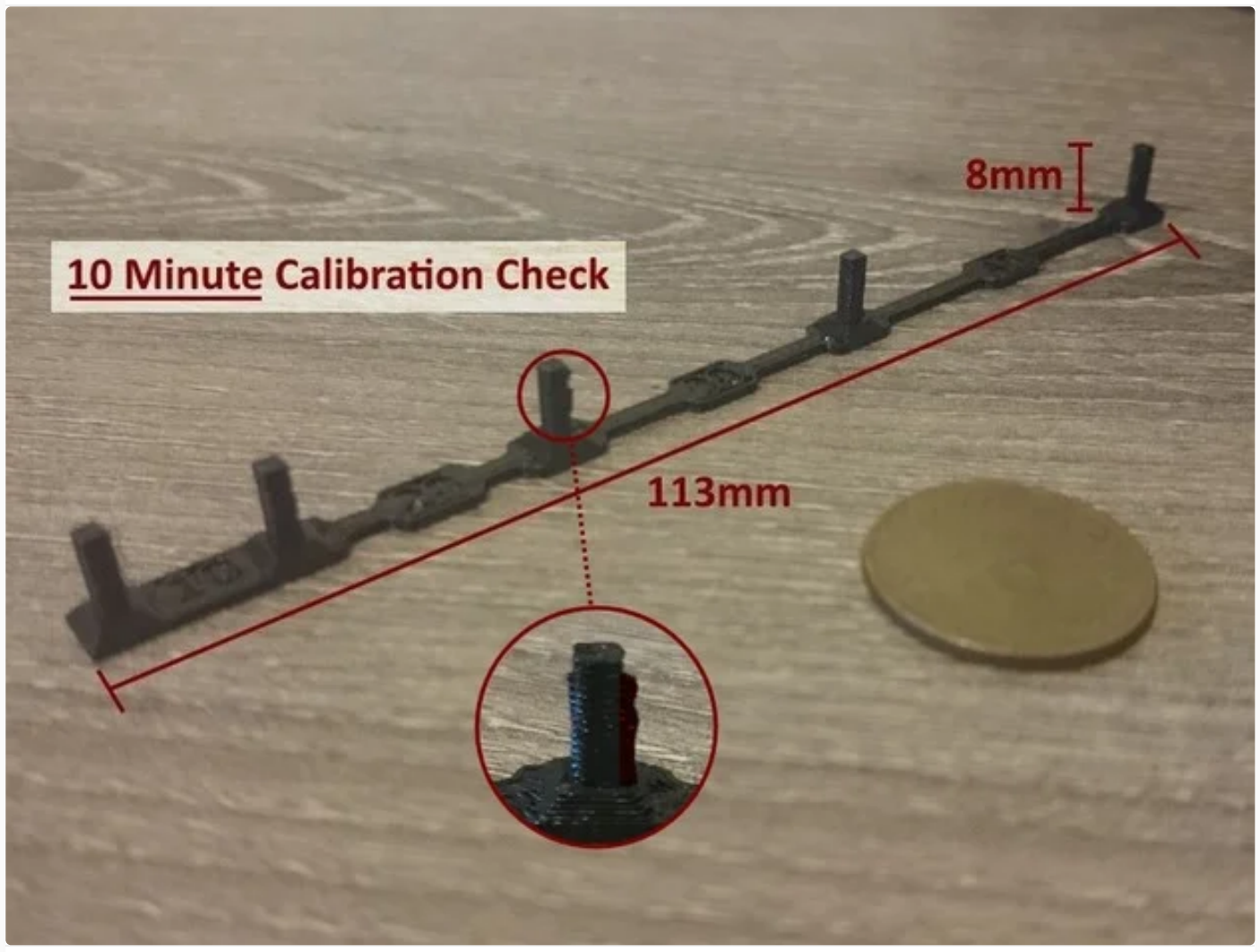
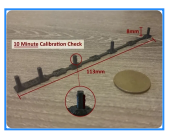
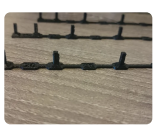
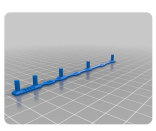
10 Minute Mini Calibration Test for Oozing/Retraction at Different Distances

by MrTestOne October 09, 2016



Thing Details | 1 Thing Files | 24 Comments | 18 Makes | 1 Remixes | 3 Apps

Summary

What is it?

This is a very compact test and calibration model for printing. It's goal is to show, if material sticks to bed and to show if oozing is occurring over several distances.

What is the reason in it?

- Main goal was to make a calibration test as tiny and effective as possible
- Save as much material as possible
- Save as much printing time as possible
- Show useful test results for retraction and printing quality
- Only include the most important and basic tests for proper calibration (in my opinion)

Why this and not others?

There are plenty of other test models out there, either with a very big range of tests, or just one test. Usually they are using a lot of printing material and printing time. However I just wanted to make a quick check, if printing results are okay. Mostly I faced difficulties regarding temperatures, oozing and only wanted to fix

Contents

Tags

miniature, ooze, oozing, retraction, string, Stringing, test

), but it didn't include printing over variable distances (oozing can be different at different distances).

What is in it?

In the end I made my own model which was already reworked several times and now ends up with following properties or "features":

- Can be printed in less than 10 minutes (depends of course on printer speed, mine can do it)
- Only using 0.67g of material
- Showing oozing results between 10, 20, 30, 40 mm distances
- Check, if retraction settings are too low or too high. (If too low: Oozing/Stringing; if too high: Bad quality of towers and printed numbers)
- Showing, if print sticks to bed well (first layer should have a clean and defined shape with no string/layer issues)

Print Settings

Printer:
Flashforge Creator

Rafts:
No

Supports:
No

Resolution:
0.2mm

Infill:
20%

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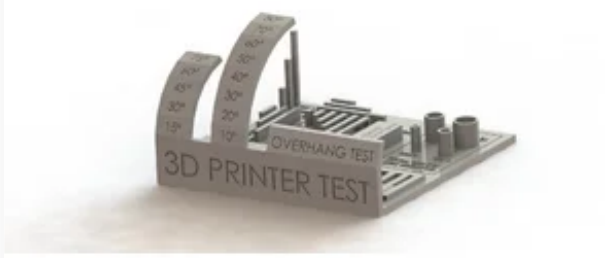

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