

MEMBERS PROTECTIVE EQUIPMENT & PRACTICES FOR SLA PRINTING



EYE PROTECTION

Safety glasses should be used when finishing the 3D prints.



GLOVES & APRON

Make sure that you wear gloves and apron when removing, touching or finishing the 3D print.



RULES & RESTRICTIONS

- There should be no more than four people around the machine.
- Never make adjustments while the machine is operating.
- Care should be taken when using sharp tools.
- Supporting scaffold removed from the finished 3D print should be properly disposed of in domestic waste. Any particulates should be cleaned up using a portable handheld vacuum. Any sharps should be disposed of in a sharps bin – broken fragments of glass should be brushed on to paper and disposed of in a similar fashion.

IN CASE OF INJURY

- Lacerations should be reported to the facility manager.
- Any burns should be irrigated immediately with copious amounts of cold running water.
- A first aid box is available in the area.



USE THE EQUIPMENT AS INSTRUCTED



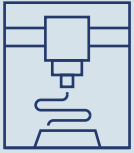
SHARP OBJECTS AND MATERIAL



HAZARDOUS SUBSTANCES

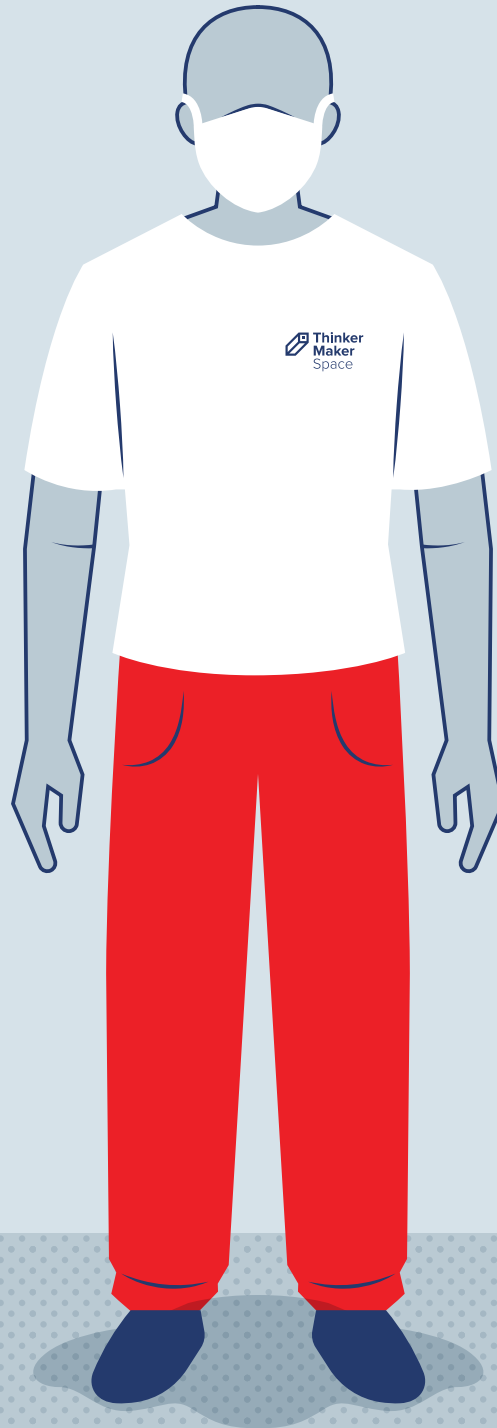


ELECTRIC SHOCK RISK



MEMBERS PROTECTIVE EQUIPMENT & PRACTICES

FOR FILAMENT PRINTING



RULES & RESTRICTIONS

- There should be no more than four people around the machine.
- Never make adjustments while the machine is operating.
- Care should be taken when using sharp tools.
- Wait 30 minutes after printing, to allow the printer to cool before removing the 3D print.
- Avoid making contact with any components of the printing chamber.
- Supporting scaffold removed from the finished 3D print should be properly disposed of in domestic waste. Any particulates should be cleaned up using a portable handheld vacuum. Any sharps should be disposed of in a sharps bin – broken fragments of glass should be brushed on to paper and disposed of in a similar fashion.

IN CASE OF INJURY

- Lacerations should be reported to the facility manager.
- Any burns should be irrigated immediately with copious amounts of cold running water.
- A first aid box is available in the area.



