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| Fixed Static Plant_SOP  **CNC IMPACT 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. |  |

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

1. **Correctly initialise the printer after it has been moved or relocated.**
2. **Ensure the loadable material is sized correctly and placed accurately and securely in the printable area – refer to the User Manual.**
3. **Materials suitable for printing include gold, silver, copper, platinum, brass, aluminium, iron, stainless steel, acrylic, etc.**
4. **Vickers hardness (HV) of the printable surface must be 200 or less.**
5. **Ensure that your work area is well ventilated.**
6. **Room temperatures are best between 10-30 ºC.**

#### 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. **Check USB interface connectivity.**
4. **Check your file formats and import required images.**
5. **Layout and edit your intended graphics and designs, and check your text fonts.**
6. **The printer should be fully enclosed. Close the front cover to allow printer to start.**
7. **Only ONE person should operate this machine – or remove finished products.**
8. **DO NOT TOUCH any moving parts during operation.**

#### HOUSEKEEPING

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

## POTENTIAL HAZARDS

◼ **Impact, pinch and crush points** ◼ **Sharp edges** ◼ **Manual components**

◼ **Manual handling, slip and trip** ◼ **Eye injury** ◼ **Control errors**

◼ **Electrical components and power adaptor – 240v to 19v DC** ◼ **Failure or malfunction**

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

Reviewed May 2018 V2  
Uncontrolled when printed.

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