

Modular Hydroponic Tower

Assembly Series: Part 3 — The Fountainer

Welcome to the assembly guide for the Fountainer Module of the Turing Hydro Sectional Modular Hydroponic Tower. This water distribution unit consists of interlocking sections designed to distribute water evenly and integrate with the irrigation system, connecting securely to the planter modules below it.

Required Components

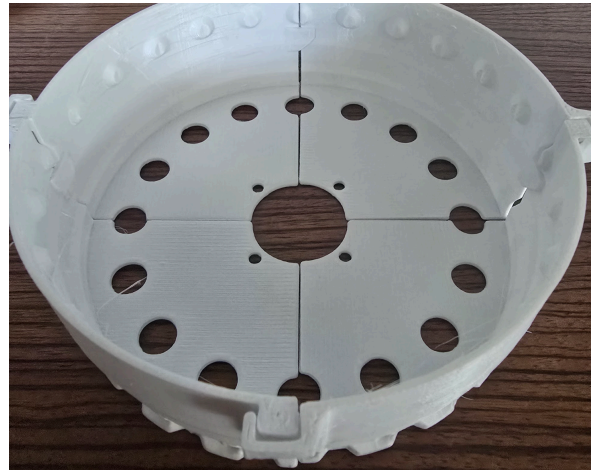
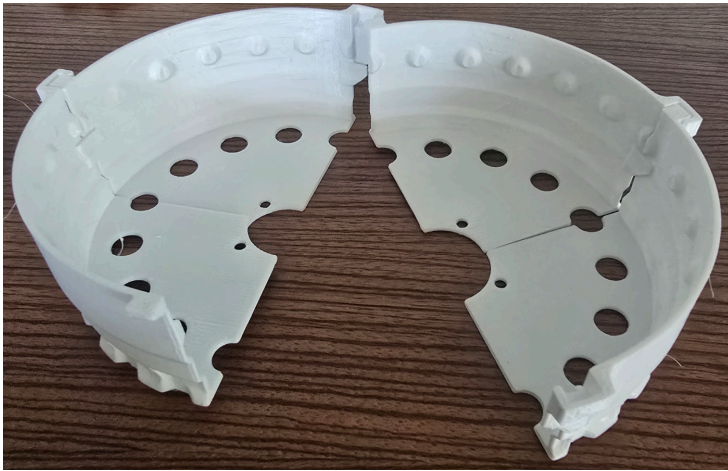
Before beginning, ensure you have the following parts for the fountainer module (3d print them with PETG if using the digital product):

Component	Amount	Description
Fountainer Sections (fountainer.stl)	4	Sections that lock together to form the circular fountainer module.
Fountainer lid Sections (fountainer lid.stl)	4	Sections that lock together to form the circular fountainer lid module
Water guide (water guide fountainer.stl)	16	Part that guides the water straight down.
Module holder (module holder.stl)	1	Part that mechanically locks the fountainer sections in place.
Module nut (module nut.stl)	1	Complementary part to mechanically lock the fountainer sections in place.
Fountain (fountain.slt)	1	Part that serves as an even water distribution end point, use this if using the 3d printed tube for water delivery.
Fountain tube (fountain tube.stl)	1	Same as above but intended to be used when using the vinyl tube directly from the pump to this part (no 3d printed tube).
Fountainer lid cover (fountainer lid cover.stl)	1	Part that holds the fountainer lid sections together.
Nut (nut.stl)		Complementary part to lock the founterner lid sections.

A collection of white 3D printed parts for a prosthetic foot, laid out on a wooden surface. The parts include a large, semi-circular shell with a central circular opening and several small holes; a smaller, similar shell; a heel wedge; a foot plate; and various small connectors, pins, and a circular base plate. The parts are arranged in a way that suggests they are components of a larger assembly.

