



Utility Knife - F1 Gen.2



FAYRON

[VIEW IN BROWSER](#)

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Summary

The Best 3D Printed Utility Knife... Again.



0.92 hrs



1 pcs



0.20 mm



0.40 mm



PLA



16 g



Prusa MK4

[Hobby & Makers](#) > [Tools](#)

Tags: [tool](#) [functional](#) [small](#) [knife](#) [easy](#) [keychain](#) [click](#)
[compact](#) [quick](#) [handy](#) [portable](#) [useful](#) [edc](#)
[pocketknife](#) [everydaycarry](#) [utilityknife](#)

F1 Gen.2 - Lightweight Utility Knife with Optimized Grip and Advanced Blade Safety

After the success of the **F1 Gen.1**, with thousands of downloads and prints, we redesigned everything with a focus on ergonomics, usability, and safety.

F1 Gen.2 represents a true revolution. The structure is now more robust, the blade change is safer and more intuitive, and the newly designed locking mechanism ensures that opening the knife requires deliberate intent, preventing accidental openings, like when it's in your pocket.

We worked with precise tolerances in every detail to ensure a flawless result. This is a product built on precision, quality, and innovation.

Attention to Detail with No Compromises:

We paid particular attention to the feel of using the knife. The grip has been optimized to ensure excellent comfort and control, even during prolonged use. Additionally, we included detailed images to help you correctly position the **seams in the slicer**. These seams have been strategically designed to enhance both aesthetics and ergonomics, ensuring comfort and an optimal grip.

Try it out and feel the difference:

F1 Gen.2 isn't just an upgrade—it's a whole new experience.

⚠ IMPORTANT: Scroll down for Printing Guidelines.

Collaboration with Extrudr

We're proud to announce that **F1 Gen.2** was made possible thanks to a special collaboration with **Extrudr**, a leader in high-quality filament production. For this project, we specifically used their **Green-TEC Pro** line—a biodegradable material made from 100% renewable raw resources, with heat resistance up to 160°C.

This filament delivers high performance and is easy to print, using settings similar to PLA.

Using **Green-TEC Pro** allowed us to achieve new standards of precision, strength, and reliability, enhancing both the performance and durability of the product while reflecting our commitment to sustainable and innovative

solutions.

