

Oxford S-MIG

Synergic separate wire feed range 270-470 Amps 3 phase & 1 phase

The Oxford S-MIG range of MIG welding machines are built in Great Britain to the same high standards that Oxford machines are internationally renowned for. With a history dating back over 50 years, British made Oxford welding machines are known for simple rugged build, high reliability with a long life span and excellent welding performance.

The Oxford S-MIG range is different from any other MIG package available today. During design & development we looked carefully at all faults & issues that occur with competitors MIG machines, the result is a unique range of machines that are very rugged & user friendly.

For instance, MIG wire feed units get lots of abuse and are always the weakest link in a MIG package. Some feed units are large, heavy & clumsy. Cables & connectors on the rear fail, PCBs get damaged, panels get bent and some even use plastic wire feed systems.

The Oxford S-MIG wire feed units are different. We have a really compact & strong case design, the cables are really securely fixed into the feed unit (we have pull tested them to 200kg with no damage) and no electronics at all are fitted in the wire feed unit, we fit the PCB in the power source for best reliability. We only use all metal feed systems. These machines feature synergic control. This means the wire speed increases as the welding voltage increases, so once the wire speed control is set, changing the output voltage setting will change the wire speed automatically and no further adjustment of wire speed is normally necessary. This makes setting up the machine very simple.

Today, power consumption is an important factor, so we have designed these machines to be more electrically efficient than other brands with an unbeatable standby power as low as 25 watts & main transformer efficiencies of over 90% so you can be sure running costs are as low as possible.

At the heart of every Oxford MIG power source is a substantial copper wound transformer fitted with robust rotary switches with metal shafts and an overrated rectifier to give unbeatable durability.



Standard models and suggested application

Three phase 400V models

S-MIG 270-3 + S-MIG 2x2 2 roll feeder + 5M intercon - light to medium fabrication, maintenance work, medium agricultural work
S-MIG 330-3 + S-MIG 4x4 4 roll feeder + 5M intercon - medium duty fabrication, maintenance work, medium to heavy agri welding.
S-MIG 410-3 + S-MIG 4x4 4 roll feeder + 5M intercon - medium to heavy duty fabrication.
S-MIG 470-3 + S-MIG 4x4 4 roll feeder + 5M intercon - heavy duty steel fabrication.

Single phase 230V models

S-MIG 270-1 + S-MIG 2x2 2 roll feeder + 5M intercon - light to medium fabrication, maintenance work, medium agricultural work
S-MIG 330-1 + S-MIG 4x4 4 roll feeder + 5M intercon - medium duty fabrication, maintenance work, medium to heavy agri welding
S-MIG 410-1 + S-MIG 4x4 4 roll feeder + 5M intercon - medium to heavy duty fabrication.

Different specs & models are readily available

- **British made with a no compromise approach to design & build quality.**
- **Synergic control so very user friendly, just pull the trigger & weld.**
- **Oxford CAP+ technology ensures excellent weld starts and a very smooth stable weld with minimal spatter.**
- **Heavy duty, compact & rugged wire feed unit built on a 2.5mm steel chassis (weighs only 9kg and nearly unbreakable)**
- **Robust gas bottle carrier & bracket with chain suitable for all sizes of bottle.**
- **Designed for MIG welding mild steel, stainless steel, aluminium etc.**
- **Good range of voltage steps on all models to get that perfect setting.**
- **All metal geared wire drive system ensures strong wire feeding of all sizes & types of wire.**
- **Powerful 90 watt wire drive motor fitted in the feed unit.**
- **Copper wound main transformer with overload protection for the longest life & highest efficiency.**
- **Electrically efficient design means less electric wasted & lower operating cost.**
- **Industry standard torch Euro connector with all brass construction.**
- **Robust PCB fitted in power source to precisely control motor speed & all functions including burn back etc.**
- **Torch trigger latching fitted on all models.**
- **Powder coated strong steel case with a substantial 2.5mm thick chassis fitted with quality wheels & castors.**
- **Built to comply with BS EN60974-1, BS EN50199, RoHS directive, CE marked & Weee registered.**
- **The Oxford guarantee! 2 years warranty with 5 years on main transformer, 20 years minimum parts availability.**

PTO for full technical specification

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Technical specifications Oxford S-MIG three phase models				
Model	270-3	330-3	410-3	470-3
Supply voltage	400V	400V	400V	400V
Welding range (amps)	30-270	30-330	40-410	40-470A
Duty cycle 60% @	190A	250A	350A	410A
Duty cycle 45% @	220A	290A	400A	470A
Voltage steps	16	20	30	30
Fuse rating slow blow	16A	16A	20A	32A
Total weight approx	80kg	100kg	115kg	125kg
Wire feeder	S-MIG 2x2	S-MIG 4x4	S-MIG 4x4	S-MIG 4x4
MIG wire range	0.6-1.2mm	0.6-1.2mm	0.6mm-1.6mm	0.6mm-1.6mm
Inductance settings	1	1	2	2
Torch trigger latching	Standard	Standard	Standard	Standard
Work lead (earth)	3M	3M	3M	3M
Mains input lead	3M rubber	3M rubber	3M rubber	3M rubber
Digital Amp/Voltmeter	Optional	Optional	Optional	Optional
Wire spool cover	Optional	Optional	Optional	Optional
Intercon lead length all models 5M standard, options for 10M, 15M, and 20M.				

Technical specifications Oxford S-MIG single phase 230V models			
Model	270-1	330-1	410-1
Supply voltage	230V	230V	230V
Welding range (amps)	30-270	30-330	40-410
Duty cycle 60% @	190A	250A	350A
Duty cycle 45% @	220A	290A	400A
Voltage steps	16	16	24
Fuse rating slow blow	20/32A	32A	32/45A
Total weight approx	80kg	100kg	115kg
Wire feeder	S-MIG 2x2	S-MIG 4x4	S-MIG 4x4
MIG wire range	0.6-1.2mm	0.6-1.2mm	0.6mm-1.6mm
Inductance settings	1	1	2
Torch trigger latching	Standard	Standard	Standard
Work lead (earth)	3M	3M	3M
Mains input lead	3M rubber	3M rubber	3M rubber
Digital Amp/Voltmeter	Optional	Optional	Optional
Wire spool cover	Optional	Optional	Optional
Intercon lead length - all models 5M standard, options for 10M, 15M, and 20M.			

Different specification models are also available just ask.

We reserve the right to make changes to the technical specification where necessary

Investing in an Oxford welder is & always has been your guarantee of a quality product at a fair price & with the best back up.

The Oxford guarantee! 2 years warranty with 5 years on main transformer, 20 years minimum parts availability

All Oxford welding machines are sold & supported by selected knowledgeable welding distributors across the UK and Ireland, export enquiries are welcome.

Website www.oxfordwelders.co.uk