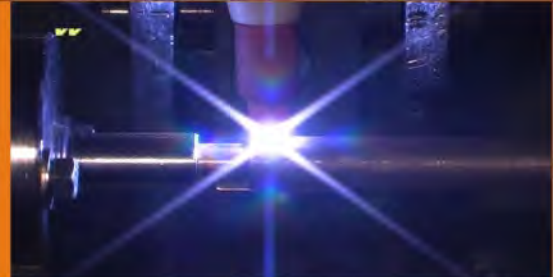


# Sohal



## Salient Features:

- H.F. Ignition
- Power Saving High Efficiency
- Power Factor Near Unity
- Based On Digital Inverter Technology
- Reliable IGBT Powered
- Constant Current During Near And Far Welding
- Compensation Of Supply Volts
- Generator Compatible
- Light Weight, Easy To Carry
- Heavy Duty For Continuous Work
- Wide Supply Voltage Range
- Over-current & Over-heat Protected
- Very Low Stand-by Current

## Power Saving Inverter Tig Welding

Model : IRT300



**DURABLE DESIGN WITH 3-LEVEL PROTECTION OF IGBT'S**

- Inverter TIG welding machines gained popularity due to their power saving nature, better power factor, good arc and better constant current features over all previous techniques. And it takes less space and light weight.
- The IRT series inverter Tig welding machines are fully digital controlled and H.F. start. The Power control is based on fast switching IGBT<sup>11</sup> devices. Suitable for both high quality Tig welding and manual arc welding. The digital display in front of machine helps better and easy setting of Tig current and Post Flow time. It also shows other protection messages of machine.
- These machines are designed and developed in our company. We test all machines individually for duty cycle and performance. These machines are suitable for work on generator.
- These new technology machines have good output characteristics, Silent, smooth and stable arc from the small current to rated current for welding of various thickness jobs.

**Advantage:**

The main advantage of TIG welding is the huge range of different metals & alloys that it can weld.

**Application:**

Applicable in good welding of Mild Steel, Stainless Steel, Alloy Steel, Brass , Copper, Nickel, Silver, Lead, Titanium and many others.

**Field of Use:**

The principal area of use is for welding thin and medium thicknesses of metals in industries like Machinery and Plant Construction, Cycle Part, Auto Parts, Kitchen Accessories and Fabrication of Door, Window, Railing and for welding root passes on joints with thicker cross-sections.

**TECHNICAL SPECIFICATIONS:**

ITEM	UNIT	IRT300	IRT400	IRT500
Supply	Volt	415	415	415
Phase	No.	3	3	3
Frequency	Hz	50/60	50/60	50/60
Max. Load	KVA	10	13	17
Power Factor	Cos Ø	.99	.99	.99
No-load Volt	Volt	70	70	75
Min. Current	Ampere	20	20	20
Max. Current	Ampere	300	400	500
Duty TIG	%	100	100	100
Duty MMA	%	60	60	60
Control	Type	DIGITAL	DIGITAL	DIGITAL
Post Flow	Sec.	0.1 to 5	0.1 to 5	0.1 to 5
IP	Class	21	21	21
Weight	Kg	39	41	52
Dimension	L X W X H (cm)	56 X 33 X 53	56 X 33 X 53	60 X 33 X 53

\* In view of continuous development, design and specifications can be changed without prior notice

**Accessories:** Tig Torch 4m, Work lead 2m, Argon Regulator & Flow-meter

1) IGBT's are advance version of mosfet's

# SOHAL ELECTRIC WORKS

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