

Oxford MIG Welding Machines

MIGMAKER range 180 Amp to 330 Amp single & three phase models

With a history dating back over 50 years British made Oxford welding machines are internationally renowned as one of the best in the industry. They are known for simple rugged build, high reliability with a very long life span & excellent welding performance.

These British made Oxford MIG machines are of course built to the same standards using the highest quality components throughout. At the heart of every Oxford MIG is a substantial copper wound transformer fitted with robust rotary switches & an overrated rectifier to give unbeatable durability. All models are fitted with an industrial wire feed system & motor to guarantee virtually unstoppable feeding of all wires.

Welding performance is superb: Our CAP+ technology ensures excellent arc starts & very smooth almost spatter free welding: Models up to the 240-1 have a unbeatable 20 amps min current to help prevent burn through on thin metal such as automotive panels.

These machines are designed to be more electrically efficient than other brands with an unbeatable standby power of just 25 watts & main transformer efficiencies of over 90%.

Single phase models

MIGMAKER 180-1 230V ideal for automotive, light fabrication & maintenance

MIGMAKER 200-1 230V ideal for automotive, light fabrication & maintenance

MIGMAKER 240-1 230V ideal for automotive, fabrication & light agricultural work

MIGMAKER 270-1 230V fabrication & maintenance, medium agricultural work

MIGMAKER 330-1 230V fab & maintenance medium to heavy agricultural welding

Three phase models

MIGMAKER 270-3 400V fabrication & maintenance, medium agricultural work

MIGMAKER 330-3 400V fab & maintenance medium to heavy agricultural welding



- *British made product with a no compromise approach to design & build quality.*
- *Heavy duty wire spool holder for 15kg or 5kg wire reels with mechanical brake to prevent overrun.*
- *Robust gas bottle carrier, holder & chain suitable for all sizes of bottle.*
- *Designed for MIG welding mild steel, stainless steel & aluminium.*
- *Oxford CAP+ technology ensures excellent weld starts & a very smooth stable weld.*
- *Good range of voltage steps on all machines with 20A min current on models for automotive work.*
- *Models 180-1, 200-1, 240-1 feature semi-synergic control so are very easy to set up & use.*
- *All metal geared wire drive system ensures perfect wire feeding of all sizes & types of wire.*
- *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 to precisely control motor speed & all functions including burn back etc.*
- *Powder coated strong steel case with a substantial chassis fitted with quality wheels & castors.*
- *Built to comply with BS EN60974-1, BS EN50199, RoHS directive, & CE marked.*
- *Options for reverse polarity to use gasless wire, other options include spot timer & trigger latching.*
- *Front panel controls are protected from knocks by lid & side panel overhang.*

Standard functions single phase models 180-1, 200-1, 240-1

Infinitely variable wire feed speed with semi-synergic control, built in motor brake & burn back.

Options: Reverse polarity function for running gasless wire, spot weld timer

Standard functions single phase models 270-1, 330-1 & three phase models 270-3, 330-3

Infinitely variable wire speed control, built in electronic motor brake & burn back with internal adjustment

Options: Torch trigger latching, reverse polarity function for running gasless wire

Oxford MIG Welding Machines

Technical specifications Oxford MIGMAKER single phase models

Model	180-1	200-1	240-1	270-1	330-1
Supply voltage	230V	230V	230V	230V	230V
Welding range (amps)	20-180	20-200	20-240	30-270	30-330
Duty cycle - 35% @	110 amps	130 amps	180 amps	250 amps	330 amps
Duty cycle - 60% @	85 amps	100 amps	140 amps	190 amps	250 amps
Voltage steps	6	12	12	16	16
MIG wire range	0.6-0.8mm	0.6-1.0mm	0.6-1.2mm	0.8-1.2mm	0.8-1.2mm
Fuse rating slow blow	13A	13A/16A	16A	20/32A	32A
Size app (ex rear wheels)	350Wx720Lx570H	350Wx720Lx570H	350Wx720Lx580H	350Wx720Lx650H	350Wx720Lx650H
Weight approx	48kg	53kg	60kg	70kg	88kg

Technical specifications Oxford MIGMAKER three phase models

Model	270-3	330-3
Supply voltage	400V	400V
Welding range (amps)	30-270	30-330
Duty cycle - 35% @	250 amps	330 amps
Duty cycle - 60% @	190 amps	250 amps
Voltage steps	16	20
MIG wire range	0.6-1.2mm	0.6-1.2mm
Fuse rating slow blow	16A	16A
Size app (ex rear wheels)	350Wx720Lx650H	350Wx720Lx650H
Weight approx	72kg	89kg

All Oxford MIG machines come with a 3M mains input lead, 3M work lead, 1.5M gas hose

Every Oxford welding machine is offered with the following guarantees:

2 year warranty all items

5 year main transformer warranty (the heart of the machine)

20 year minimum guarantee of spares availability

Different specification models are also available just ask.

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

All Oxford welding machines are sold & supported by selected knowledgeable welding distributors across the UK & Ireland.

OXFORD PLASMA & TIG models available soon

Website www.oxfordwelders.co.uk



Oxford I-MIG

Industrial compact MIG range 330 - 470Amp 1 phase & 3 phase

The Oxford I-MIG range of compact MIG welders has been developed for industrial applications where the user requires the best welding performance, a high output with good duty cycle, strong wire feeding & an all-round general ruggedness.

