

BTT Smart Filament Sensor Mounting Bracket



Drew Singer

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Summary

Mount for a BigTreeTech Smart Filament Sensor for a vertically fed direct drive. I also included a bracket I created...

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Mount for a BigTreeTech Smart Filament Sensor for a vertically fed direct drive. I also included a bracket I created to allow me to mount the stock spool holder perpendicular.

There are two versions of the sensor mount. one has an extra piece intended to rest on my LED light Bar (by GulfCoast Robotics <https://gulfcoast-robotics.com/products/24v-premium-led-light-bar-upgrade-creality-ender-3-3d-printer>).

Print the mount with the faceplate portion for the sensor down (in a vertical orientation) and supports shouldn't be needed. Supports may be required for the LED Supported version. Mounting will require 2 m4 screws and t-slot nuts.

The Spool Holder bracket will require 3 M5*10 and a nut to hold in the back screw. The original t-slot nuts should work to mount it to the printer frame.

Print Settings

Printer Brand:

Creality

Printer:

Ender 3 Pro

Rafts:

No

Supports:

No

Resolution:

.2

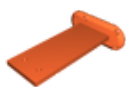
Infill:

25%

Filament: Overture PLA Black

Category: 3D Printer Accessories

Model files



filament_sensor_mount.stl



spool_mount_bracket.stl



filament_sensor_mount_w_led_support_riser.stl

[Find source .stl files on Thingiverse.com](#)

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