



WELDING TECHNOLOGY SOLUTIONS

Advanced Equipment
for TIG (gas tungsten arc)
MIG/MAG

and Stick (MMA) welding of Aluminium,
Steel, Stainless Steel, Nickel alloys, Titanium
and other metals

ARCWEL TT 1800 DC-TIG (GTAW)-&STICK (SMAW) INVERTER WELDING MACHINE /SINGLE PHASE 230 V Ideal for Light Industrial use and Maintenance welding

- Compact and lightweight with overload protection.
- **Able to weld most metals including stainless steel, nickel, titanium, cast iron and copper alloys**
- Ideal for production, repair and maintenance welding in different industries.
- **Portable, weighs only 8 kg**
- Easy to use, high performance
- very smooth, intense and precise arc
- HF arc starting allows non contact starting, eliminating tungsten damage or material contamination
- Lift arc allows TIG arc starting without the use of HF
- ARC FORCE FUNCTION provides positive arc start when doing Stick (MMA) Welding



Delivery Package /Accessories

- 1) Powersouce TT 1800
- 2) TIG Torch 4 m
- 3) Electrode (Stick) welding cable 25 mm² 4 m long
- 4) Earth return cable 25 mm² with clamp 4 m long
- 5) Tig Accessories with collet, 1.6 and 2.4, 3 Gas lens cups, 1 Long and 1 short back cap plus 2 tungsten electrodes 1.6 mm



Model	TT 1800
Input Voltage	1-220/230 Volt +-10 %
Current Range TIG Current Range MMA	5-180 Amp. 5-160 Amp
Duty cycle (40°C 10 min)	100 % at 100 Amp 60 % at 125 Amp 25% at 180Amp
Input Power (KW)	4.0(TIG) 5.3(MMA_
No load voltage	62V
Protection Index	IP 23 S
Frequency (HZ)	50/60
Down slope Time	0-10 s
Dimensions of Machine	400x140x230

WSE-315 AMP: TIG -AC/DC WELDING MACHINE

Powerful ,3 phase inverter based **TIG/MMA welder for welding of aluminum, steel stainless steel , cast iron nickel and copper alloys.** Suitable for all tig and stick welding applications in production and maintenance.

Easy to use, robust construction ,portable for use on site and in workshop. Excellent welding characteristics with all types stickelectrodes.



FEATURES:

- **AC FUNCTION** for TIG welding of Aluminium and Aluminium alloys from 1 to 10 mm thickness
- **DC FUNCTION** for easy welding of low and high alloy steels, stainless, nickel and tool steel.
- **MMA function** for stick welding with all different types of electrodes such as rutile (6013) basic (7016, 7018) stainless, hardfacing, nickel based and copper alloys
- **AC frequency ,clearance (pulse)** controll allows welder to adjust penetration action when welding aluminium
- **Slop up (Start Current) and down** controll
- **Thermal Overload** Protection with **indicator**
- **2T/4 T function**
- **Postgas flow** timer
- **HF or LIFT Start** (for welding in aereas where sensitive electronic circuits are used)
- **ARC Force** control prevents sticking of electrodes
- TIG torch can be used aircooled (no water) or with watercooler (water)
- Watercooler optional
- **HOTSTART** for easy starting of all different types of stick electrodes
- **ARCFORCE** allows individuel adjustment of welding characteristics when doing stickwelding
- **This machine is supplied with TIG Torch,(4m) earth cable,electrode hand cable 4 m and argon gas hose**
- Remote foot controll (optional)
- **2 years warranty**

Model	WSE315
Input Voltage	3~380Volt +-10 %
Current Range DC Current Range AC	5-315 Amp 10-315 Amp .
Duty cycle DC (40°C 10 min)	100 % at 190 Amp 35 % at 315 Amp 60% at 240Amp
Duty cycle AC (40°C 10 min)	100 % at 160 Amp 25 % at 315 Amp 60% at 205Amp
Clearance Effect (AC)	-5~+-5
Input Power (KW)	9.5.
No load voltage	77 V
Protection Index	IP 23 S
Gas pre/post flow	0.4/3~10 s
Dimensions of Machine	620x270x570 mm