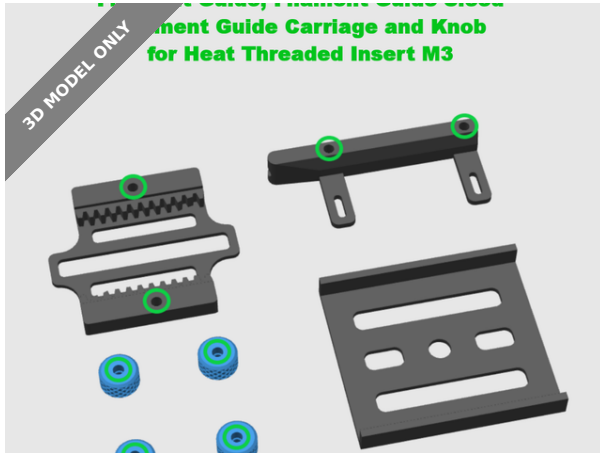




Bambu Lab Filament Spool Winder - Filament Guide, Filament Guide Sled, Filament Guide Carriage and Knob M3 Heat Threaded Insert



[VIEW IN BROWSER](#)

updated 1. 7. 2024 | published 1. 7. 2024

Summary

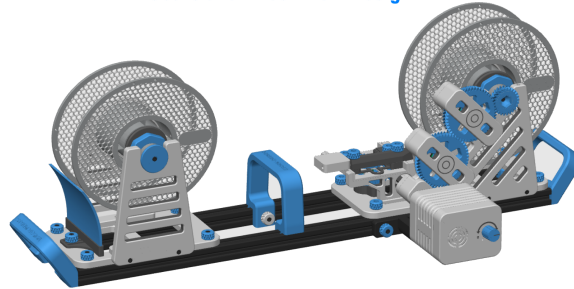
Filament Guide, Filament Guide Sled, Filament Guide Carriage and Knob
M3 Heat Threaded Insert

[3D Printers](#) > [Bambu Lab Parts & Upgrades](#)



AVAILABLE NOW

Winder Spool Frame 2 - Modular Design
Donor Spool Frame 2 - Modular Design
Winder Spool Holder with Bearings - Modular Design
Donor Spool Holder with Bearings - Modular Design
Motor Drive 2 - Modular Design for Stand
Gears and Axes - New Design



Filament Spool Switcher & Winder 2 - Modular Design
Motor Drive 2 - Modular Design for Stand
Auto Stop Function
Filament Spool Switcher & Winder 2 - Modular Design
Motor Drive 2 - Modular Design for Stand
Powered by Magnetic Power Bank
Auto Stop Function

BEFORE STARTING THE IMPLEMENTATION OF THE PROJECT, READ CAREFULLY THE ENTIRE DESCRIPTION AND VIEW THE PHOTO GALLERY !!!

This is a Remix “**Filament Guide Sled and Filament Guide**” for an amazing project “**Filament Spool Switcher & Winder**” Design by [@MiklosKiszely_486882](#)

TO FULLY COMPLETE THE PROJECT, DOWNLOAD THE REMAINING ITEMS FROM THE LINK BELOW

<https://www.printables.com/pl/@Damian27/collections/1304611>

Hello Everyone

I decided to improve a few things in this fantastic project that are a constant problem for many people. I am sharing one of them here. Below are links to further improvements that I also recommend to get rid of all problems.

When you complete the project, please share a photo and a comment. Thank you and have a nice day.

Update 26.05.2023 :

- I decided to add Filament Guide Carriage to make the project complete and there was no need to download it from the original project. Apart from subtle changes in the appearance and enlargement of the hole from 8.4mm to 8.5mm for my axles from another project, its use does not change. I have also added a .3mf file containing all the design elements

UPDATE 02.03.2024 :

- This design is compatible with Winder Spool Frame 2 - Modular Design

UPDATE 12.03.2024 :

- I have added a new version of the Knob M3 which now uses a Heat Threaded Insert instead of a nut

UPDATE 10.05.2024 :

- I designed a completely new **Filament Guide Sled.stl** - The base has been strengthened and is now stiffer. I also rounded each outer corner. Incorrectly set printing parameters in the slicer resulted in the formation of a seam at the corners, which resulted in poor fit to the Filament Guide Carriage.stl. I also made cosmetic changes to the Filament Guide.stl file.

In short, what have I changed compared to the original design?

1. I corrected the defect of the Filament Guide Sled consisting in reducing two teeth (First left upper and last right lower) which were too large and caused crackling and jumps on the linear gear of the filament carriage. Alone Miklos published a video with instructions on how to fix this defect. It consisted in grinding these teeth with a file. However, I decided to improve it so that grinding was not necessary.
2. I modified the Filament Guide Sled by adding space for threaded heating inserts with a maximum height of 6mm.
3. I designed the Filament Guide from scratch, adding as above space for threaded heating inserts with a maximum height of 4mm.
4. In the Knurled M3-M8 Thumbscrews project, I changed the hole diameter and hole depth.

What Should I Print? :

1. Filament Guide - 1pc
2. Filament Guide Sled - 1pc

3. Filament Guide Carriage - 1pc
4. Knob M3 - Heat Threaded Insert - 4pcs

What Should I Buy? :

1. Screws M3 12mm - Cylindrical Head - 4pcs - https://a.aliexpress.com/_EQBSTPJ
2. Heat Threaded Insert M3 3-4mm OD 4.5mm -8pcs - https://a.aliexpress.com/_EwSyU8l

IMPORTANT - READ :

Note that each printer is calibrated differently, has individual user settings, and each uses different types and manufacturers of filaments. I conducted tests Filament Guide Sled on PLA, PLA Plus, ASA and ABS. In each case, the described defect did not occur to me. If, despite this, it still happens to you, file the two teeth gently. You can also write me a private message (Not in the comments section). I will make a fix especially for you.

