



Batch Hueforge TD-Test - Calibrate all your Hueforge Filaments in one print!



Timetraveler

[VIEW IN BROWSER](#)

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Summary

this python gcode post processing script will save you significant time to calibrate all your filaments TDs in one go.



1.53 hrs



4 pcs



0.08 mm



0.40 mm



PLA



15 g



Prusa MK4

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

Tags: [calibration](#) [step](#) [batch](#) [bd](#) [sequential](#) [td](#)
[hueforge](#) [timesaver](#)

Make Your Hueforge calibration more efficient - Batch TD/BD Calibration Guide

This guide is there to help you to save time and filament by calibrating all your filaments at once. This is a work in progress project, so your feedback is highly appreciated. I will try to be responsive to any question or comment that comes in, so don't hold back please.

I developed this for my Prusa MK4 with Prusa slicer. I believe it should work with other Printers and potentially other slicers, although I have no way of testing that. If the demand is high enough and changes are needed I might try to come up with a specific version for Bamboo lab printers.

Concept:

I am using the “complete individual objects” output option, but with a twist. Basically first it will print all the bases, and then proceed with a second pass in the same order printing the steps of the filaments that are supposed to be calibrated. This cuts the amount of filaments swaps in half, eliminates the need to heat up/cool down the nozzle, avoids revealing the bed every time and should save you roughly half of your time.

This is achieved by a python post processing script.

Please be mindful this is an advanced technique that is recommended to experts only. I assume no liability for any damages that might happen to you or your 3D Printer.

Always preview modified Gcode, before sending it to your printer!

Requirements:

- Download the instructions PDF File
- python3 installed on PC
- download python script
- Prusa Slicer (other Slicers untested as of now)
- enable expert settings

The guide is an ongoing project; I welcome your feedback to make it even better!

Download the guide now and take your hueforge to the next level!
instructions Hueforge batch TD_BD calibration v1.0

This remix is based on



Detailed TD calibration step test for HueForge

by Xavier Faraudo

Model files

process_gcode.py

📄 the gcode postprocessing python script



hueforge-15-step-test-labeled-008mm.3mf

📄 Prusa Slicer project file for normal filaments (start with this)



hueforge-15-step-test-labeled_hightd-016mm.3mf

📄 Prusa Slicer project file for high TD filaments



hueforge-15-step-test-labeled.stl

📄 the original STL for hueforge import

Print files



input-example-numbered-008.gcode

🌀 PLA 📏 0.40 mm 📏 0.08 mm ⌚ 1.53 hrs ⚖️ 15 g 🖨️ Prusa MK4

📄 example input with swatches labeled 1-9



output-example-numbered-008.gcode

🌀 PLA 📏 0.40 mm 📏 0.08 mm ⌚ 1.53 hrs ⚖️ 15 g 🖨️ Prusa MK4

📄 example output with swatches labeled 1-9



input-example-nolabel-008.gcode

🌀 PLA 📏 0.40 mm 📏 0.08 mm ⌚ 1.50 hrs ⚖️ 15 g 🖨️ Prusa MK4



output-example-nolabel-008.gcode

🌀 PLA 📏 0.40 mm 📏 0.08 mm ⌚ 1.50 hrs ⚖️ 15 g 🖨️ Prusa MK4

Other files

instructions-hueforge-batch-td_bd-calibration-v10.pdf

📄 This is the main instructions file. Please read this carefully.

hueforge-detailed-td-step-test-guide-from-xavier-fa... .pdf

📄 original guide

hueforge-project-file.zip

📄 to compare the swatches visually

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