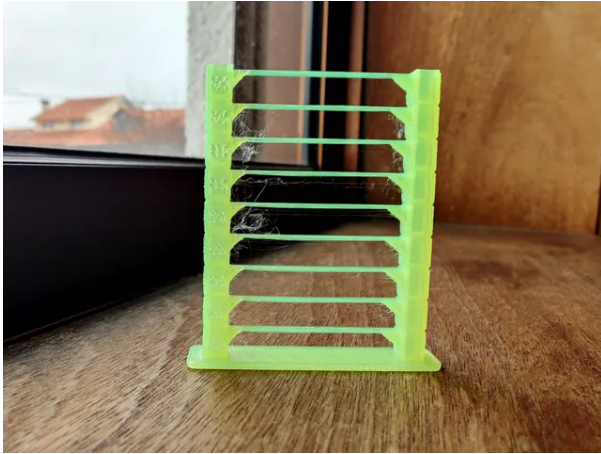




Temp Tower (Fast)



Celta

[VIEW IN BROWSER](#)

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Summary

A Temperature tower that prints in less than an hour. Quick filament temperature calibration.



0.80 hrs



3 pcs



0.20 mm



0.40 mm



PLA
PET
Flex



4 g



Prusa
MK3/S/S+

[3D Printers](#) > [Test Models](#)

Tags: [filament](#) [calibration](#) [temp](#) [temperature](#)
[calibrationtest](#) [temperaturetower](#) [eiffeltower](#)

I wanted a temperature tower that was fast as most of the models would take several hours. Found this [model](#) by [spiga76](#), changed the PLA model a bit to go from 230-190 instead of 240-200 and added labels for filament types.

Printing

For easier configuration, we can apply G-code to "Printer Settings" > "Custom G-code" > "Before layer change G-code" (Using PrusaSlicer).

↳ Prusa Slicer configuration

PLA

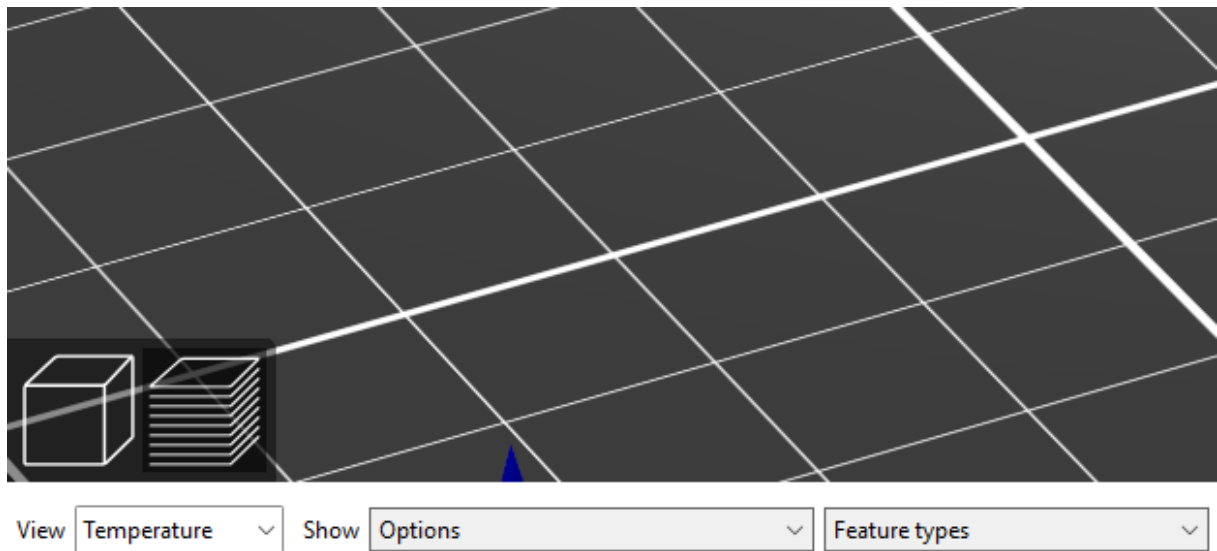
```
;BEFORE_LAYER_CHANGE G92 E0.0 ;[layer_z] {if layer_z>=0.00 &&  
layer_z<7.60} M104 S230 M109 S230 {endif} {if layer_z>=7.60 &&  
layer_z<13.80} M104 S225 M109 S225 {endif} {if layer_z>=13.80 &&  
layer_z<20.00} M104 S220 M109 S220 {endif} {if layer_z>=20.00 &&  
layer_z<26.20} M104 S215 M109 S215 {endif} {if layer_z>=26.20 &&  
layer_z<32.40} M104 S210 M109 S210 {endif} {if layer_z>=32.40 &&  
layer_z<38.60} M104 S205 M109 S205 {endif} {if layer_z>=38.60 &&  
layer_z<44.80} M104 S200 M109 S200 {endif} {if layer_z>=44.80 &&  
layer_z<51.00} M104 S195 M109 S195 {endif} {if layer_z>=51.00} M104  
S190 M109 S190 {endif}
```