Like all Oxford machines, these are manufactured here in Great Britain. With a history dating back over 50 years, Oxford welding machines are known around the world for simple rugged build, high reliability with a long life span and excellent welding performance. 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. The I-MIG range all come standard with a 4 roll all metal wire drive system for the very best wire feeding. All Oxford machines are designed to be very energy efficient, standby power is as low as 25 watts & efficiencies typically around 90%. This all means we can give you more welding output from your mains supply & keep your running costs as low as possible. The single phase models feature our CAP+ technology to give you superior welding performance, similar to that of three phase models. All models feature a good range of voltage steps so you can get the perfect setting for each job. Welding wire sizes are from 0.6mm-1.6mm depending on the model. These models can be used for welding on many different materials including mild steel, stainless steels & aluminium. The Oxford I-MIG range includes an option for a calibrated digital meter to display welding parameters, this is increasingly required in manufacturing environments, and the latest CE standards for fabrication require this as do many quality systems. We can also supply this in kit form for adding at a later date if required.



Standard models and suggested application

Single phase 230V models

- I-MIG 330-1**, c/w 4 roll drive, medium duty fabrication, maintenance work, medium to heavy agricultural welding.
- I-MIG 360-1**, c/w 4 roll drive, as above model but with higher duty cycle & more amps!
- I-MIG 410-1**, c/w 4 roll drive, medium to heavy duty fabrication & repair work, the ultimate 230V compact MIG!

Three phase 400V models

- I-MIG 330-3**, c/w 4 roll drive, medium duty fabrication, maintenance work, medium to heavy agricultural welding.
- I-MIG 410-3**, c/w 4 roll drive, medium to heavy duty fabrication & repair work.
- I-MIG 470-3**, c/w 4 roll drive, heavy steel fabrication & repair.

- **British made with a no compromise approach to design & build quality.**
- **Powder coated strong steel case with a substantial 2.5mm thick chassis fitted with quality wheels & castors.**
- **Oxford CAP+ technology ensures excellent weld starts and a very smooth stable weld with minimal spatter.**
- **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 4 roll wire drive system with 90 watt motor ensures strong wire feeding of all sizes & types of wire.**
- **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 to precisely control motor speed & all functions & includes adjustable burn back.**
- **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



Oxford I-MIG

Industrial compact MIG range 330 - 470Amp 1 phase & 3 phase

Technical specifications Oxford I-MIG single phase 230V models

Model	330-1	360-1	410-1
Supply voltage	230V	230V	230V
Welding range (amps)	30-330	30-360A	40-410
Duty cycle 60% @	250A	300A	350A
Duty cycle 45% @	290A	360A	400A
Voltage steps	16	24	24
Fuse rating slow blow	32A	32/45A	32/45A
Size approx. all models (excludes width of rear wheels but includes length of bottle carrier)	W=360mm, H=660mm, L=820mm		
Total weight approx	82kg	94kg	105kg
Wire feed system	4 roll	4 roll	4 roll
MIG wire range	0.6-1.2mm	0.6-1.2mm	0.6mm-1.6mm
Work lead (earth)	3M	3M	3M
Mains input lead	3M rubber	3M rubber	3M rubber
Digital Amp/Voltmeter	Optional	Optional	Optional
Torch trigger latching	Optional	Optional	Optional

Need something special such as longer cables or different function? Please ask.

Technical specifications Oxford I-MIG three phase models

Model	330-3	410-3	470-3
Supply voltage	400V	400V	400V
Welding range (amps)	30-330	40-410	40-470A
Duty cycle 60% @	250A	350A	410A
Duty cycle 45% @	290A	400A	470A
Voltage steps	20	30	30
Fuse rating slow blow	16A	20A	32A
Total weight approx	84kg	95kg	115kg
Size approx. all models (excludes width of rear wheels but includes length of bottle carrier)	W=360mm, H=660mm, L=820mm		
Wire feed system	4 roll	4 roll	4 roll
MIG wire range	0.6-1.2mm	0.6mm-1.6mm	0.6mm-1.6mm
Work lead (earth)	3M	3M	3M
Mains input lead	3M rubber	3M rubber	3M rubber
Digital Amp/Voltmeter	Optional	Optional	Optional
Torch trigger latching	Optional	Optional	Optional

Need something special such as longer cables or different function? Please ask.

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 unbeatable Oxford guarantee!

2 year warranty, with 5 years on main transformer, 20 years 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



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 360-1 + S-MIG 4x4 4 roll feeder + 5M intercon - as above machine but more power & higher duty cycle
S-MIG 410-1 + S-MIG 4x4 4 roll feeder + 5M intercon - medium to heavy duty fabrication, the ultimate in single phase MIG!

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



Oxford S-MIG

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

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	360-1	410-1
Supply voltage	230V	230V	230V	230V
Welding range (amps)	30-270	30-330	30-360A	40-410
Duty cycle 60% @	190A	250A	300A	350A
Duty cycle 45% @	220A	290A	360A	400A
Voltage steps	16	16	24	24
Fuse rating slow blow	20/32A	32A	32/45A	32/45A
Total weight approx	80kg	100kg	108kg	115kg
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	0.6-1.2mm	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.				

Different specification models are also available just ask.

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

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