

SAFE OPERATING PROCEDURES

MIG Welder

workers must read this important information before using the equipment

Have you received instruction on the safe use & operation of this equipment?

Do you have permission to use this equipment?



Approved safety glasses *must* be worn at all times in addition to a welding helmet.



Appropriate footwear with substantial uppers and rubber soles *must* be worn.



Protective welding helmet with the correct grade of UV lens for MIG *must* be worn.



Protective leather welding gloves *must* be worn when using this equipment.



Close fitting protective clothing or overalls, a leather apron & spats *must* be worn.



Rings & jewellery should **NOT** be worn when using any welding equipment.

PRE-OPERATIONAL SAFETY CHECKS

1. Ensure this MIG welder has a suitable safe work area.
2. Keep the area clean & free of grease, oils & flammables.
3. Ensure others are protected from any UV flash.
4. Ensure the area is well ventilated (with fume extraction).

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OPERATIONAL SAFETY CHECK

Never operate a faulty Electrical Power Tool
– Report it to your manager –

1. Ensure the machine is correctly set up for current, voltage, wire feed and shielding gas flow rate.
2. Ensure that other workers in this locality are protected from any UV & IR radiation flash. Always close the UV curtain to the welding bay or erecting a UV screen.
3. Ensure the welding return cable (earth) makes firm contact to provide a good electrical contact.
4. Ensure the workpiece has been prepared to be free of any paint, oxides or other surface finishes ensuring a good electrical contact.
5. Take particular care to avoid accidental UV welding flash to the skin or eyes.
6. Never leave the MIG welder running unattended.
7. Regularly inspect the welding tip and shield for damage.
8. When welding is finished or interrupted, turn off the shielding gas at the regulator, turn off the machine and secure the handpiece safely.

Work area must be dry to avoid electric shock

HOUSEKEEPING

1. Close the shielding gas bottle valve and regulator.
2. Ensure the welder and fume extraction are switched off.
3. Hang up the welding gun and hoses securely.
4. Leave the work area and welding bench in a safe, clean, & tidy condition.

POTENTIAL HAZARDS AND RISKS

- Cuts & lacerations
- Electricity & electric shock
- Burns due to hot, molten materials
- Flying sparks
- UV radiation to skin & eyes
- Toxic fumes
- Fire