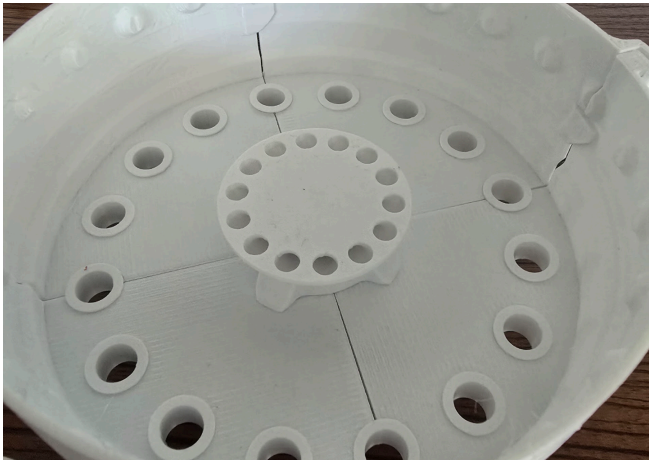
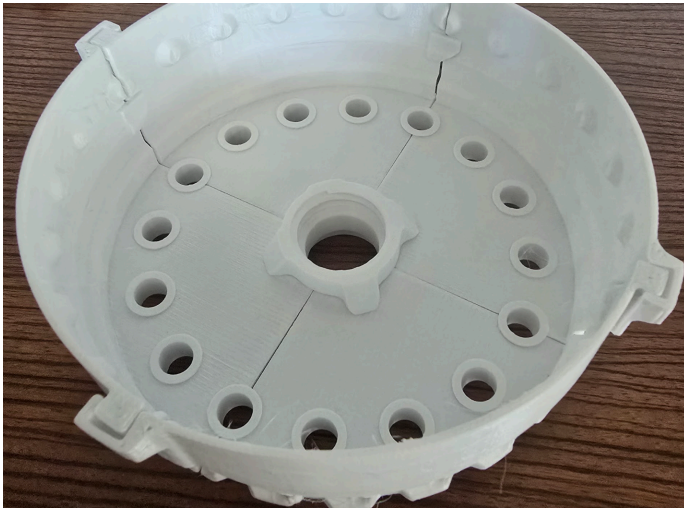
1. Assemble the fountainer sections

Assemble the fountainer sections to form a circular module, start with 2 sections at a time, then form the circle with the 4 sections, then lock the 4 sections with the module holder and module nut.



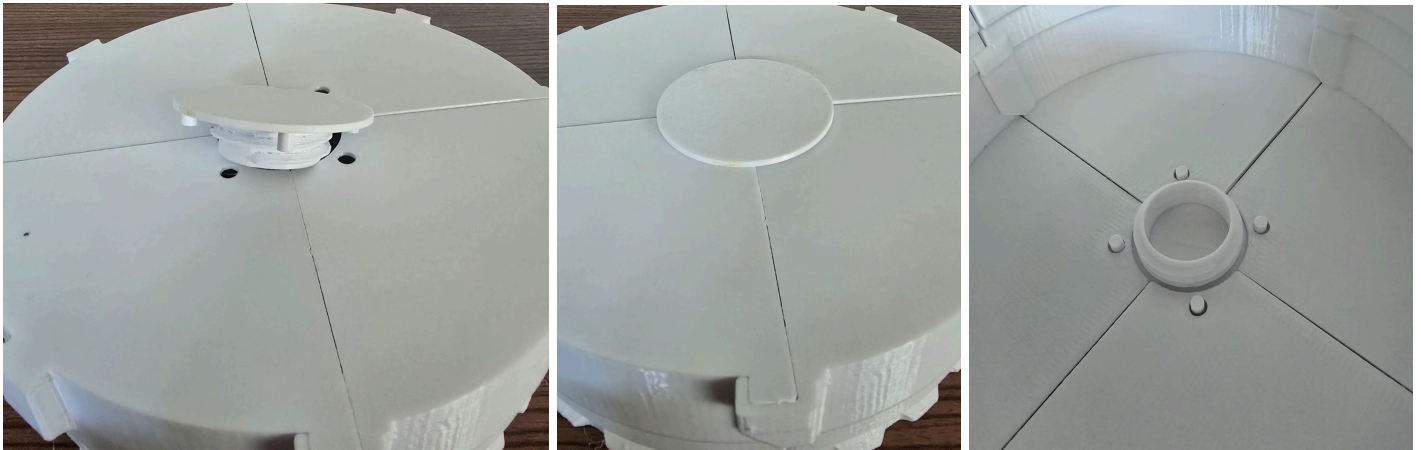
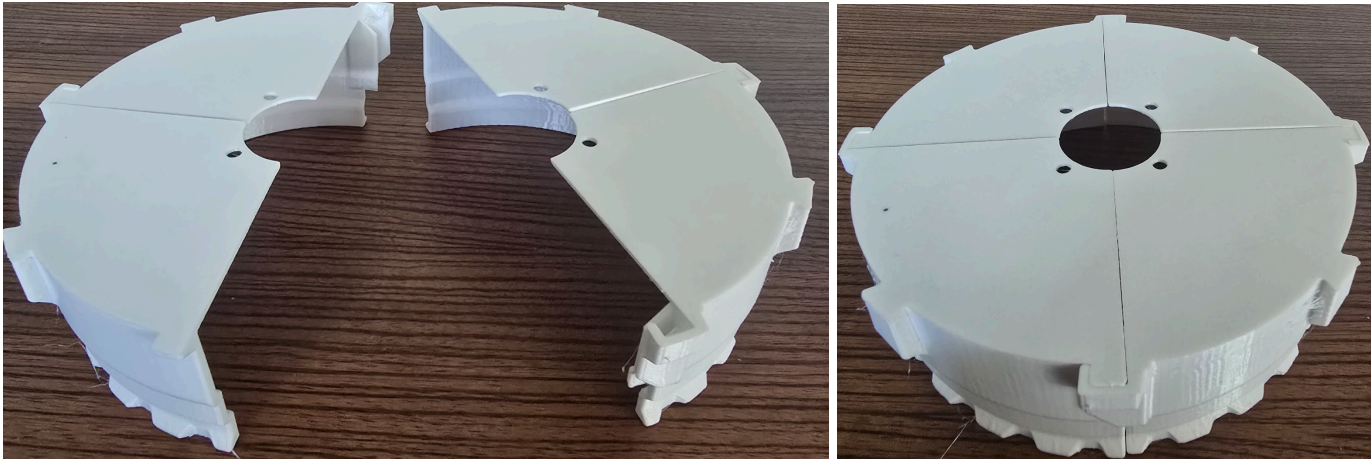
2. Insert the water guides and fountain

