FDM Printers - Desktop - Prusa MK4

About	The desktop FDM printers fuse extruded lines of material to 3D print parts with engineered materials. These printers are best suited for rapid prototyping of little to moderately detailed or functional parts. Unless it's known that these printers are not suitable for the part to be printed, they should be the first printers to try. • Type: FDM • Extruder: Direct Drive • Build Volume: 25.0cm x 21.0cm x 22.0cm (9.84in x 8.30in x 8.60in) • Layer Height: 50-300m • X-Y Resolution: 10m • Leveling: Semi-Auto Leveling • Print Bed: Magnetic heat bed with removable PEI spring steel sheets
Category	3D Printing
Location	Front Room
Brand/Model	Prusa MK4 Printer
Status	**AVAILABLE**
Materials	• PLA • PETG

Standard Operating Procedure

⚠️ **Google Apps Sign-in Required**

You must login to your uAlberta Google apps account to access these files.

Training

To be trained on the Desktop FDM 3D Printer you can either take the fully in-person training session or the two-part hybrid training session.

Sign up for fully in-person training here: Training Registration Calendar

Begin hybrid training session here: Elko Engineering Garage eClass

After completing the online hybrid 1A session, you will gain access to a private training calendar through eClass to book an in-person hybrid 1B session.

Training	Type	Time Estimate	Prerequisites	Checklist/Document
DFDM - Training 1 In-Person	ON-MACHINE	50 min	None	
DFDM - Training Hybrid 1A: Online	ONLINE	30 min	Online orientation	Complete the online quiz
DFDM - Training Hybrid 1B: In-Person	ON-MACHINE	20 min	DFDM - Training Hybrid 1A: Online	

Documentation

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Safety Data Sheets	N/A
Hazard Assessments	
Application Resources	- Slicing software: PrusaSlicer - Queue and print system: 3D Printer OS - Elko Engineering Garage YouTube - Desktop FDM Training Video - 1A (As reference only, not a substitute to eClass training video)
Manufacturer's Manuals	