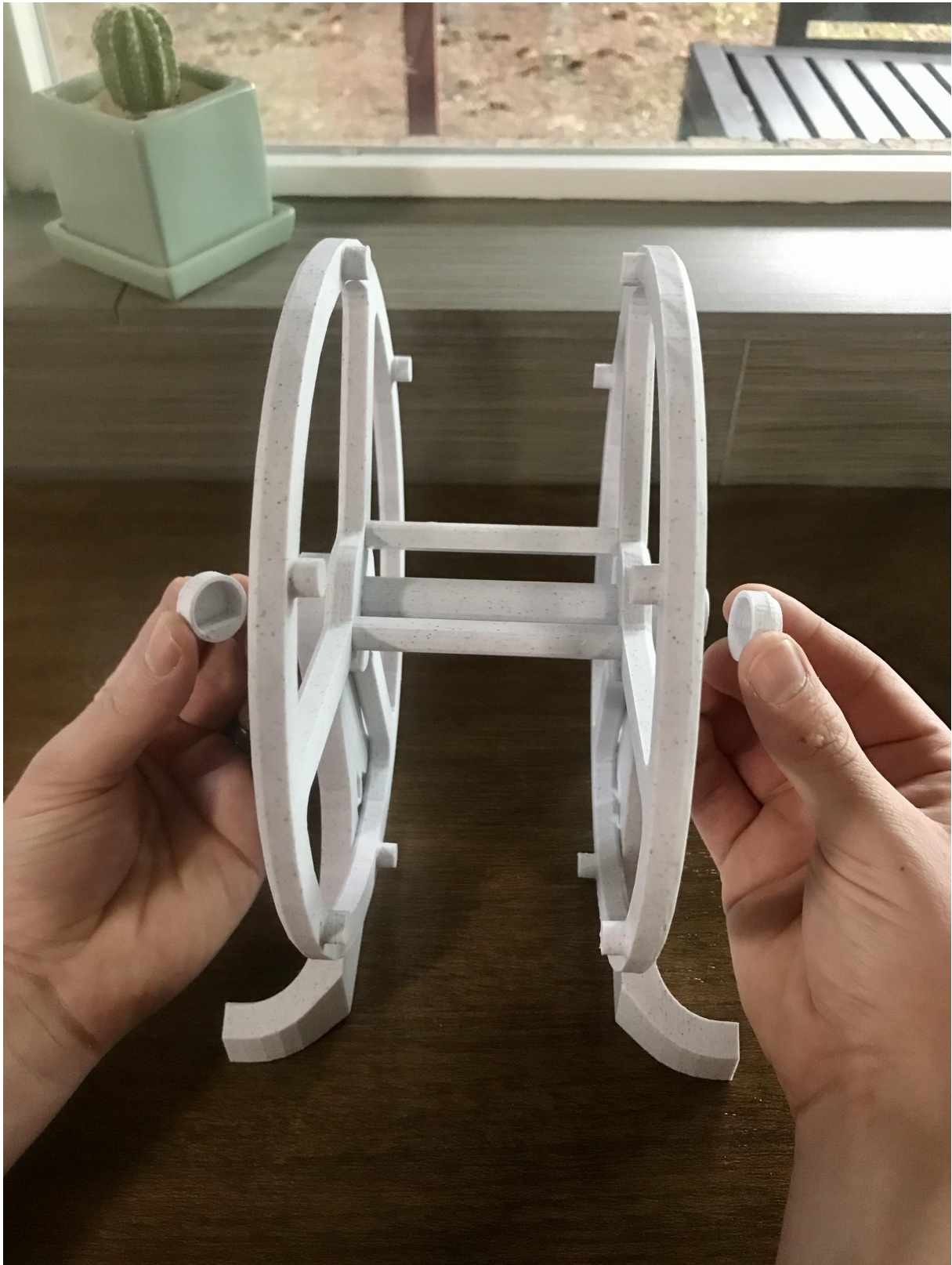
- **STEP 4:** Slide the axle through the two wheels and leave equal parts hanging out on either side. It should be a relatively snug fit to ensure the wheel doesn't spin undesirably, but it should still spin freely when pushed.



- **STEP 5:** Place both legs on the axle so that the curved parts of the legs face outward. This should be a snug fit.



- **STEP 6:** Press the axle caps on to the ends of the axles. If using super glue, you can place some on the inside of the caps before inserting. ***CAUTION*** If using super glue, make sure to place caps on at the same time and move on to step 7 quickly.



- **STEP 7:** Place the Ferris wheel assembly on its side on one of the axle caps at the edge of a table or workbench and either use a hammer or press firmly on the axle cap that is facing up. This is a very important step as it aligns everything and makes sure it is all centered. For this reason I would definitely recommend using a hammer.



- **STEP 8:** Prepare your plants! <3



- **STEP 9:** One-by-one, place the plant pots onto the wheel by lining up one side of the pot with a peg and then expanding the two wheels gently to slide the other side on the opposite peg. Rotate the wheel as you go along until you've placed all your plants on.



- **STEP 10:** Enjoy looking at your cute plants!

I'm contemplating adding a small housing for a motor and an Arduino so the wheel can spin on its own. If enough people are into that I can definitely make it happen.

As with any of my models, feel free to message me with any questions and I'd love to see if you make this or alter it in any way :)

Model files



STL Files

6 files



ferris-wheel-wheel.stl



ferris-wheel-leg.stl



ferris-wheel-pot.stl



ferris-wheel-axle.stl



ferris-wheel-axle-cap.stl



ferris-wheel-spacer.stl



STEP Files

6 files



ferris-wheel-wheel.step



ferris-wheel-leg.step



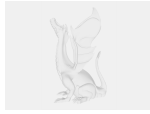
ferris-wheel-pot.step



ferris-wheel-axle.step



ferris-wheel-axle-cap.step



ferris-wheel-spacer.step



SolidWorks Files

6 files



ferris-wheel-wheel.sldprt



ferris-wheel-leg.sldprt



ferris-wheel-pot.sldprt



ferris-wheel-axle.sldprt



ferris-wheel-axle-cap.sldprt



ferris-wheel-spacer.sldprt

Print files



ferris-wheel-wheel-x1.gcode

🌀 PLA 🌀 0.40 mm 🌀 0.20 mm 🕒 3.18 hrs 📊 38 g 🖨️ Prusa MK3/S/S+



ferris-wheel-leg-structural-parts.gcode

🌀 PLA 🌀 0.40 mm 🌀 0.20 mm 🕒 8.83 hrs 📊 95 g 🖨 Prusa MK3/S/S+



ferris-wheel-pot-x6.gcode

🌀 PLA 🌀 0.40 mm 🌀 0.20 mm 🕒 9.81 hrs 📊 136 g 🖨 Prusa MK3/S/S+

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