**Mark4 Printer**

**Quick Start Guide**

**(For more details see the user guide in the binder)**

# PrusaSlicer

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| **Select the Mark 4 printer** | * In the ***Printer Settings*** Tab in PrusaSlicer, pull down the printer list and select the ***Mark4*** from the Physical Printers near the bottom of the list. |
| **First Layer height** | * Should be .2mm or greater |
| **Speeds** | * Speeds up to 100mm/sec should produce good prints. Printer capped at 150mm/sec. |
| **Save on SD card** | * Same as you do with the Prusa printers. |

# Running the Mark4 Printer

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| **Clean the build Plate** | * Windex has been working best – dry with a paper towel. |
| **Power on** | * Switch on the back left corner of the Mark4, just below the power cord. |
| **Watch the Z probe** | * The BLTouch probe drops twice and, turns red at power-on. |
| **Prep the printer** | * Follow the on-screen instructions. |
| **Load your filaments** | * Select a tool by touching that tool's icon on the touch-screen. * Touch the macro button on the screen, follow the prompts. * Thread you filament through the plastic tube when loading |
| **Start your print job** | * Put your card in the SD slot on the right side of the touch screen housing. * Touch this button on the control screen: * Touch it again on the next screen to get to the card you inserted. * Select your file, then the print button. |
| **Watch Layer 1** | * Adjust baby steps if necessary (It should not be needed) to move the nozzle closer or farther from the bed. The pictures on the buttons tell you which way it'll move – the bed closer to nozzle or nozzle closer to the bed. |
| **Finishing up** | * Remove the build plate from the printer and take off your parts. * Unload your filament. * Turn off the printer at the power switch. |

**Mark 4 Printer BETA Phase rules**

1. If something goes wrong – shut off the printer (power switch and unplug). Add a note to the log.
2. If everything goes right – note your usage in the log – date, time, your name, filament type.
3. If you're not sure, consult the User Guide in the binder in the drawer. If you're still not sure, ask a monitor. If they are not sure, leave a note or send a message in SLACK (eta-large-3d-printer channel).
4. You must be able to use slicer to adjust temperatures, layers, speeds. (If you are a complete beginner, it might be best to start with the Prusa printers)

# If your print fails or something odd happens, we want to know so we can correct it. Leave a note or send a message in SLACK.

1. Weekly maintenance, repairs, and improvements happen Tuesday between 10am and 2pm. We'll try not to, but may stop a running print during this time window.