



## Plant Pot Stand & Jar



Shuto

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### Summary

Stand and drainage jar to replace a flowerpot dish.



40.17 hrs



7 pcs



0.30 mm  
0.20 mm



0.40 mm



PLA  
Flex



932 g



Prusa  
MK3/S/S+

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Tags: [stand](#) [plant](#) [planter](#) [plantpot](#) [gardening](#)

Have you ever thought about the hassle of dealing with the drainage of water that accumulates in the flower pot dishes of indoor houseplants?

With this flowerpot stand and drainage jar, you don't have to lift heavy plants and remove the dish every time for drainage. When water accumulates in the jar, simply dump it out.

There is a hole in the center of the stand, so if you place the flowerpot on top without the dish, water will collect in the jar below it every time you raise the water. The stand is simple in design and very sturdy, so it can be used as just a flowerpot stand for those who don't find drainage a hassle.

Leg length is 150mm. I have also made a shorter version for prototyping, but I will release this one upon request.

## **Compatibility**

Up to 22 cm in diameter at the bottom of the flowerpot.

If it is as small as about 13 cm, there is no need to print top\_cover.

## **Printing Configuration**

Material: PLA (but "tube" is TPU)

Layer height: 0.3mm

Infill: 15~20%

## **Parts to print and number of parts**

leg, top\_cover, jar\_guide ..... x3 of each

top ..... x1

jar ..... x1 (transparent color is recommended to see the water level. If you want to match the atmosphere, you can use the same color as the other parts. or... bicolor is also good!)

tube ..... x1 as needed (required FLEX material)

## **Assembling**

Very easy.

Insert 3 legs into the top, place 3 top\_covers on the top. top\_covers are loose, but no problem.

Please refer to the images for the names of the parts.

## **IMPORTANT**

Depending on the angle of the bottom of the flowerpot and the placement of the holes, water may not flow into the center hole and may overflow. Be sure to check the drainage holes in the bottom of the flowerpot, and when using the pot for the first time, try watering in an area where it is safe for water to overflow around it.


In my AND PLANTS Ecopots, the holes are centrally located, but the bottom of the flowerpot has a downward slope from the center hole to the perimeter, so that water from the holes in the flowerpot flows to the perimeter and not to the center hole in the stand, causing water to overflow in the perimeter direction. I therefore made a tube for drainage and attached it to the bottom of the flowerpot. I have attached the .f3d file, so if you need it, you can make the tube to fit the size of the hole in the bottom of your flowerpot and print it out in FLEX material.







The height of the tube should be as long as possible, because if it is too

short it will flow in a circumferential direction. However, if it is too long, it will interfere with inserting and removing the jar, so find just the right length.

For my AND PLANTS, 4 cm would have been just fine, but 3 cm would have spilled drainage.

## Model files

 **stl** 6 files

	<b>top.stl</b>
	<b>jar_2mm_150mm.stl</b>
	<b>leg_150mm.stl</b>
	<b>top_cover_v2.stl</b>
	<b>jar_guide_30deg.stl</b>
	<b>pot_hole_tube.stl</b>



m3f

6 files



top.3mf



jar\_2mm\_150mm.3mf



leg\_150mm.3mf



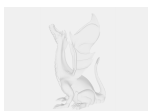
jar\_guide\_30deg.3mf



top\_cover\_v2.3mf



pot\_hole\_tube.3mf



plant\_pot\_hole\_tube.f3d

## Print files



top\_03mm\_pla\_mk3s\_8h46m.gcode

PLA 0.40 mm 0.30 mm 8.77 hrs 194 g Prusa MK3/S/S+



### leg\_150mm\_03mm\_x3\_pla\_mk3s\_11h25m.gcode

🌀 PLA 📏 0.40 mm ⚖️ 0.30 mm ⌚ 11.41 hrs 📊 254 g 📄 Prusa MK3/S/S+



### jar\_2mm\_150mm\_03mm\_pla\_mk3s\_7h22m.gcode

🌀 PLA 📏 0.40 mm ⚖️ 0.30 mm ⌚ 7.37 hrs 📊 189 g 📄 Prusa MK3/S/S+



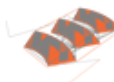
### top\_cover\_v2\_03mm\_pla\_mk3s\_2h54m.gcode

🌀 PLA 📏 0.40 mm ⚖️ 0.30 mm ⌚ 2.89 hrs 📊 72 g 📄 Prusa MK3/S/S+



### top\_cover\_v2\_x2\_03mm\_pla\_mk3s\_5h47m.gcode

🌀 PLA 📏 0.40 mm ⚖️ 0.30 mm ⌚ 5.78 hrs 📊 144 g 📄 Prusa MK3/S/S+



### jar\_guide\_30deg\_x3\_03mm\_pla\_mk3s\_3h21m.gcode

🌀 PLA 📏 0.40 mm ⚖️ 0.30 mm ⌚ 3.35 hrs 📊 75 g 📄 Prusa MK3/S/S+



### pot\_hole\_tube\_02mm\_flex\_mk3s\_36m.gcode

🌀 Flex 📏 0.40 mm ⚖️ 0.20 mm ⌚ 0.60 hrs 📊 4 g 📄 Prusa MK3/S/S+

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