# Safe Work Instruction

## Spot Welder

### Personal Protective Equipment

| Safety Glasses must be worn at all times. | Safety Footwear must be worn. | Long or loose hair must be contained. |
| Close fitting / protective clothing must be worn. | Oil free leather gloves and spats must be worn. | Rings and jewellery must not be worn. |

### Potential Risks

- Electrodos become hot with continued use.
- Burns.
- Hot metal.
- Spitting metal or flying sparks.
- Eye injuries.

### Don’ts

- Do not use faulty equipment. Immediately report suspect equipment to your supervisor.

### Pre-Operational Safety Checks

- Check workspaces and walkways to ensure you have not created slip/trip hazards.
- Check switchgear and cable are in sound condition.
- Check electrode points are in good condition and meet exactly.
- Ensure electrodes are securely mounted and clean from contaminants.
- Set pressure on clamps to hold work securely without damaging work.
- Pre-set weld time under your supervisor’s direction (if timer fitted).
- Use gloves to position and hold work.

### Operational Safety Checks

- Ensure the spot welder has cooled before making any adjustments.
- Avoid prolonged use, as this can cause heat to build up in the electrodes and arms.
- When holding work, be aware of the heat created during welding process.
- Ensure work return earth cables make firm contact to provide a good electrical connection.

### Ending Operations and Cleaning Up

- Switch off the machine when work completed.
- Leave the work area in a safe, clean and tidy state.