How to print ? :

- Material : Each Rigid Filament
- Layer Height : 0.2mm
- Speed : All Max 80mm/s - In this case, the precision of printing matters
- Infill : 100%
- Wall Loops : 4
- Bottom Layers : 4
- Top Layers : 4
- Support : No
- Brim : No

I receive a lot of messages asking what to print for a complete project. It is complicated for many people. I had a problem with that myself. So I decided to prepare a short instruction. If you take advantage of all my improvements :

All Projects :

<https://www.printables.com/pl/@Damian27/collections/1304611>

1. Bambu Lab - Winder Spool Frame 2 - Modular Design
<https://www.printables.com/pl/model/769319-bambu-lab-winder-spool-frame-2-modular-design>
2. Bambu Lab - Donor Spool Frame 2 - Modular Design
<https://www.printables.com/pl/model/766774-bambu-lab-donor-spool-frame-2-modular-design-for-s>

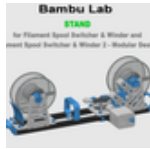
3. Bambu Lab - Upgraded All Gears and Axes
<https://www.printables.com/pl/model/478967-bambu-lab-filament-spool-winder-upgraded-all-gears>
4. Bambu Lab - Upgraded Filament Guide, Filament Guide Sled, Filament Guide Carriage and Knob
<https://www.printables.com/pl/model/478923-bambu-lab-filament-spool-winder-upgraded-filament->
5. Bambu Lab - Winder Spool Holder with Bearings - Modular Design
<https://www.printables.com/pl/model/740644-winder-spool-holder-with-bearings-for-bambu-lab-fi>
6. Bambu Lab - Donor Spool Holder with Bearings - Modular Design
<https://www.printables.com/pl/model/750033-donor-spool-holder-with-bearings-for-bambu-lab-fil>
7. Universal Spool Centering Cone for Bambu Lab Filament Spool Switcher & Winder
<https://www.printables.com/pl/model/752030-universal-spool-centering-cone-for-bambu-lab-filam>
8. Spool Brake for Bambu Lab Filament Spool Switcher & Winder
<https://www.printables.com/pl/model/748642-spool-brake-for-bambu-lab-filament-spool-switcher->
9. Handle for Manual Rewind and Adapter for Electric Screwdriver
<https://www.printables.com/pl/model/805532-handle-for-manual-rewind-and-hexagonal-adapter-for>
10. Stand for Bambu Lab Filament Spool Switcher & Winder
<https://www.printables.com/pl/model/479022-stand-for-bambu-lab-filament-spool-switcher-winder>
11. Motor Drive 2 - Modular Design for Stand - Auto-Stop Function for Bambu Lab Filament Spool Switcher & Winder
<https://www.printables.com/pl/model/485389-motor-drive-for-stand-auto-stop-function-for-bambu>

This remix is based on



Bambu Lab P1 / X1 / X1C / X1CC Filament Spool Switcher & Winder if you use AMS

by Miklos Kiszely



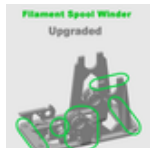
Stand for Bambu Lab Filament Spool Switcher & Winder

by STORM DESIGN



Donor Spool Holder with Bearings - Modular Design for Bambu Lab Filament Spool Switcher & Winder

by STORM DESIGN



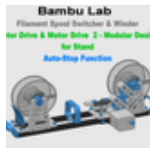
Bambu Lab Filament Spool Winder - Upgraded

by STORM DESIGN



Bambu Lab Filament Spool Winder - Upgraded All Gears and Axes

by STORM DESIGN



Motor Drive 2 - Modular Design for Stand - Auto-Stop Function for Bambu Lab Filament Spool Switcher & Winder

by STORM DESIGN



Winder Spool Holder with Bearings - Modular Design for Bambu Lab Filament Spool Switcher & Winder

by STORM DESIGN



Spool Brake for Bambu Lab Filament Spool Switcher & Donor Spool Frame 2 - Modular Design

by STORM DESIGN



Universal Spool Centering Cone for Bambu Lab Filament Spool Switcher & Winder

by STORM DESIGN

Donor Spool Frame 2 - Modular Design
For Spools from 0.5kg to 3kg



Bambu Lab - Donor Spool Frame 2 - Modular Design - For Spools from 0.5kg to 3kg

by STORM DESIGN

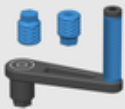
Bambu Lab
Winder Spool Frame 2 - Modular Design
For Spools from 0.5kg to 3kg



Bambu Lab - Winder Spool Frame 2 - Modular Design

by STORM DESIGN

Bambu Lab
Handle for Manual Rewind and Hexagonal Adapter for Electric Screwdriver for Winder Spool Frame 2 - Modular Design and Winder Spool Holder with Bearings



Handle for Manual Rewind and Hexagonal Adapter for Electric Screwdriver for Winder Spool Frame 2 - Modular Design and Winder Spool Holder with Bearings - Modular Design

by STORM DESIGN

Model files

filament-guide-sled-carriage-and-knob-all-project.3mf



filament-guide.stl

☐ Print 1pc



filament-guide-sled.stl

☐ Print 1pc



filament-guide-carriage.stl

☐ Print 1pc



knob-m3-heat-threaded-insert.stl

☐ Print 4pcs

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