

FORMBOT Troodon PrusaSlicer Profile

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Background

Using instructions from here:

<https://github.com/prusa3d/PrusaSlicer/wiki/Vendor-bundles-and-updating-process>

I created a new PrusaSlicer profile for the Troodon printer. I am a user and not employed by FORMBOT. I copied Troodon settings from the FORMBOT provide Cura profile to this PrusaSlicer profile.

The company, FORMBOT 3D Printer Ltd. (FormBot3D.com), manufactures the Vivedino Troodon printers. FORMBOT currently (02/11/2021) sells two models of Troodon printers: size 300x300x400 and size 400x400x500. Each printer ships with an Obiter direct drive extruder. They used to sell the Troodon with a Bowden tube instead of direct drive. Some of the customers that purchased the Bowden version of the Troodon upgraded to Direct Drive Obiter.

This profile supports four printers:

Troodon 300x300x400 Bowden
Troodon 300x300x400 Direct Drive
Troodon 400x400x500 Bowden
Troodon 400x400x500 Direct Drive

Installation instructions

1. Install PrusaSlicer 2.3.3 or later. You can download it from:
<https://www.prusa3d.com/prusaslicer/>
2. Run PrusaSlicer.
Close PrusaSlicer.
3. Copy the file:
`FORMBOT.ini`
to this folder:
`C:\Users\<USERNAME>\AppData\Roaming\PrusaSlicer\vendor`
4. Run PrusaSlicer.
Run the Configuration wizard and select "Other Vendors", "FORMBOT", and your specific Troodon printer. Click Finish.
Click "Expert" in the upper right-hand corner so that you can see all the settings.
5. If you want to see a picture of the Troodon printer in the Configuration Wizard,
Create the folder FORMBOT at this location:
`C:\Program Files\Prusa3D\PrusaSlicer\resources\profiles\`
Into that folder copy these four png files:
`TROODON300Bowden_thumbnail.png`
`TROODON300DirectDrive_thumbnail.png`
`TROODON400Bowden_thumbnail.png`
`TROODON400DirectDrive_thumbnail.png`

Access to the Prusa System Presets

An important benefit from this printer profile in PrusaSlicer is that you have access to all the Systems Presets from "Print Settings" and "Filament Settings" for use with the Troodon. However, you must do a bit of clicking to get that access.

Instructions:

1. Tell PrusaSlicer that you have an "original Prusa i3 MK3S+" printer by using the "Configuration Wizard..."
2. In the "Printer Settings" tab, select the "MK3S+" printer.
3. Under the "Printer Settings" tab and/or the "Filament Settings" tab, select the System Preset that you want for use with your Troodon.
4. Delete the contents of "Compatible printers condition:", under "Dependencies" click on the button "Detach from system preset", click Yes, click OK.

Now, when you select your Troodon printer under Printer Settings tab, you will have access to that System Preset.

Bugs

1. The Configuration Wizard on the FORMBOT page shows the Troodon printers as having 0.1mm nozzles. However, the profile specifies that the nozzle diameter is 0.4mm. The FORMBOT.ini file contains the line "variants = 0.1" for each of the four Troodon printers. When this value is changed to 0.4, the Configuration Wizard shows 0.4mm nozzles, however when you click "Finish", the FORMBOT profiles fail. You cannot select a Troodon printer. If you retain "variants = 0.1" in the FORMBOT.ini file, PrusaSlicer works fine other than displaying the wrong nozzle size in the configuration wizard.