

# SAFE WORK INSTRUCTION

## FOUNDRY

### PERSONAL PROTECTIVE EQUIPMENT



Close fitting / protective clothing to cover arms and legs must be worn.



Safety footwear must be worn.



Close fitting / protective clothing must be worn.



Face shield must be worn.



Oil free leather gloves and spats must be worn.

### POTENTIAL RISKS

- ❗ Burns
- ❗ Fire
- ❗ Flying sparks

### DON'Ts

- ✗ Don't use faulty equipment
- ✗ Don't touch foundry and crucible with bare hands

### PRE-OPERATIONAL SAFETY CHECKS

- ✓ A technician needs always to be present during all the operations.
- ✓ Check the material is correctly loaded in the crucible.
- ✓ Check that the foundry is correctly closed.
- ✓ Always use a face shield to look into the foundry to check melting stage.
- ✓ Ensure the area is free from flammable materials.
- ✓ Ensure that the crucible is clean before putting in new metal.
- ✓ Ensure not to overheat the material
- ✓ Ensure you have all the tools in place
- ✓ Ensure the mould is safely positioned in the sand pit.
- ✓ Ensure the extractor is on.
- ✓ Ensure the roller door is open

### OPERATIONAL SAFETY CHECKS

- ✓ Ensure that operators use all the protective equipment
- ✓ Switch off the foundry before opening it

### ENDING OPERATIONS AND CLEANING UP

- ✓ Pour the leftover metal in the ingot mould.
- ✓ Switch of the ventilation.
- ✓ Let the area cool and close the roller door.
- ✓ Leave the area clean and tidy.

This Safe Work Instruction does not necessarily cover all possible hazards associated with this equipment and should be used in conjunction with other references. It is designed as a guide to be used to compliment training and as a reminder to users prior to equipment use