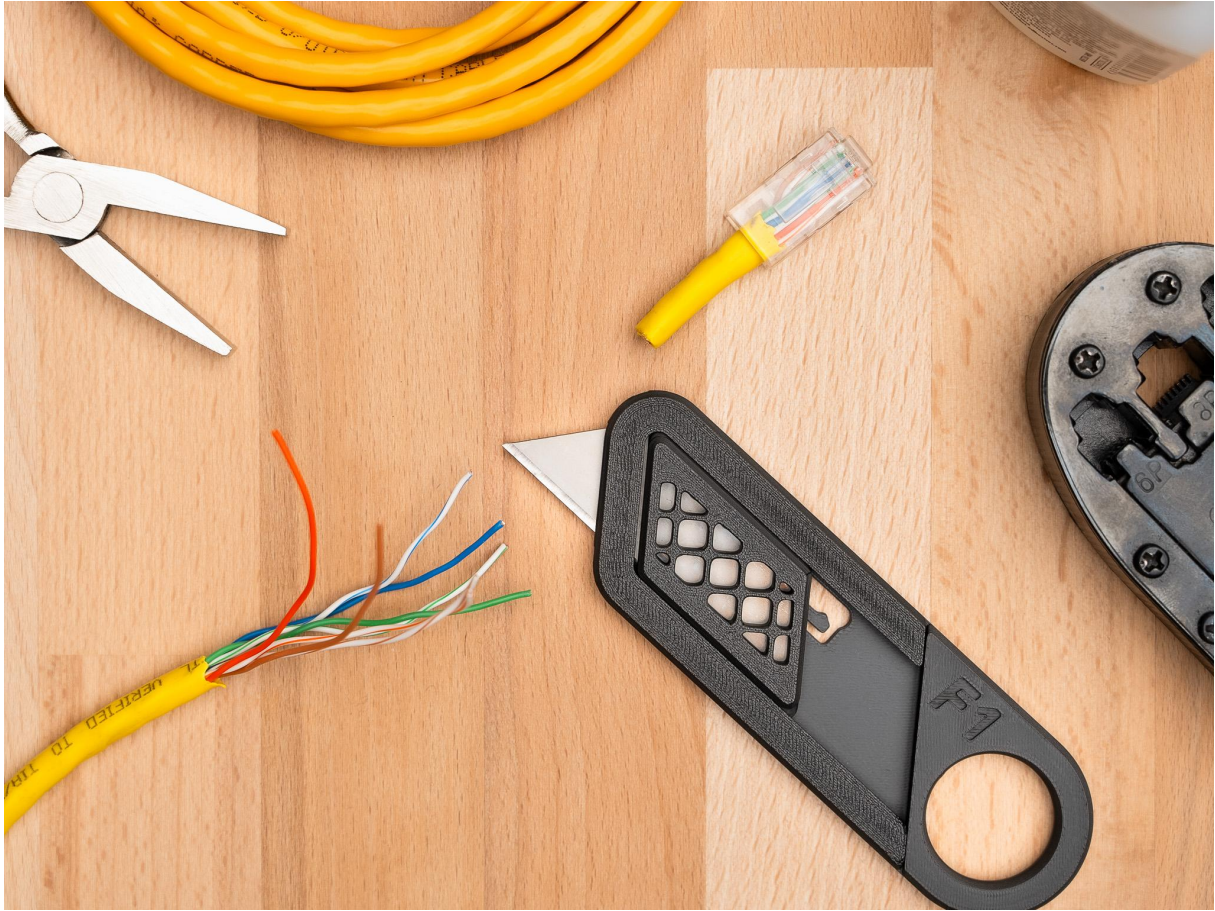


Review by 3D Printing Nerd

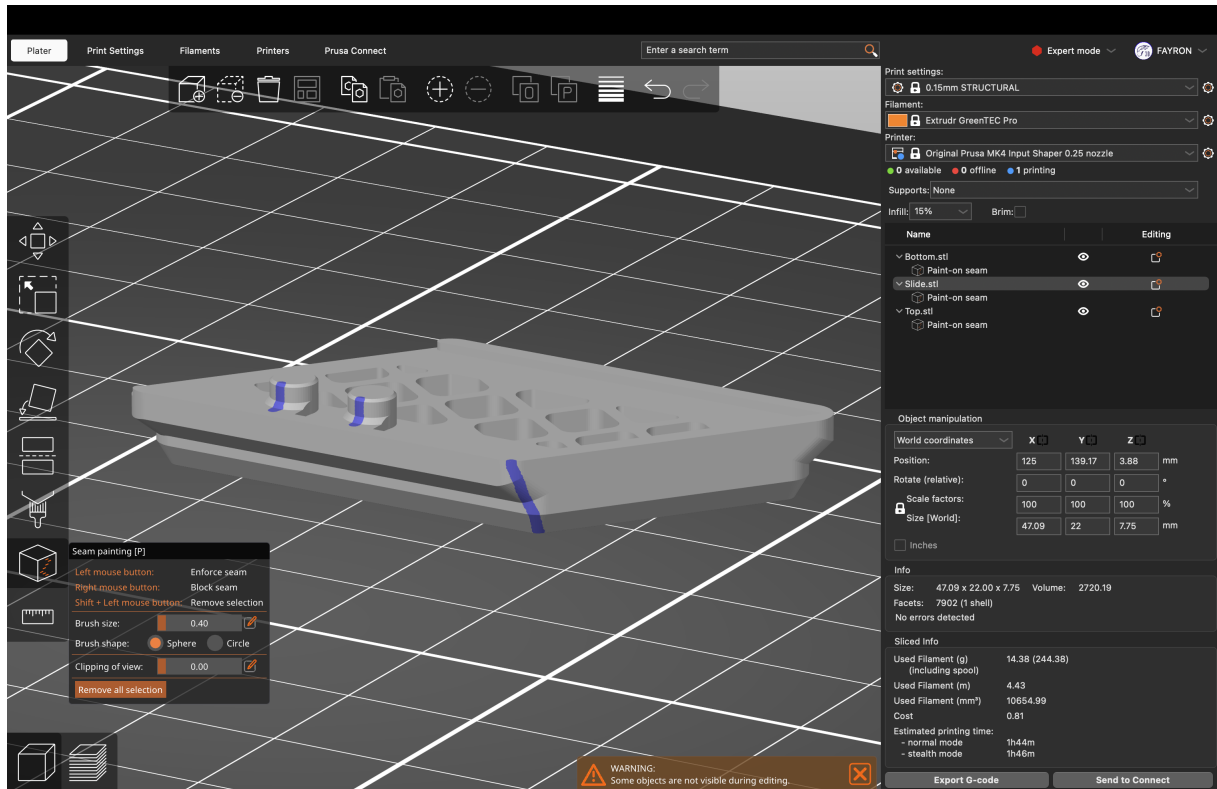