USE THE
EQUIPMENT AS
INSTRUCTED



SHARP
OBJECTS AND
MATERIAL



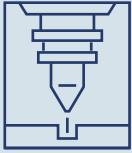
HAZARDOUS
SUBSTANCES



ELECTRIC
SHOCK RISK



SWITCH ON
THE VENTILATOR
WHILE OPERATING



MEMBERS PROTECTIVE EQUIPMENT & PRACTICES

FOR LASER CUTTING



EAR PROTECTION

Hearing protectors must be used while operating the laser cutter, in order to protect your ears from the noise and vibrations occurring.



GLOVES & APRON

Wear gloves when removing sharp objects from the laser bed.



RULES & RESTRICTIONS

- **DO NOT** operate the machine in any temperature above 45°C.
- **DO NOT** remove material from the cutting bed before it has cooled.
- **DO NOT** modify or disable any safety features of the laser system.
- **DO NOT** operate the laser unless all covers are in place and interlocks are working properly.
- **DO NOT** use materials that are highly flammable, explosive or produce toxic by products.
- **DO NOT** leave a laser cutter operating unattended.
- **DO NOT** look directly into the laser beam.
- **DO NOT** cut a material that has not been approved by the manufacturer.
- **DO NOT** use a laser cutter with a malfunctioning exhaust system or clogged air filter.
- **ALWAYS** clean up clutter, debris and flammable materials in the laser cutter after use.
- Make sure that the door is closed while operating the machine.
- Any leftover materials should be placed in the recycle bin section.
- Particular attention is needed when removing sharp objects from the laser bed.
- When lifting an object heavier than 15kg always seek help/assistance by a 2nd party.

IN CASE OF INJURY OR FIRE

- Notify the staff.
 - Any burns should be irrigated immediately with copious amounts of cold running water.
 - A first aid box is available in the area.
 - A fire extinguisher is mounted on the wall near the laser cutter.
- Do not operate unattended.



USE THE EQUIPMENT AS INSTRUCTED



SHARP OBJECTS AND MATERIAL



DANGER! LASER LIGHT



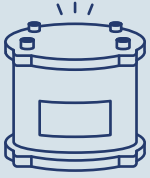
HIGH RISK OF FIRE



ELECTRIC SHOCK RISK



SWITCH ON THE VENTILATOR WHILE OPERATING



MEMBERS PROTECTIVE EQUIPMENT & PRACTICES FOR USING THE PRESSURE POT



EYE PROTECTION

It is advised to wear safety glasses.



GLOVES, APRON & MASK

While operating the pressure pot gloves, apron & a protective mask is required, in order to avoid any contact with hazardous substances.



RULES & RESTRICTIONS

- There should be no more than one person using the press at a given time.
- Make sure exhaust valves are properly closed.
- Make sure that the lid and screws are appropriately placed before operation.
- Ensure that you have checked the regulator before filling with compressed air.
- Never make adjustments while the machine is operating.
- Check for leaks.
- The lid can blow up if you do not close it appropriately. Ensure you are aware of the pressure pot maximum psi (75).
- Do not remove the safety relief valve or the gauge.
- Clean up spills immediately and ensure that the space around the pressure chamber is free of materials (silicone and resin), clutter or any other obstacles.
- Any liquid or vapour should be poured in the tank specifically used for such waste. The pressure chamber should then be washed and properly cleaned only in the makerspace aworkstation basin.

IN CASE OF INJURY

- Notify the staff.
- Lacerations should be reported to the facility manager.
- A first aid box is available in the area.



USE THE EQUIPMENT AS INSTRUCTED



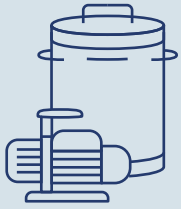
EXPLOSIVE BLAST/
PRESSURE
RELEASE RISK



HAZARDOUS
SUBSTANCES



SLIPPERY
SURFACE RISK



MEMBERS PROTECTIVE EQUIPMENT & PRACTICES FOR USING THE VACUUM CHAMBER



EYE & EAR PROTECTION

Operators must wear safety glasses. Hearing protectors must be used by all people accessing the workshop while operating the vacuum chamber, in order to protect their ears from the noise and vibrations occurring.



GLOVES, APRON & MASK

While using the equipment gloves, apron & a protective mask is required, in order to avoid any contact with hazardous substances.



