



PROF-MIG 160A to 250A MIG range

All PROF-MIG machines are carefully designed & manufactured in Great Britain, to the very highest standards. These models are ideal for all light to medium welding applications including automotive repair & fabrication, general maintenance & repair work, fabrication of sheet metal & tubular products, gates & railings, sculptures, etc. At the heart of each machine is a copper wound transformer with industrial switches. We fit a powerful European wire drive motor & other quality parts all built into a powder coated heavy gauge steel case which can withstand lots of abuse. Every model has been tuned to give a smooth stable weld every time you press the switch. Simple yet rugged design means reliability & serviceability on these models is the best in the industry. Compare our PROF-MIG range to cheaper imported machines & you will see why these are so popular, in fact these models have become the leading range of small MIG welders in the UK market with over 10,000 units in use by 2014.

Main features

- 6 or 12 volt steps for very fine adjustment of power.
- Very low min of 20amps ideal for very thin material.
- Welds mild steel, stainless steel, aluminium & alloys.
- Super smooth welding right through the range.
- 100% copper wound transformer with 5 year warranty.
- High efficiency design for low electric consumption.
- Variable wire speed synchronised to output for easy setting.
- Built in electronic burn back.
- Industry standard Euro torch connection.
- Wire size 0.6, 0.8 or 1.0 mm on 15kg or 5 kg spools.
- High power European made wire drive motor.
- All models are fan cooled.
- Very strong metal chassis & case.
- Takes full sized gas cylinders or smaller sizes.
- Higher duty cycle than most competitors machines.
- Volt switches have metal shafts not plastic like competitors.



Options include, 110 volt MIG versions and 400 volt versions available, spot timer option, reverse polarity option for gasless wires, spool on gun option, digital meter option, HD (heavy duty) option. MIG torch options. Other functions and specs are available on request.

Specification 230v 1 phase	161	181	211	231	251
Amps range	20-160A	20-185	20-215	20-235	25-255
Volt steps	6	12	12	12	12
OCV range (no load volts)	16-30V	16-33V	16-36V	16-39V	17-42V
Duty cycle @100%	60A	70A	95A	105A	115A
Duty cycle @60%	75A	90 A	120A	135A	145A
Duty cycle @35%	100A	120A	155A	175A	190A
Input fuse for full power	13A	16A	20A	25A	32A
Input fuse up to ¾ power	13A	13A	13A	16A	16A
Recommended min generator size	4.5KVA	5.5KVA	6KVA	8KVA	10KVA
Welding wire	0.6/0.8	0.6/0.8	0.6-1.0	0.6-1.0	0.6-1.0
Approx. weight	40kg	48kg	55kg	58kg	61kg

Size all models approx. 530mm H x 740mm long x 360mm W (+ extra 65mm each side for rear wheels)
All models comply with BS EN60974-1, BS EN50199, WEE/HD0071UZ
All models come with mains input lead, work lead, gas hose. MIG torch is optional.

We guarantee to fully support these machines with spares & service for a minimum of 20 years.
'Invest in the best' quality made British welding equipment