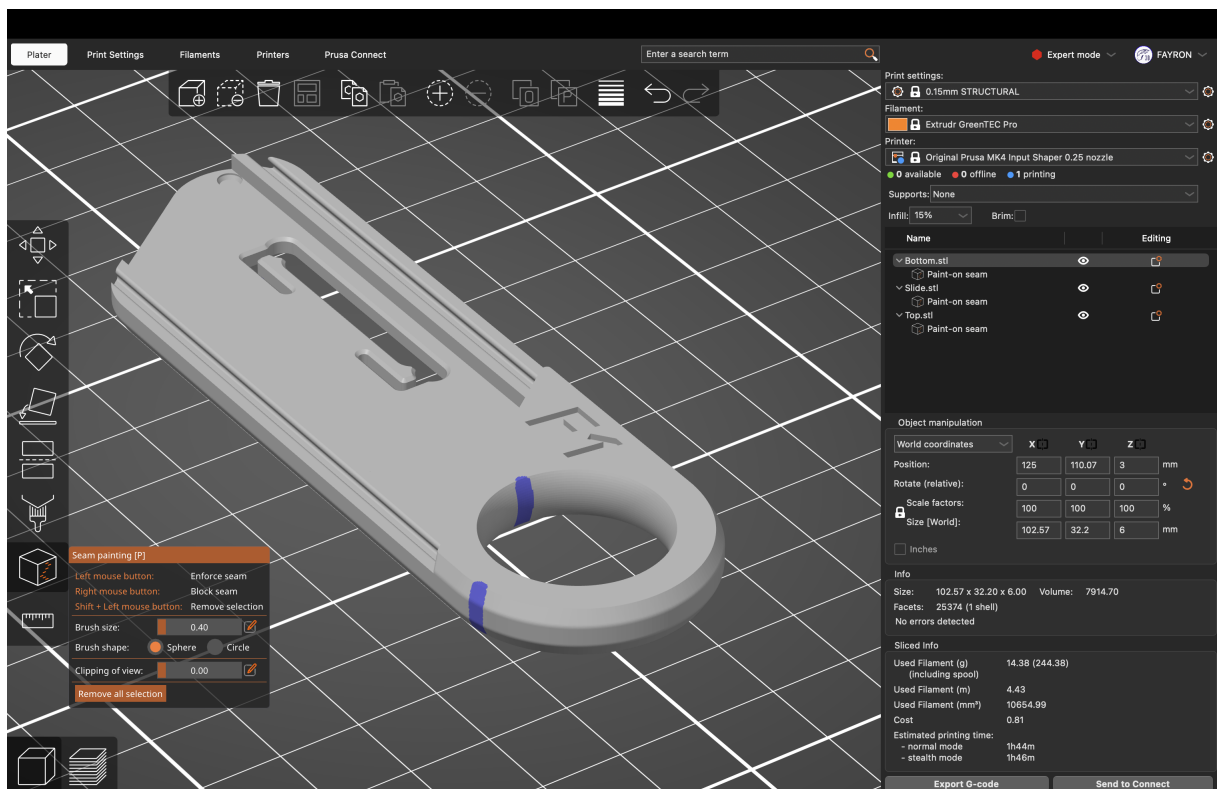
We're thrilled to share that Joel, aka **3D Printing Nerd**, has reviewed our knife in one of his videos! 😊