PETG/FLEX

```
;BEFORE_LAYER_CHANGE G92 E0.0 ;[layer_z] {if layer_z>=0.00 &&  
layer_z<7.60} M104 S260 M109 S260 {endif} {if layer_z>=7.60 &&  
layer_z<13.80} M104 S255 M109 S255 {endif} {if layer_z>=13.80 &&  
layer_z<20.00} M104 S250 M109 S250 {endif} {if layer_z>=20.00 &&  
layer_z<26.20} M104 S245 M109 S245 {endif} {if layer_z>=26.20 &&  
layer_z<32.40} M104 S240 M109 S240 {endif} {if layer_z>=32.40 &&  
layer_z<38.60} M104 S235 M109 S235 {endif} {if layer_z>=38.60 &&  
layer_z<44.80} M104 S230 M109 S230 {endif} {if layer_z>=44.80 &&  
layer_z<51.00} M104 S225 M109 S225 {endif} {if layer_z>=51.00} M104  
S220 M109 S220 {endif}
```

Temperature preview

Starting version 2.4 (PrusaSlicer), there is a temperature preview of the model, this helps verify the correct configuration of the test model.



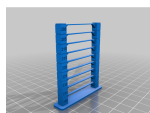
↳ PrusaSlicer preview configuration

↳ PrusaSlicer temperature preview

Credits

Fast PLA and PETG Temp Tower by [spiga76](#)

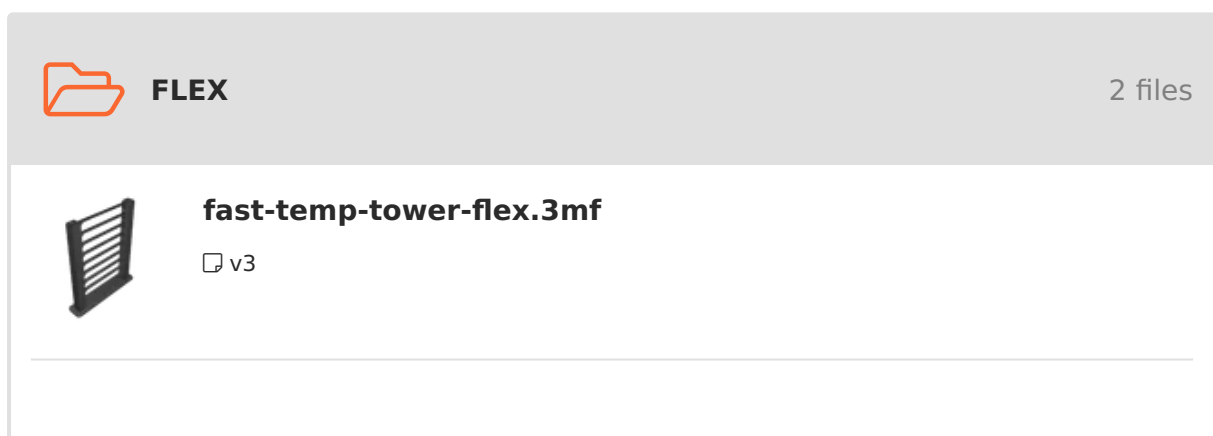
This remix is based on



Fast PLA and PETG Temp Tower

by [Spiga76](#)

Model files





fast-temp-tower-flex.stl

📄 v3



PETG

2 files



fast-temp-tower-petg.3mf

📄 v1



fast-temp-tower-petg.stl

📄 v1



PLA

2 files



fast-temp-tower-pla.3mf

📄 v4



fast-temp-tower-pla.stl

📄 v4

Print files



fast-temp-tower-pla-v4_02mm_pla_mk3s_48m.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 0.80 hrs ⚖️ 4 g 🖨️ Prusa MK3/S/S+



fast-temp-tower-flex-v3_02mm_flex_mk3s_48m.gcode

Flex 0.40 mm 0.20 mm 0.80 hrs 4 g Prusa MK3/S/S+



fast-temp-tower-petg-v1_02mm_petg_mk3s_48m.gcode

PET 0.40 mm 0.20 mm 0.80 hrs 3 g Prusa MK3/S/S+

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