

Browns Brain Product 23

3D printers are numerous nowadays. They are all lacking one thing. That is the ability to track and remember how much filament is left on which spool. Browns Brain has developed a new small electronic device (60mm wide) with the smarts to track and remember the amount of filament left on up to 10 spools. The spool starting length is easily inputted using only one button. *You don't know how much is left on the spool to start with? No problem mon!* The BB023 comes with an Excel spreadsheet that makes this as simple as measuring the diameter and width of the spool. Then you have the value to input into the BB023 Filament Tracker.

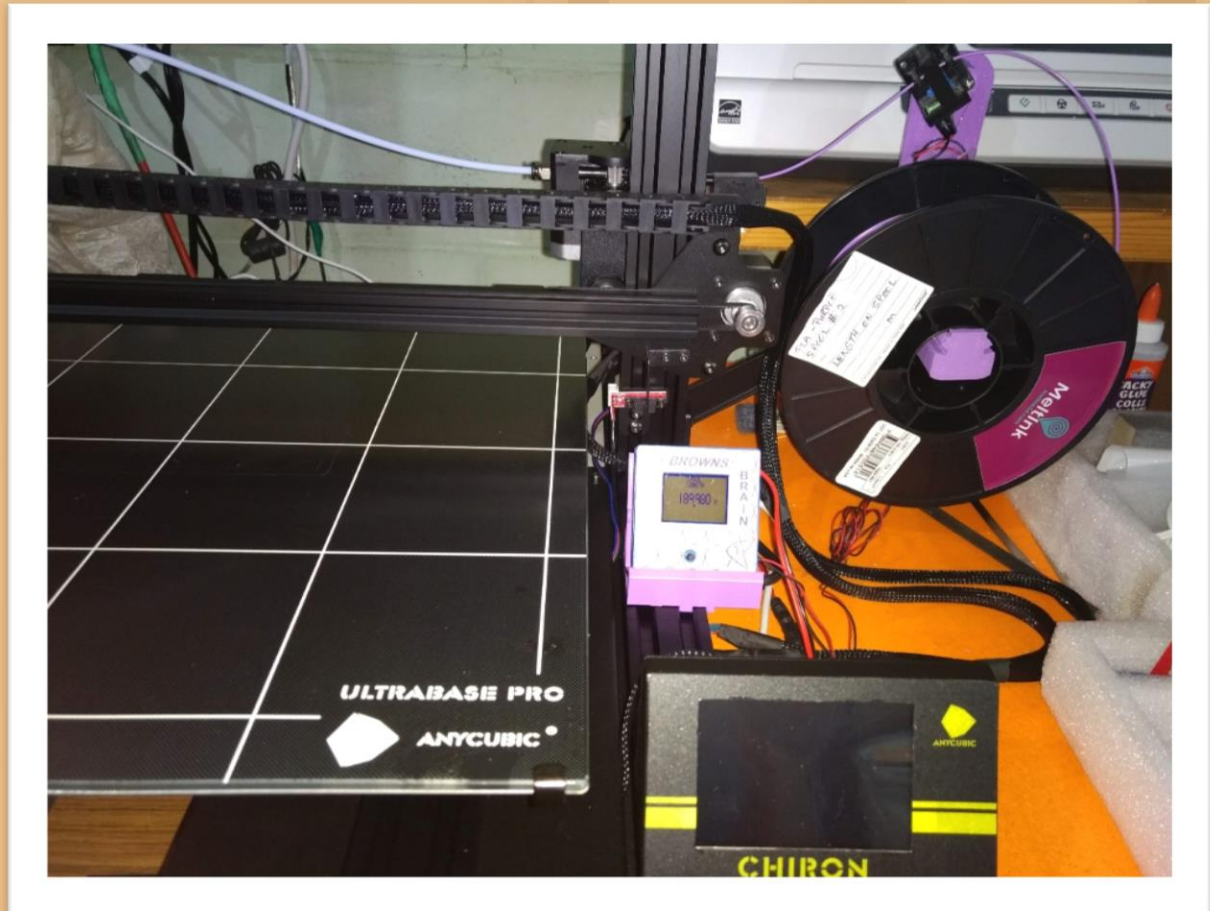
Introducing the BB023 Filament Tracker

The BB023 Filament Tracker is new and simple to use. Pictured here, you can see it has a blue LCD screen that displays the length left on the spool being used. It automatically decrements the displayed spool length every time 10 mm of filament has passed through the sensor.



The sensor is included with the BB023 Filament Tracker. The filament is fed through the middle as shown in the picture. As the extruder pulls the filament forward, the rubber wheels will turn and the switch will activate. This sends a signal to the main unit and the used filament is tracked.

The BB023 Filament Tracker can be used with any 3D printer that uses 1.75 mm filament. (3 mm to come if desired, not recommended for use with flexible filament) Shown here is the BB023 attached to a new AnyCubic Chiron printer. All parts in purple are available as STL download if desired. It was found



that for this type of printer, it is best to place the sensor above the spool as shown. The sensor pivots on its mount so that the retractions are not interfered with. This setup works best. For other printers, you can mount the sensor anywhere before the stepper motor that pulls the filament. It is important to mount the sensor in a way that allows it to pivot during retractions.

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