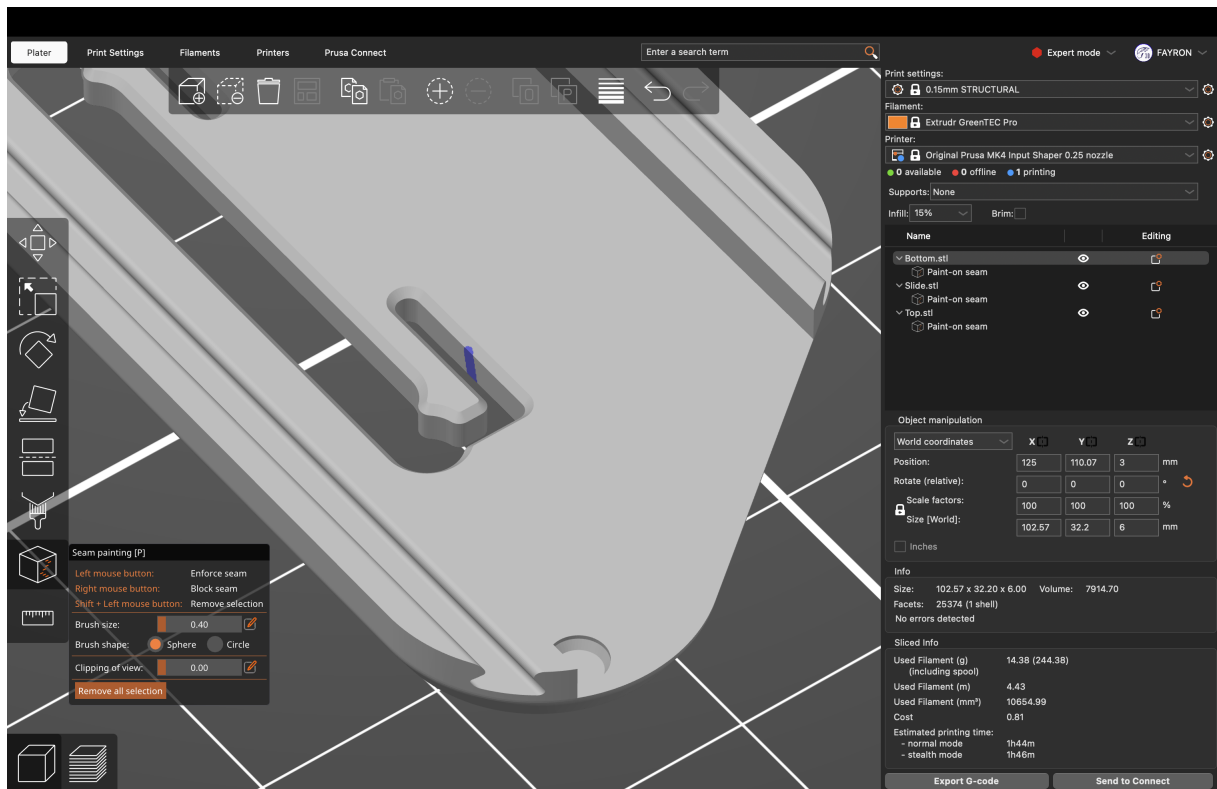
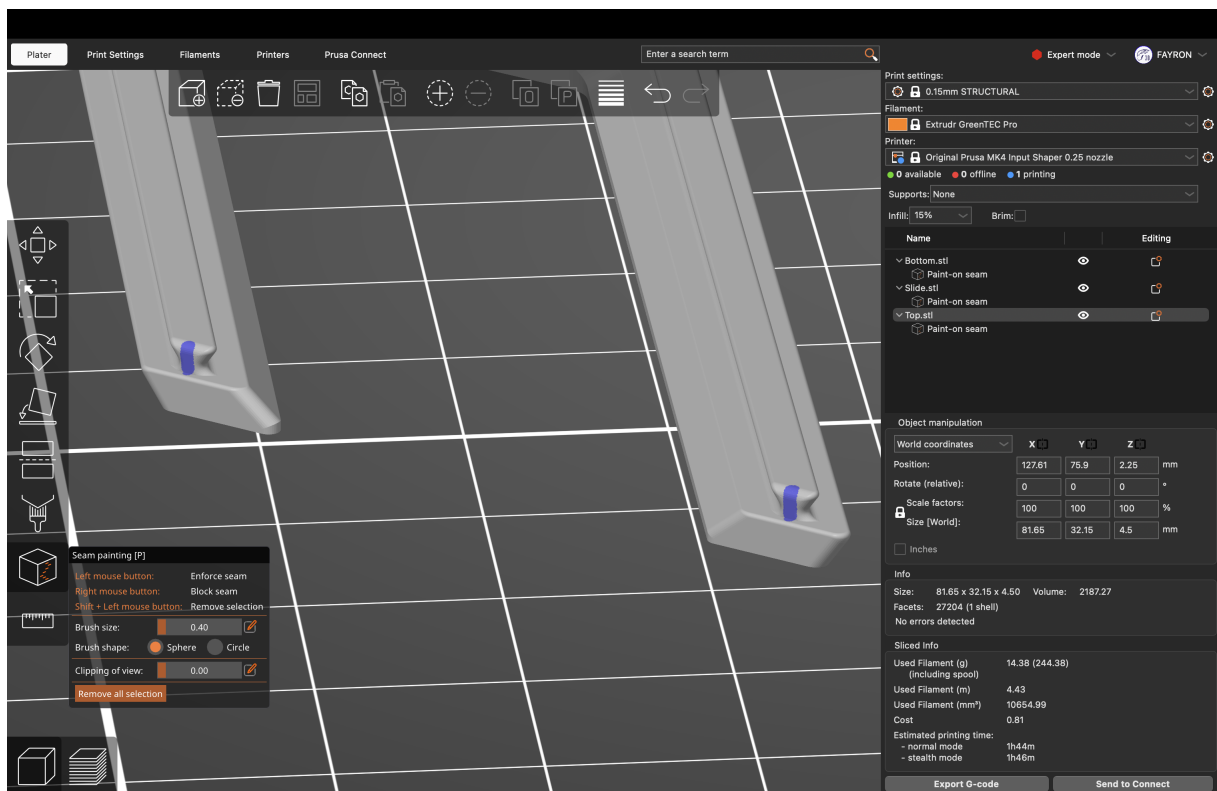
Don't miss it! Go check it out and let us know what you think!