RULES & RESTRICTIONS

- There should be no more than one person using the press at a given time.
- Always remove exhaust valve before operating the vacuum pump.
- Never make adjustments while the machine is operating.
- Clean up spills immediately and ensure that the space around the pressure chamber is free of materials (silicone and resin), clutter or any other obstacles.
- Ensure that all the pressure is released before attempting opening the lid.
- Ensure that the ventilators are on and placed on top of the vacuum chamber.
- Any liquid or vapour should be poured in the tank specifically used for such waste. The pressure chamber should then be washed and properly cleaned only in the makerspace workstation basin.

IN CASE OF INJURY

- Notify the staff.
- Lacerations should be reported to the facility manager.
- A first aid box is available in the area.



USE THE EQUIPMENT AS INSTRUCTED



EXPLOSIVE BLAST/
PRESSURE
RELEASE RISK



HAZARDOUS
SUBSTANCES AND
FUMES



SLIPPERY
SURFACE RISK



ELECTRIC
SHOCK RISK



SWITCH ON
THE VENTILATOR
WHILE OPERATING



MEMBERS PROTECTIVE EQUIPMENT & PRACTICES FOR VACCUM FORMER



EYE PROTECTION

Safety glasses should be used when using the Vaccum former.



GLOVES & APRON

Make sure that you wear gloves mask and apron when using the Vaccum former.



RULES & RESTRICTIONS

- No more than two people around the vaccum forming machine.
- LEV should be provided where harmful fumes are produced. Most common materials are unlikely to produce significant fumes during vacuum forming and normal room ventilation is usually sufficient.
- Care should be taken when using sharp tools. Sharps should be disposed of in a sharps bin.
- The heater system should be shielded or guarded against accidental skin contact. The moving heater system should be mechanically attached to the machine.
- The Vacuum Former should only be used under supervision. When not in use the plug should be removed from the mains.
- Educational equipment do not usually have a vacuum reservoir (tank) – hence danger of imploding is not applicable.
- The operators hands must be placed on the heater box handles to remove the risk of trapping.
- The Vacuum Former should be used on a flat stable surface to reduce any movement risk during use. If a trolley is being used for mobility, brakes must be applied (if available).

IN CASE OF INJURY

- Notify the staff.
- Lacerations should be reported to the facility manager.
- A first aid box is available in the area.



USE THE EQUIPMENT AS INSTRUCTED



SHARP OBJECTS AND MATERIAL



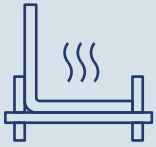
AVOID CONTACT WITH HOT SURFACES



HAZARDOUS SUBSTANCES



ELECTRIC SHOCK RISK



MEMBERS PROTECTIVE EQUIPMENT & PRACTICES FOR ACRYLIC BENDING MACHINE



EYE PROTECTION

Safety glasses should be used when using the acrylic bending machine.



GLOVES & APRON

Make sure that you wear gloves mask and apron when using the acrylic bending machine.



RULES & RESTRICTIONS

- No more than two people around the acrylic bending machine.
- Avoid making contact with any components of the acrylic bending machine.
- **DO NOT** make adjustments while the machine is operating.
- Care should be taken when using sharp tools. Sharps should be disposed of in a sharps bin.
- Avoid making contact with any components of the acrylic bending machine.
- Monitor the state of wires and connections every month.
- Users are advised to take regular breaks.

IN CASE OF INJURY

- Lacerations should be reported to the facility manager.
- Any burns should be irrigated immediately with copious amounts of cold running water.
- A first aid box is available in the area.



USE THE EQUIPMENT AS INSTRUCTED



SHARP OBJECTS AND MATERIAL



HAZARDOUS SUBSTANCES



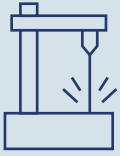
HIGH RISK OF FIRE



AVOID CONTACT WITH HOT SURFACES



ELECTRIC SHOCK RISK



MEMBERS PROTECTIVE EQUIPMENT & PRACTICES FOR THERMO CUTTING MACHINE



EYE PROTECTION

Safety glasses should be used when using the thermo cutting machine.



GLOVES & APRON

Make sure that you wear gloves mask and apron when using the thermo cutting machine.



RULES & RESTRICTIONS

- No more than two people around the thermo cutting machine.
- No more than two people around the thermo cutting machine.
- Avoid making contact with any components of the thermo cutting machine.
- **DO NOT** make adjustments while the machine is operating.
- Care should be taken when using sharp tools. Sharps should be disposed of in a sharps bin.
- Monitor the state of wires and connections every month.
- Users are advised to take regular breaks.
- LEV should be provided where harmful fumes are produced.
- Normal room ventilation is usually sufficient.

