



## Top Surface Ironing Test



LeoganPro

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## Summary

Ironing calibration test for smooth top surfaces. Varies ironing speed (X) & flow (Y) to find the best settings.

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[orcaslicer](#)

This calibration test is designed to find the ideal ironing settings for achieving a smooth top surface when printing with a 3D printer. The model consists of a 10x10 array of flat cylinders. Along the X-axis, the ironing speed increases from 10 mm/s to 100 mm/s, while the Y-axis varies the flow rate from 10% to 100%. This allows for a precise evaluation of how different settings impact surface finish and print quality. The project is designed for OrcaSlicer.

**For PrusaSlicer users:** check out [this](#) remix by @Robin\_3313596.

**Surface Types:** This test allows you to evaluate three different surface outcomes:

**Matte and the flattest surface** – Achieved by balancing ironing speed and flow rate for a uniform, non-reflective finish.

**Glossy and the flattest surface** – Optimized for a reflective, polished look with minimal surface imperfections.

**Maximum print speed with acceptable quality** – Finding the highest possible ironing speed that maintains a reasonable surface quality.

### **Test Details (As Shown in Photos):**

Printed on Creality K1C using black PETG.

Print time: 1h 31m.

Filament usage: 17.76g.

A brim is required to connect all cylinders into a single piece.

### **Advantages:**

Low filament consumption.

Fast print time.

Easy comparison of settings.

Ability to disable unnecessary parameters after evaluation.

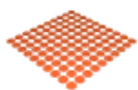
This test provides a simple and efficient way to fine-tune your ironing settings and improve the surface quality of your prints. Experiment with different materials and find the perfect balance for your needs!

### **Featured Model in Video**

My **Top Surface Ironing Test** model was featured in Uncle Jessy's recent YouTube guide to mastering ironing settings. Check it out:

Thanks to Uncle Jessy for the demo — hope this helps you dial in the perfect top surface finish on your prints!

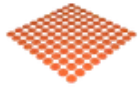
## **Model files**



**ironing-test-v3.3mf**

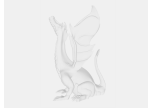
☐ Fixed top row ironing flow

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## ironing-test-v2.3mf

☐ Latin object names, optimized models, removed printer/filament settings



## ironing-test.3mf

☐ Old

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