Prusa i3 MK3s+

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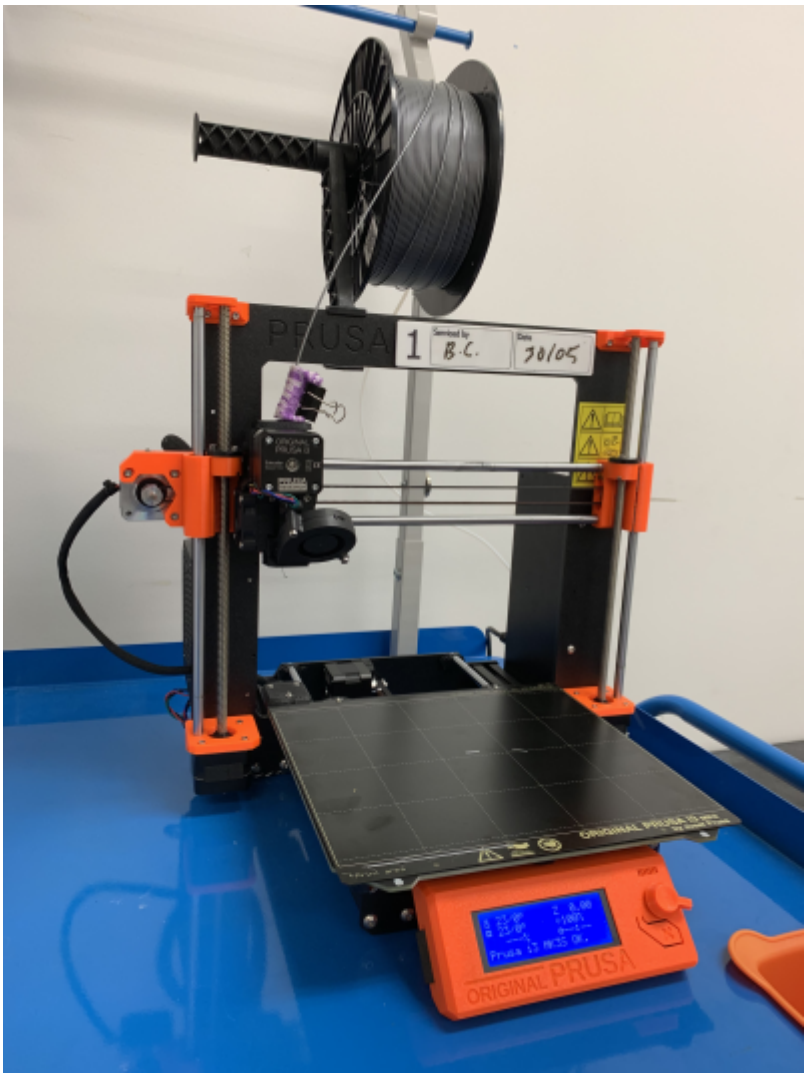
Prusa i3 MK3s+

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.