

## TECARC MIG WELDING MACHINES

**Separate wire feed range with open spool or totally enclosed wire feed unit  
300 to 600 AMP**

**A heavy duty range of MIG welding machines designed for all industrial welding applications.**

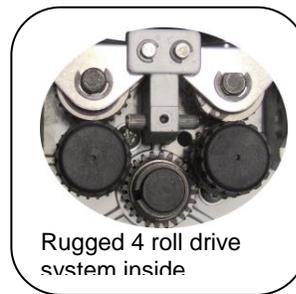
These machines are designed and manufactured in Great Britain using high quality components to industrial standards. These models offer the user the very best welding performance with minimal spatter and a soft stable arc throughout the range. At the heart of every machine is a large copper wound transformer & other heavy duty components all constructed in a robust powder coated steel case. Power consumption of these models is kept very low with no load power of around 120W & typical efficiencies around 90% this is better than most other transformer based MIG machines and virtually equal to inverter machines so you can be sure of the lowest running costs.

We firmly believe in keeping things simple so we only include features & functions that you need to weld & keep welding for many years!

**The result is a range of MIG machines that are the most solid & reliable you can buy.**

**Main features**

- Good range of volt steps for very fine adjustment of power
- Super smooth welding characteristics through the range.
- 100% copper wound transformer with 5 year warranty.
- Very high duty cycle.
- High efficiency of over 90% to minimise electric usage.
- Easy setting infinitely variable wire speed control.
- Torch trigger latching fitted as standard.
- Adjustable electronic burn back.
- 2T / 4T trigger functions.
- Wire inch & gas purge functions.
- Industry standard euro torch connection.
- Can be used with all wire and spool sizes.
- Very strong chassis & steel case.
- Large 250mm wheels & HD front casters
- Voltage switches have steel shafts not plastic like competitors
- Quality wire drive system and powerful motor.
- All models have an all metal 2 roll or 4 roll drive.
- Really rugged machines for industry.



We guarantee these machines will have the lowest long term maintenance costs of any similar machine in the industry & we have the best long term back up with all parts available for a minimum of 20 years.

<b>Spec 3 phase 400v models</b>	<b>300</b>	<b>350</b>	<b>400</b>	<b>450</b>	<b>500</b>	<b>600</b>
Amps range	40-310	40-360	50-420	50-470	60-520	60-620
Volt steps	16	32	32	32	32	32
Duty cycle @60%	300A	350A	400A	450A	500A	600A
Input fuse slow type	16A	16A	16/20A	32A	32A	32A
Welding wire size (mm)	0.6-1.2	0.6-1.2	0.6-1.6	0.6-1.6	0.6-2.4	0.6-3.2

<b>Spec 1 phase 230v models</b>	<b>300</b>	<b>350</b>	<b>400</b>	<b>450</b>	<b>500</b>
Amps range	40-310	40-360	50-400	50-450	60-500
Volt steps	16	16	24	24	24
Duty cycle @60%	300A	350A	400A	450A	500A
Input fuse slow type	32A	32/40A	45A	63A	63A/80A
Welding wire size (mm)	0.6-1.2	0.6-1.2	0.6-1.6	0.6-1.6	0.6-2.4

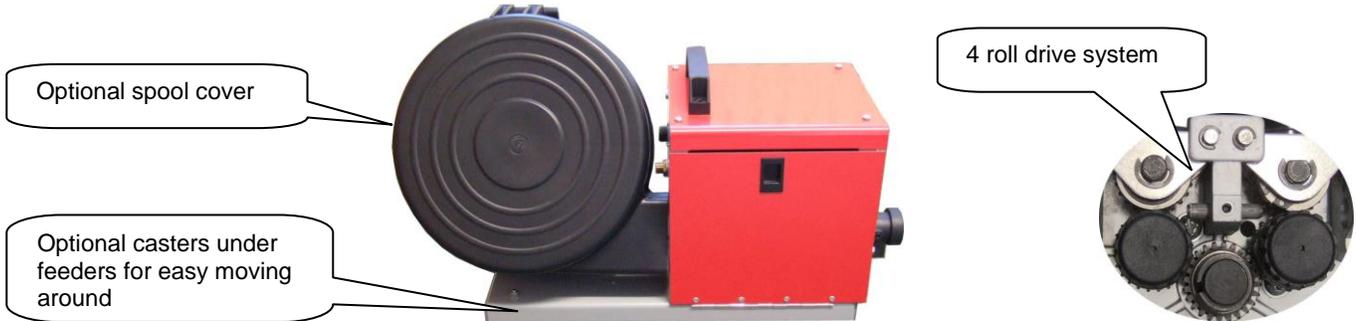
The standard models shown below above are 60% duty cycle, we also offer the 'B' range which is the same specification but with 35% duty cycle for less demanding applications, simply add B to the end of the model number

