



## OPTIARC 250-300 MST multi-process CC/CV dual voltage welding machines

**The most versatile portable welding machine you can buy.**

**STICK welding + MIG welding + TIG welding**

These are truly unique models, they are a powerful range of portable machines designed to cover virtually all popular applications. They will weld nearly anything from the thinnest metals right up to structural steel work. Digger buckets, wear plates, hard facing, gates & fencing, trailers, steel buildings, vehicle repair etc.

These are a real 'go anywhere & weld anything machine', they will arc run from 230V single phase or a 3 phase supply, and they are generator friendly & will run from up to 100M extension cables. They tolerate harsh operating conditions such as damp & dust & can be used outside in rain. The compact size & portability means these are ideal machines for keeping in the van for mobile welding but they are also equally at home in the workshop.

**Stick welding**, the high OCV means these work well on rusty & dirty material & they will weld all electrode types including cellulosic which most machines will not touch. The hot start makes arcing up easy too.

**MIG welding**, the variable inductance control means you can tune the welding arc to give the very best welding characteristics with a smooth consistent arc & minimal spatter. In addition the high OCV makes it easier to weld dirty or rusty materials.

**TIG welding**, is done using lift arc technology for perfect arc starts & uses a proper TIG torch with micro switch & gas control etc. You can TIG weld from 0.5mm metal upwards with ease.

*100% British made to industrial standards, these are real rugged & robust machines. They are built using copper wound transformers & Mitsubishi chopper technology to give the highest welding performance with low power consumption. However because these are not inverter machines we can guarantee they will have a very long life even in the harshest of conditions. They also tolerate massive over voltage & under voltage conditions without any problem.*

### Main features

- **Stick weld from 1mm up to 8mm welding rods.**
- **Stick weld all electrode types including 6010/6011 types.**
- **MIG weld using 0.8, 1.0mm, 1.2mm wire + gas.**
- **MIG weld using 1.0- 1.6mm self-shielded wire (no gas).**
- **TIG weld stainless steel, M steel, copper etc. (lift TIG).**
- **Infinite control of output power to get the exact setting.**
- **Variable arc force control for stick welding.**
- **Hot start built in to start all electrodes easily.**
- **Variable inductance control for the best MIG welding.**
- **Plug into single phase or three phase supply.**
- **Run on a generator or extension cable etc.**
- **Auto compensation for unstable input & long cables.**
- **Remote or local control of output power.**
- **Digital volt/ammeter shows exact welding parameters.**
- **Super smooth welding characteristics on all processes.**
- **100% copper wound transformer with 5 year warranty.**
- **Really rugged machines for industry.**



### Specifications

	<b>OPTIARC 250 MST</b>	<b>300 MST</b>
Amps range MIG, STICK & TIG	10-250A	10-300A
Max no load volts (OCV)	83V DC	83V DC
Duty cycle @40%	250A	300A
Duty cycle @60%	205A	250A
Input fuse 230V supply	32A	32A
Input fuse 400V supply	16A	16A/20A
Minimum generator for ¾ power	5.5KVA	6.5KVA
Rec generator for max power	7KVA	9KVA
Approx weight	32kg	41kg

Every machine is supplied with 3M input lead & 3M earth lead standard.

### Options

Welding leads up to 100M long  
 MIG wire feeder 4 roll drive  
 TIG torch & adaptor kit  
 Hand remote control up to 100M  
 Foot pedal control for TIG  
 Validation the BS EN50504

**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**

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