

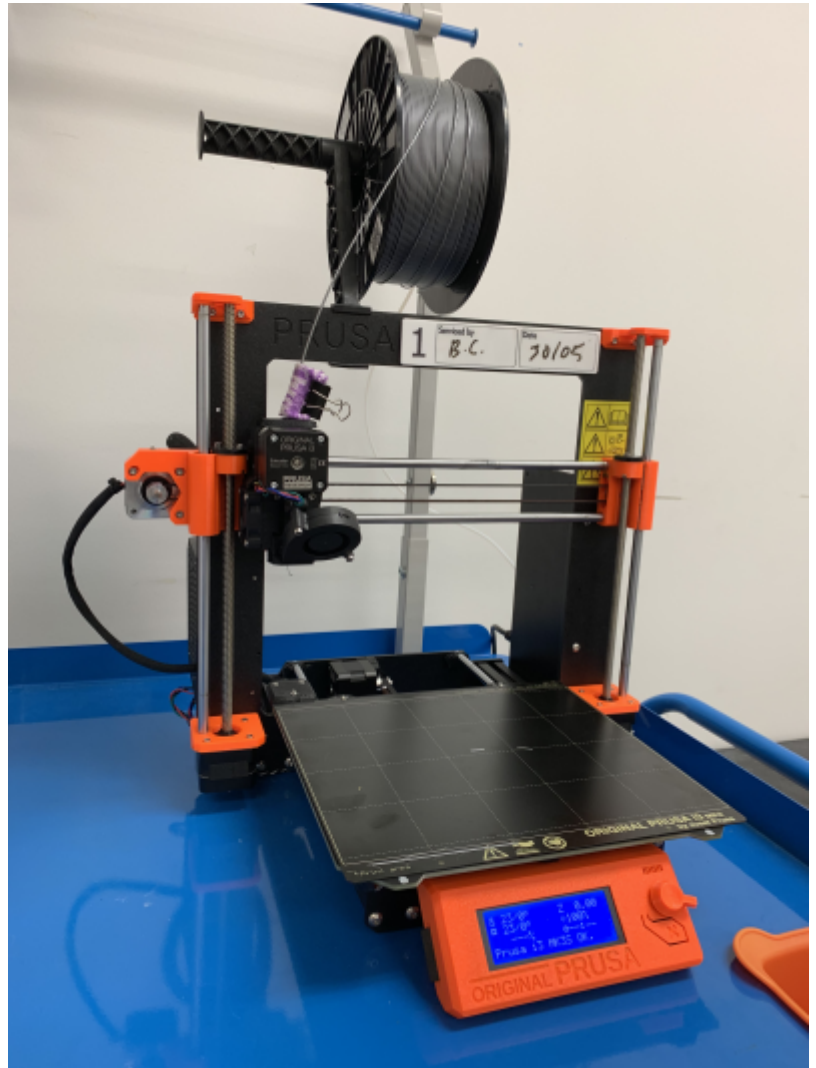


Prusa i3 MK3s+

SLQ Wiki Fabrication Lab 2024/04/20 16:05

Prusa i3 MK3s+

The Prusa i3 MK3s+ is a successor to Original Prusa i3 MK3 with hardware and software upgrades which lead to improved reliability and ease of use and assembly.



The Edge purchased 5 Prusa i3s printers to replace the ageing Up mini 2s.

Summary

- Build volume - (250(W) x 210(D) x 210(H) mm (11,025 cm³))
- 0.4mm nozzle
- PEI print surface

FILAMENT MATERIALS

In theory, the Prusa i3 Mk3s+ can be set up to print using a range of filaments including:

PLA	Polylactic acid (Starch based)
ABS	Acrylonitrile butadiene styrene

PETG	Polyethylene terephthalate (Glycol modified)
Nylon	Polyamide
Composite Materials	Often PLA with carbon fiber, metal or wood fill
HIPS	High-impact polystyrene
PVA	Polyvinyl acetate (Water-soluble Print support)
PP	Polypropylene

In practice, we control the types of filaments permitted for printing, due to the emissions they produce when melted. For the full range, see: [Supported Filaments](#)

Overview

[Printer Components](#)

[Prepping your 3d model for printing](#)

[Printing with Prusa i3 MK3s](#)

[3D printing induction presentation](#)

Maintenance

[Daily Setup](#)

[Routine Maintenance](#)

[Changing Filament Roll](#)

[Troubleshooting](#)

Manual

[prusa3d_manual_mk3s_en_3_11.pdf](#)

Elements of this wiki entry have been adapted from the Prusa 3D Manual Mk3S; English Edition, which is published under a CC attribution licence and is available [here](#)

Induction Materials

[3D Printing Induction Form](#)

3D Printing Induction Teachers edition

3D printing operations

Below describes guidelines for coordinating public access of the 3D printers.