

# Panasonic

More consistent arc start with high reliability

## Processes

- DC TIG (GTAW)
- Stick (MMA)

## Industrial Applications (DC TIG)

- Aerospace Industry
- Small diameter ,thin wall tubing for example in Bi-cycle industry
- Root (first pass) welds for piping
- Maintenance & Repair Work- Repair of Tools & Dies

## Base metals compatible with DC TIG

- Copper Alloys
- Cu-Ni Alloys
- Stainless Steel
- Low carbon alloys
- Low alloy steels

## Exclusive features

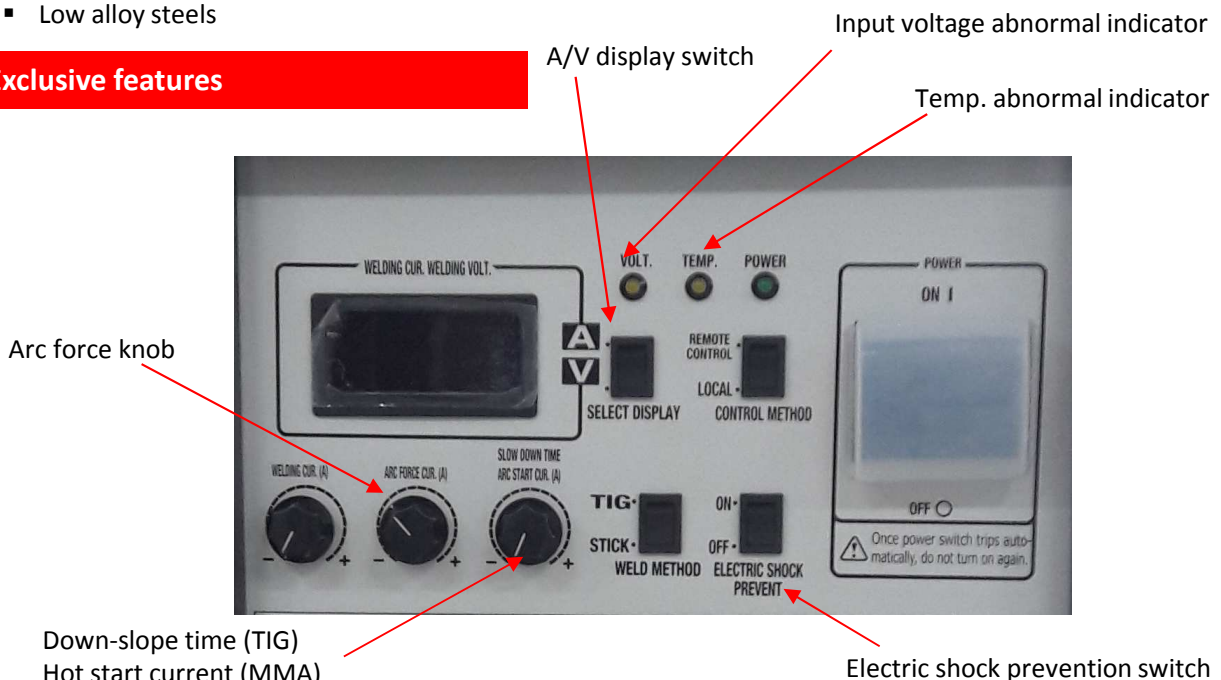
1. Down-slope time (TIG)
2. Hot start current (MMA)

# 400AT3DJT

IGBT Controlled DC TIG/MMA Welding Power Source



High-frequency (HF) arc start for non-contact arc initiation.



### Arc Force (MMA)

This is a feature used in Stick welding. Arc force is a temporary increase of the output current during welding when the arc is too short. This feature supports operators to achieve consistently excellent arc performance resulting faster & better quality production.

### Hot start (MMA)

There is a temporary increase of the output current (0.5 seconds approx.) during the start of welding. Hot Start provides excellent arc ignition without the electrode sticking .

### Adjustable Current Down-slope time (Crater fill in TIG Welding)

Downslope time adjustable from 0.5 to 2.3 seconds .It supports to fill the crater.

### Electric shock prevention switch

This feature is very useful in the wet environment, high altitude, narrow places, welding inside metal containers . When the anti-shock function is used ,the output voltage is about 13V at no-load.

### Input voltage abnormal indicator

When the input voltage is abnormal; over-voltage or under-voltage,the light gets on ,and the machine has no output. When one phase is missing ,the voltage abnormal indicator flashes twice in every second.

### Temperature abnormal indicator

When there is overload ,the lamp flashes once every one second and the machine has no output.

### Technical Specifications

INPUT		
Rated Input Voltage	Volts	415+/- 20%
Phase/Freq.	No./Hz	3-Ph/50-60
Max. Input KVA@60% Duty Cycle	KVA/KW	17.60/16.70
OUTPUT		
Open-Circuit Voltage	Volts	71
Welding current range	Amps	20-410
Rated welding current	Amps	400
Rated welding voltage	Volts	36(Stick)/26(TIG)
Rated duty cycle	%	60
Gas pre-flow (TIG)	sec	fixed
Gas post-flow (TIG)	sec	fixed
Current Up slope control(TIG)	sec	fixed
Current Down slope control(TIG)	sec	0.5 to 2.3
Adjustable Arc Force Current (MMA)	Amps	0-220
Hot start current (MMA)	Amps	0-150
GENERAL		
Conformance to International Standards		IEC 60974-1:2000/GB 15579.1:2004
Power control method		IGBT Inverter
Digital Display		4 Digit, 7 segment LED Display
Ingress Protection	Class	IP23
Insulation	Class	H
Cooling type		Forced Air
Power factor		>0.9
Operating temperature	deg C	-10 TO 50
Dimension(LxBxH)	mm	550x330x600
Net Weight(approx)	Kg	45
Ordering Information		
Power Source		YD-400AT3DJT

**Panasonic**

Panasonic Welding Systems India

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