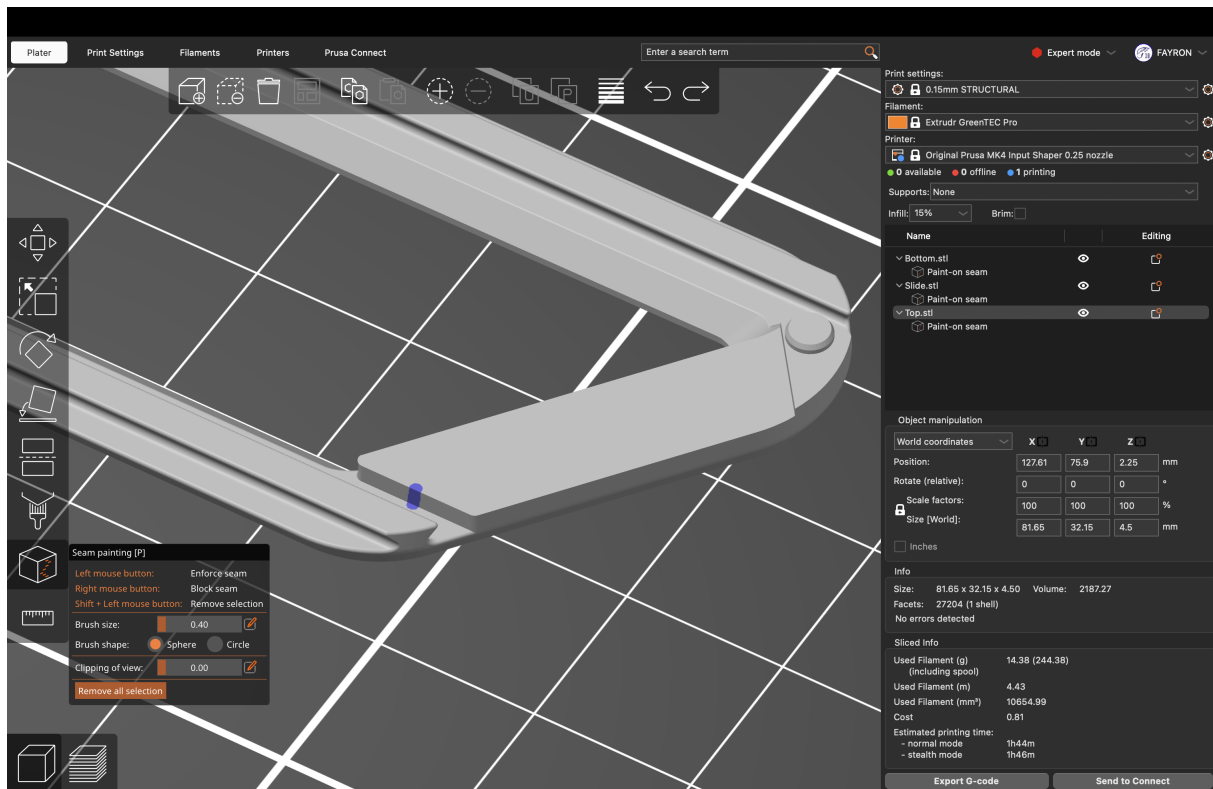
How To Assemble: F1 Gen.2 Utility Knife



SEAM PLACEMENT:







PRINTING RECOMMENDATIONS:

- Print with a **0.2mm Nozzle**;
- Print with a layer height **not taller** than **0.2mm**;
- In PrusaSlicer (and most other slicers) → Print Setting → Layers and perimeters → Avoid crossing perimeters: **ON (to reduce stringing)**;
- In PrusaSlicer (and most other slicers) → Print Setting → Layers and perimeters → External perimeters first: **ON (For better surface finish and tolerance)**;
- Print with **100% Infill**;
- Print with at least **3 Perimeters/Walls**.

Model files


0.2mm Nozzle - Extruder GREENTEC PRO (Recommended)
3 files


bottom-02-extruder-greentec-pro.stl



top-02-extrudr-greentec-pro.stl



slide-02-extrudr-greentec-pro.stl



0.4mm Nozzle - Extrudr GREENTEC PRO (Recommended)

3 files



bottom-04-extrudr-greentec-pro.stl



top-04-extrudr-greentec-pro.stl



slide-04-extrudr-greentec-pro.stl



0.2mm Nozzle - PLA or CF Filaments

3 files



bottom-02-pla-or-cf-filaments.stl



top-02-pla-or-cf-filaments.stl



slide-02-pla-or-cf-filaments.stl



0.4mm Nozzle - PLA or CF Filaments

3 files



bottom-04-pla-or-cf-filaments.stl



top-04-pla-or-cf-filaments.stl



slide-04-pla-or-cf-filaments.stl



0.2mm Nozzle - PETG or PC

3 files



bottom-02-petg-or-pc.stl



top-02-petg-or-pc.stl



slide-02-petg-or-pc.stl



0.4mm Nozzle - PETG or PC

3 files



bottom-04-petg-or-pc.stl



top-04-petg-or-pc.stl



slide-04-petg-or-pc.stl

Print files



f1_gen2_04n_02mm_pla_mk4is_55m.bgcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 0.92 hrs ⚖️ 16 g 🖨️ Prusa MK4

📄 MK4_0.4mm_PLA

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