Insert the water guides into the 16 holes of the assembled fountainer module and then twist the fountain (or fountainer tube if using the vinyl tube for water delivery) in place.



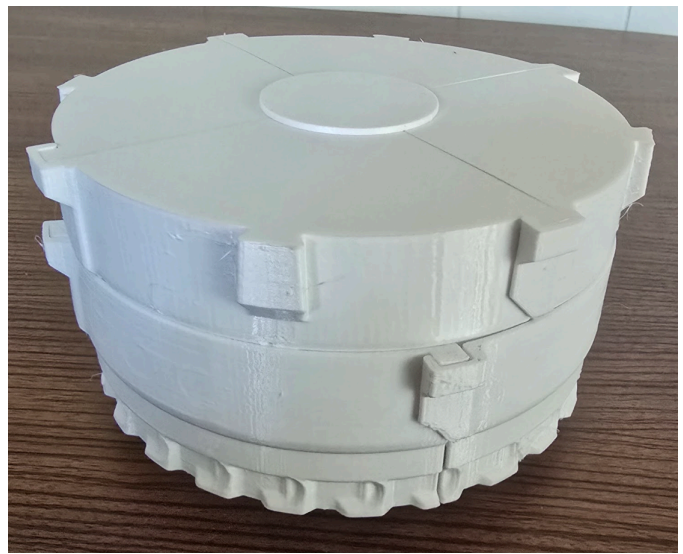
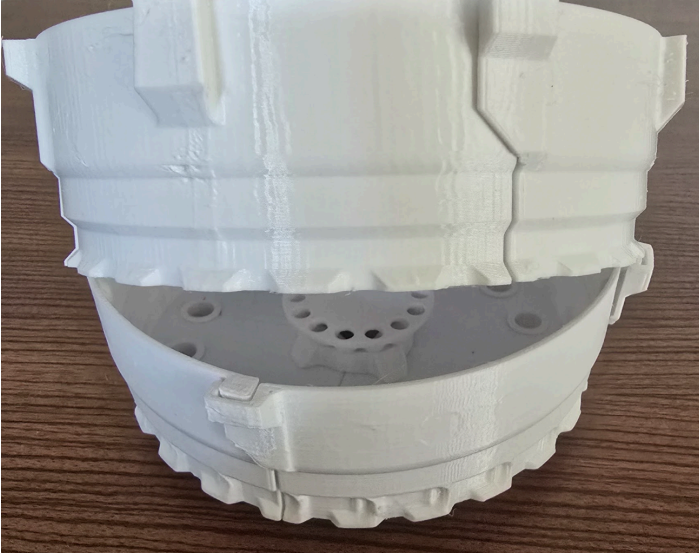
3. Assemble the fountainer lid

Assemble the fountainer lid sections to form a circular module, start with 2 sections at a time, then form the circle with the 4 sections, then lock the 4 sections with the fountainer lid cover and nut.



4. Assemble the Fountainer and its lid together

Assemble the fountainer and the fountainer lid together



Finished Module assembly

