



## Filament tea cloth



gsohler

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updated 1. 8. 2023 | published 1. 8. 2023

### Summary

This machine bents Filament such you can "weave" filament like on a loom. Indgredients 2 loom\_gear 2 loom\_rolle 1...

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This machine bents Filament such you can "weave" filament like on a loom.

### Indgredients

- 2 loom\_gear
- 2 loom\_rolle
- 1 loom\_case
- 2 comb
- 24 nails appr 18 mm long
- 8 bearing 14x5x5
- 3 skrews M5x20
- 1 skrew M5x10
- 1 wing skrew M5
- 2 M5 Nut
- 1 Water Bowl
- waterproof gloves

- PET and ABS Filament
- Alu foil
- Flat Iron

## Assembly:

- Print all 5 loom parts in ABS!
- print 2 comb in any plastic
- Glue the M5 skrew into loom\_gear
- Attach all 8 bearings into the rolle and gears
- install 2 rolle into the lower holes
- install the nails into the 24 holes of the gears
- install the one gear with M5x20 skrew
- install the other gear with M5x10 and M5 wing skrew. the skrews must push tight to each other to conduct force.
- Connect the two combs with a filament strip as shown in the picture

## Production:

- Fill the bowl with HOT Water
- Install the PET Filament into the machine. You have to uninstall one gear for that
- Wear the Gloves. Make sure your dont burn yourself. NO WARRANTY!
- Sink the machine inside the Water and rotate the Wing skrew handle and create e.g. 2 Meters of ZIGZAG Filament
- Weave the Filament and assemble the Tee cloth(or whatever you want)

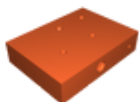
optionally: Wrap it into ALU Foil firmly and iron it. Make sure it does not WARP!

Category: Art Tools

## Model files



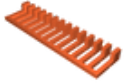
loom\_rolle.stl



loomformer\_case.stl



loom\_gear.stl



comb.stl

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

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