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| Fixed Static Plant_SOP  **HYDRAULIC PRESS** | |
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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. | ApronClose fitting protective clothing or overalls are encouraged. |
| Foot Protection circleAppropriate protective footwear with substantial uppers must be worn. | **Prohibition circle**Rings and jewellery must NOT be worn in ITD practical workspaces. |

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

1. **Ensure you are familiar with the operation of the hydraulic press.**
2. **Check for any hydraulic fluid leaks.**
3. **The press table must be clean and steel weights are flat and secure on press table.**
4. **Any forming die or cutting die must be inspected for safe use i.e. no cracks.**
5. **Ensure safety glasses or goggles are available and are worn by all persons in the vicinity.**
6. **Any test piece, project or material (work piece) to be pressed must be of an appropriate thickness and safe to use on this equipment.**
7. **Faulty equipment must not be used. Immediately report suspect machinery.**

OPERATIONAL SAFETY CHECKS

1. **Place your test piece, project or material (work piece) securely on the press table.**
2. **Ensure the pressure valve is closed before operation.**
3. **Use the press handle, in a pumping action, to slowly lower the press hammer.**
4. **Use your shoulder muscles when operating – NOT your lower back.**
5. **Keep hands and fingers away from all clamping and moving parts.**
6. **Carefully and accurate alignment the press hammer face with the work piece for even force to be applied.**
7. **Once the press hammer makes contact with the work piece, closely watch the PSI gauge and note the pressure applied.**
8. **Once the work piece is pressed sufficiently, release the hammer pressure at the release valve.**
9. **DO NOT apply excessive force with the press.**

HOUSEKEEPING

1. **After use, clean the press down and return any tools and equipment to the appropriate storage areas – including the press handle.**
2. **Place all scrap or waste in the appropriate bin.**

## POTENTIAL HAZARDS

## ◼ Beware of high forces applied ◼ Eye injuries – flying or shattering objects

## ◼ Pinch and squash ◼ Laceration injuries

## ◼ Potentially uneven forces being applied to the work piece

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