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| Fixed Static Plant_SOP  **3D PRINTER** | |
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| **DO NOT** use this machine unless a teacher has instructed you in its safe use and operation and has given permission | |
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| Safety glasses must be worn at all times in work areas. | Hair Protection circleLong and loose hair must be contained or restrained. |
| **Prohibition circleProhibition circle**Rings and jewellery must not be worn. | Hand Protection circleGloves should be worn to avoid burns when handling hot plastics or performing maintenance. |
| **CAUTION** &  **WARNING** signs commonly displayed on this machinery indicate a potentially hazardous situation which, if not avoided, may result in minor or moderate injury | |

### **PRE-OPERATIONAL SAFETY CHECKS**

1. **Ensure the plastics spool is correctly fitted into the extrusion head – refer to the User Manual.**
2. **Correctly initialise the printer after it has been moved or relocated.**
3. **Ensure all cables are inserted or connected correctly and securely.**
4. **Pre-heat the perf-board platform (if possible) to maximise effect adhesion and stability.**
5. **Be aware that ABS vapours are toxic. Ensure that your work area is well ventilated.**
6. **Room temperatures are best between 20-30ºC.**
7. **Faulty equipment must not be used. Immediately report any suspect equipment or machinery.**

#### OPERATIONAL SAFETY CHECKS

1. **Never attempt to program this CNC machine without proper training.**
2. **Familiarise yourself with all machine operations and controls – refer to the User Manual.**
3. **Place the enclosure over the machine when operational (if supplied).**
4. **Only ONE person should operate this machine – or remove finished products.**
5. **Always wear safety glasses and gloves when removing support materials.**
6. **DO NOT TOUCH any moving parts during operation.**
7. **Keep both hands behind the sharp spatula and tools when removing perf-board and scaffolds.**
8. **Use caution when using clippers and tweezers.**

#### HOUSEKEEPING

1. **Ensure machine is turned off and unplugged after use.**
2. **Return all accessories. Leave the machine, hose and work area in a safe, clean and tidy state.**

## POTENTIAL HAZARDS

◼ **Hot surfaces and materials** ◼ **Molten plastics** ◼ **Moving components**

◼ **Sharp edges** ◼ **Eye injury** ◼ **240v electrical components**

◼ **Toxic vapours** ◼ **Control errors** ◼ **Failure or malfunction**

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| **Date of last review** | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

Reviewed May 2018 V2  
Uncontrolled when printed.

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