

AC/DC PULSE TIG Welding Machine

交直流TIG・パルス溶接機

TwinArc®

Inverter I.G.B.T.



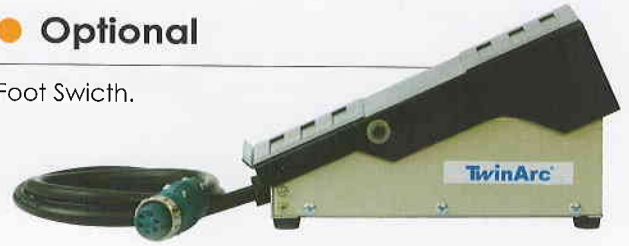
AC/DC 315



AC/DC 500

Optional

Foot Switch.



Technical Specifications:

| Model | AC / DC 315 | AC / DC 500 | AC / DC 630 |
|---------------------------------------|----------------------------|-------------|-------------|
| Input Voltage | 3 phase 415V ± 10% 50/60Hz | | |
| Rated Input Capacity | 9.3KVA | 18.2KVA | 30KVA |
| Rated Input Current | 13.1A | 27.2A | 50.4A |
| Constant Current | 5-315A | 20-500A | 20-630A |
| Peak Current | 5-315A | 20-500A | 20-630A |
| Welding Current For SMAW | 20-315A | 20-500A | 20-630A |
| Arc force Current For SMAW | 10-200A | | |
| Base Current | 5-315A | 20-500A | 20-630A |
| Arc-start Current | 20-160A | | |
| Crater Fill Current | 5-315A | 20-500A | 20-630A |
| Pulse Ratio | 1-100% | | |
| AC Balance | -50%~+30% | | |
| Pulse Frequency | 0.2~50Hz | | |
| Gas Pre-flow | 0.1~15s | | |
| Gas Post-flow | 0.1~15s | | |
| Up-slope | 0.2~10s | | |
| Down-slope | 0.1~15s | | |
| Oxide Clean Ratio | -40%~+40% | | |
| Rated Duty Cycle | 60% | 60% | 35% |
| Voltage In Open Load | 64V | 76V | 76V |
| Efficiency | 79% | 77% | |
| Power Factor | 0.95 | | |
| Insulation Degree Of Main Transformer | H | | |
| Insulation Degree Of Output Reactor | B | | |
| Weight | 40Kg | 70Kg | 80Kg |

Excellent TIG Welding Characteristics

Optimum weld formation through up slope / down slope time, gas pre-flow and post-flow times and starting current / crater filling current. Universally applicable for all welding tasks on stainless steel, copper and its alloys, high and low alloyed steel, aluminium and its alloys.

Smooth & Efficient Arc Start

High frequency Arc striking, precise and efficient even from long distance.

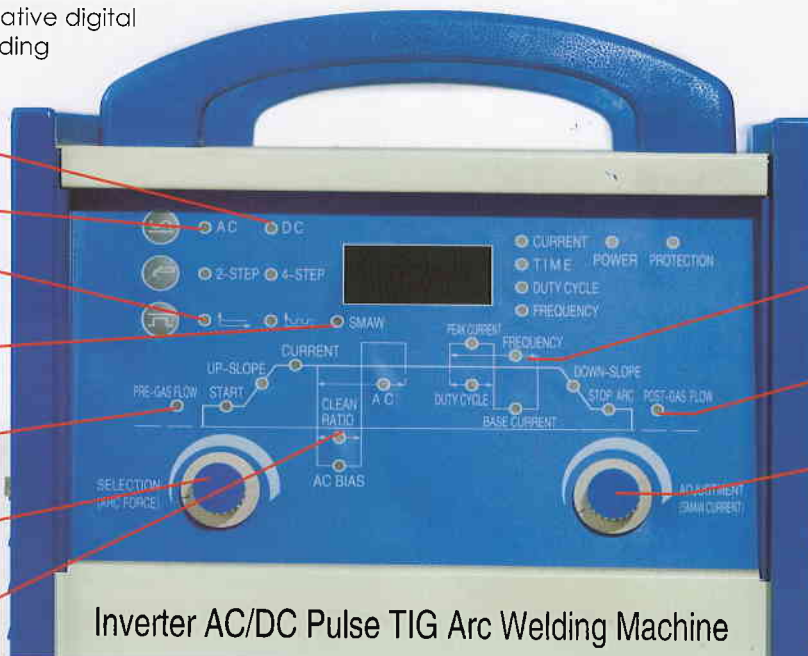
Unique A.C. Square Wave Function

As the cleaning action (remove of oxide film and cleaning of welding position) is excellent, fine welding of metal such as aluminium can be obtained.

Easy-to-use Operation Panel

Equipped with an innovative digital control panel for all welding parameters.

- DC TIG welding
- AC TIG welding
- With/Without pulse (TIG Welding)
- MMA/SMAW welding selection
- Gas pre-flow (0.1 ~ 15 sec)
- Jog dial parameters selection knob
- AC cleaning adjustment



Inverter AC/DC Pulse TIG Arc Welding Machine



- AC frequency Adjustment
- Gas post-flow (0.1 ~ 15 sec)
- Setting is accurate by 1 amp. with repeatability

THE FORCE OF WELDING ...