IN CASE OF INJURY

- Lacerations should be reported to the facility manager.
- Any burns should be irrigated immediately with copious amounts of cold running water.
- A first aid box is available in the area.



USE THE EQUIPMENT AS INSTRUCTED



HAZARDOUS SUBSTANCES



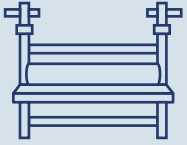
AVOID CONTACT WITH HOT SURFACES



HIGH RISK OF FIRE



ELECTRIC SHOCK RISK

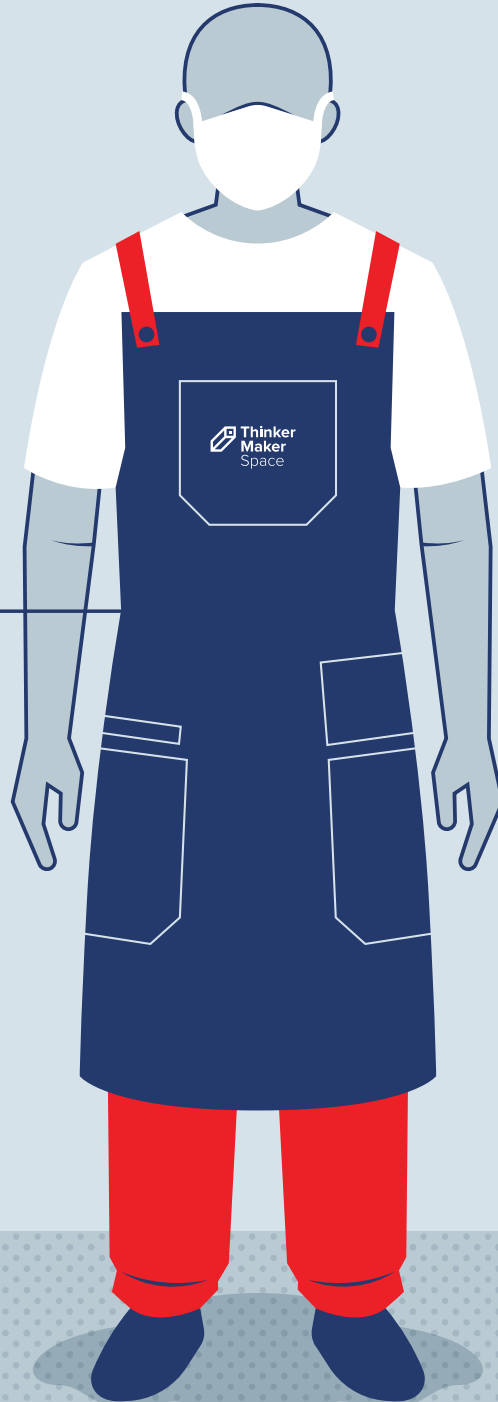


MEMBERS PROTECTIVE EQUIPMENT & PRACTICES FOR DOUBLE DRUM PRESS



APRON

Make sure that you wear an apron when using the double drum press.



RULES & RESTRICTIONS

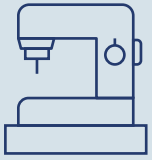
- No more than two people around the double drum press.
- Avoid making contact with any components of the double drum press.
- **DO NOT** make adjustments while the machine is operating.
- Care should be taken when using sharp tools. Sharps should be disposed of in a sharps bin.
- Users are advised to take regular breaks.
- The operator hands must be placed on the handles when using the machine to remove the risk of trapping.

IN CASE OF INJURY

- Notify the staff.
- Lacerations should be reported to the facility manager.
- A first aid box is available in the area.



USE THE
EQUIPMENT AS
INSTRUCTED



MEMBERS PROTECTIVE EQUIPMENT & PRACTICES FOR SEWING MACHINE



EYE PROTECTION

Safety glasses should be used when using the sewing machine.



APRON

Apron should be worn when using sewing machine.



RULES & RESTRICTIONS

- No more than two people around the sewing machine.
- Avoid making contact with any components of the sewing machine.
- **DO NOT** make adjustments while the machine is operating.
- Care should be taken when using sharp tools. Sharps should be disposed of in a sharps bin.
- Monitor the state of wires and connections every month.
- Users are advised to take regular breaks and stand up to get blood flowing again.

IN CASE OF INJURY

- Notify the staff.
- Lacerations should be reported to the facility manager.
- A first aid box is available in the area.



USE THE EQUIPMENT AS INSTRUCTED



SHARP OBJECTS AND MATERIAL



ELECTRIC SHOCK RISK