All models comply with BS EN60974-1, BS EN50199, WEE/HD0071UZ

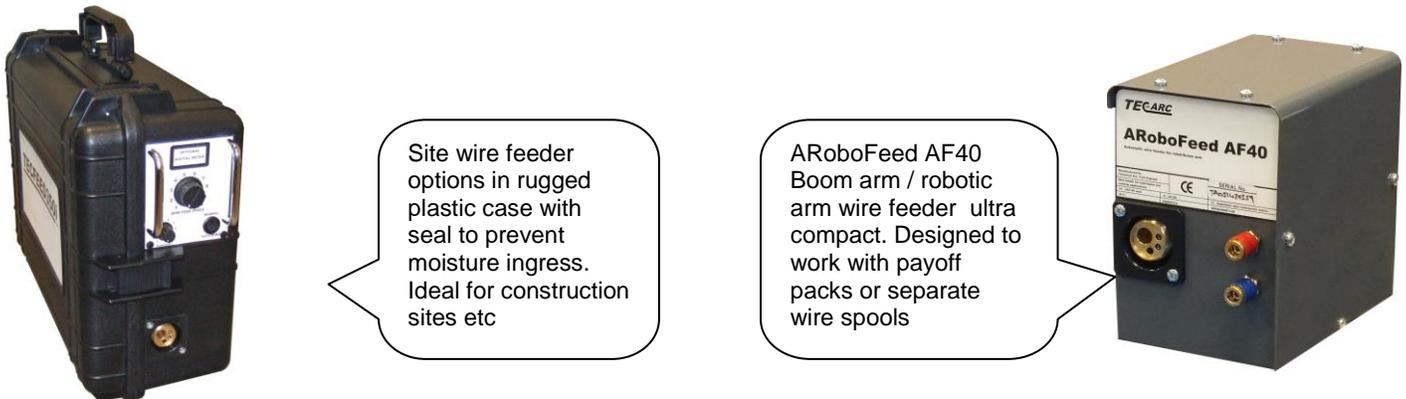
**PTO for further information & options.**

## OPTIONS

Open style wire feeder instead of fully enclosed, this has an advantage for some applications, its more compact & slightly more rugged as less steelwork to get bashed & has a really strong 3mm chassis. The low height of between 350-400mm (depending on whether casters are fitted) means these are a good option for structural steel fabrication as they fit under low trestles.



Other wire feeder options include our site wire feeder in a rugged GRP case with seal to keep out moisture & our ARoboFeed wire feeder which is ultra compact & designed to fit onto a robot arm or boom arm & work with a separate spool holder or pay off packs of MIG wire.



Optional push pull torches both air cooled & water cooled in 8M or other lengths are the perfect option for production MIG welding of aluminium. Spool on gun versions also available perfect for repair of aluminium & lighter production.



### Other options.

Water cooling unit built into power source.

Interconnecting leads up to 30M long.

Digital Ammeter & voltmeter kit fitted with optional validation to BS EN50504;2008

Different voltage steps, for instance we can build any three phase model with 40 steps if needed.

Fan on demand so it only runs when machine is working hard.

Optional tough blue sheathing for interconnectors instead of zipper cover type sheathing.

Electronic Thyristor or PWM power source version for infinitely variable volts.

Different input voltages, 380V, 480V, 500V etc

Standard colour blue with red & yellow options.

**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***