

**2025 updated range -  
More performance +  
more features +  
smart appearance**

# OXFORD traditional transformer MIG MIGMAKER 180-300A models

**No nonsense transformer MIG machines designed for light to medium duty welding jobs, factory maintenance, farm welding jobs, gates & railings, estate workshops, vehicle repair, etc.**

## Main Functions & features for all models.

- MIG - mild steel, stainless steel, aluminium, hardox etc.
- Reverse polarity - allows MIG/MAG welding with gas or without gas using flux cored wire.
- Synergic operation - wire speed automatically increases as you increase the output - simpler to set.
- All models start as low as 20A / 0.5mm material.
- Heavy duty spool holder takes 15kg & 5kg reels.
- Robust galvanised chassis with gas bottle carrier suitable for all sizes of bottle.
- Cast aluminium wire drive system with all metal gears.
- Copper wound main transformer.
- Fan cooling on all models.
- Double overload protection.
- Electrically efficient design = low cost welding.
- Industry standard torch brass Euro connector.
- Simple robust PCB fitted.
- Spot timer function included.
- Burnback circuit prevents wire sticking to work.
- Fitted with mains input plug.
- Quality wheels & castors fitted.
- Generator friendly & runs without failure on unstable or poor mains input & long extension cables.
- IP23S protection, can be used outdoors with basic protection from bad weather.



**All models only available in 230V 1 phase & now fitted with a plug ready to work.**

## Specifications – standard models

Model	182	202	252	302
<b>Amperage range</b>	20-180A max	20-200A max	20-250A max	20-300A max
<b>Voltage steps</b>	4	8	12	12
<b>OCV (no load volts)</b>	17-34	17-36V	17-38V	17-42V
<b>Input current leff</b>	11.5A	13.5A	19A	31A
<b>Duty cycle @ rated output</b>	20%@150A/21V	20%@170A/22V	25%@220A/25V	35%@270A/27V
<b>Weld smoothing devices.</b>	Reactive smooth inductor	Smoothing capacitors + reactive inductor	Smoothing capacitors + reactive inductor	Smoothing capacitors + reactive inductor
<b>Input current leff</b>	11.5A	13.5A	19A	31A
<b>Recommended fuse (D type)</b>	16A (13A*)	16A (13A*)	32A (16/13A*)	32A (16/13A*)
<b>Min generator**</b>	3KVA	3.5KVA	5KVA	6.5KVA
<b>Weld wire range</b>	0.6-0.8mm	0.6-0.8mm	0.6-1.0mm	0.6-1.0mm
<b>Weight approx</b>	44kg	45kg	50kg	58kg
<b>Ideal applications</b>	Home workshops, automotive, light sheet fab, light box & tube, maintenance.	Automotive, light sheet fabrication, light box & tube work, maintenance welding.	Automotive, sheet fabrication, box & tube work, gates & railings, light farm repairs etc.	Automotive, general fabrication, heavier gates, trailers & up to medium farm welding.

\*All models will run at reduced output from a smaller capacity supply such as a 16A or 13A.

\*\*Min generator is for up to 75% output power, for full welding capacity increase generator size by 60-70%

Size for all models with wheels fitted - 610mm high x 760mm long x 350mm W (460mm width at rear axle).

All comply with BS IEC60974-6, BS IEC60974-10, WEE/HD0071UZ, RoHS compliant, UKCA & CE compliant.

**Standard supply – 2.5m mains input cable with plug, 2.5m work lead, gas hose, undercarriage with wheels & gas bottle holder.**

**PTO for further info**

**UK  
CA**

**CE**



# OXFORD traditional transformer MIG

## MIGMAKER 180-300A models

### Further info

OXFORD MIGMAKER models are all made in the UK using copper wound transformers & simple technology. Built rugged & robust to give you a lifetime of reliable use.

2025 models offer even more than before & now look as smart as they perform!

Spot timer function is now standard on all, a hinged door to the left side provides access to the wire drive compartment, this also includes a tool storage area. An updated PCB & wire feed gives a higher torque & more consistent wire drive than any previous MIGMAKER to date. The wire drive motor & gearbox is made using all metal gears & bearings for a long life. All models use our standard 30mm wire feed rollers FEC..... All sizes from 0.6mm-1.2mm available for hard wire, aluminium wire & flux cored wire. Like our older models these start at 20 amps, all MIGMAKER models tackle the thinnest material from 0.5mm without blowing through, even rusted panels & exhausts are welded with ease.

### MIGMAKER 182

Great smooth welding performance from our smallest model. Ideal for home workshops, car repairs, light fabrication & repairs. The 4 volt steps are carefully selected to cover the output range well. number 1 setting is suitable for the thinnest metal from 0.5mm to around 1.2mm, number 2 setting is only a little higher to cover the range 1.2mm-3mm, number 3 setting is ideal for 2.5mm-4mm & number 4 setting 4mm upwards. This machine has plenty of power for occasional 5-6mm welding jobs.

Fitted with a blue \*16A plug standard (13A plug can be specified on request).

### MIGMAKER 202

Super smooth welding performance. Ideal for home workshops, car repairs, light fabrication & repairs, small gates & railings. With 8 volt steps the output range can be regulated very precisely to suit the application. The lower voltage settings are chosen with only small gaps, number 1 setting allows welding of very thin sheet from 0.5mm, number 2 is only a little higher, number 3 only a little more again. The voltage output step increases towards the top end where it's not so important for precise control. This machine has plenty of power for occasional 6-8mm welding jobs.

Fitted with a blue \*16A plug standard (13A plug can be specified on request).

### MIGMAKER 252

Super smooth welding performance & plenty of punch for thicker material. Ideal for automotive work, fabrication & repair jobs, gate & railings, light farm repairs. With 12 volt steps the output range offers precise regulation. As with all our models the lower voltage settings are chosen with only small gaps, number 1 setting allows welding of very thin sheet from 0.5mm, number 2 is only a little higher, number 3 only a little more again. The voltage output step increases towards the top end where it's not so important for precise control. This machine has plenty of power for occasional 8-10mm welding jobs.

Fitted with a blue \*32A plug standard (16A plug can be specified on request).

### MIGMAKER 302

Our most powerful machine in the range. Super smooth welding performance & lots of power for heavier jobs without compromising the ability to weld the thinnest material. Ideal for automotive work, fabrication & repair jobs, gate & railings & medium farm repair work. With 12 volt steps the output range provides fantastic regulation. As with all our models the lower voltage settings are carefully chosen with only small gaps, number 1 setting allows welding of very thin sheet from 0.5mm, number 2 is only a little higher, number 3 only a little more again. The voltage output step increases towards the top end where it's not so important for precise control. This machine has plenty of power for occasional 12mm welding jobs.

Fitted with a blue \*32A plug standard (16A plug can be specified on request).

*\*Standard plug fitted is to comply with short circuit tests in IEC60974-6. On request we will fit a smaller plug but it may result in occasional fuse or circuit breaker operation at high output power.*

### Options available at time of order

Longer cables	Mains plug type		
---------------	-----------------	--	--

### Accessories available anytime.

MIG torches, 3M or 4M	Universal spool gun for superior aluminum welding	Wire drive rollers for any size
-----------------------	---	---------------------------------

**Investing in an Oxford welder has been your guarantee of a quality product with the best back up.**

**Our long term back up is the best in the industry. 2 year warranty all items, 5 year main transformer warranty (the heart of the machine), 20 year guarantee of spares availability.**

Further info at [www.oxfordwelders.co.uk](http://www.oxfordwelders.co.uk)