



**Shri Balaji Alloys  
Corporation India**



# 400A DC TIG Welder

Dual-function mode TIG welder.

## PROPERTIES

When weld appearance is essential in the field, the first thing that comes to mind is TIG welding. In TIG welding, argon is used as an inert gas to protect the molten weld and the tungsten electrodes from oxidation. It is also known as argon welding due to the use of argon as a shielding gas. In this process, the arc is generated between a non-consumable tungsten electrode and the workpiece. The TIG welding machine does not require a wire feeder, as the filler material is inserted manually. The TIG-400 welder is a versatile and compact TIG power source that supports MMA welding. Its soft HF ignition and dual-function mode make it ideal for welding thin and thick materials. The high-efficiency inverter technology and automatic compensation for voltage fluctuations provide energy savings of up to 30%. The welder is equipped with protection against overvoltage, under-voltage, overload, and single-phase switching, making it safe for use in rough operating conditions and heavy use on project sites. The arc force adjustment function on the front panel provides greater control over the welding process.

## TECHNICAL DATA

Specification	Unit	400A Dc TIG
Input voltage	Volt	AC415±15%
Phase,	No	3
Frequency	Hz	50/60
Rated input capacity	Kva	16.5
Rated input current Rated input current	A	26/20
Output current range (TIG)	N/A	10-400
Output current range (ARC)	N/A	20-400
Arc force current range	A	0-100
Power factor	Cosθ	0.93
Efficiency	%	85
Torch cooling	N/A	Air/water-cooled
Dimensions (LxWxH)	mm	675x385x630
Weight (approx)	kg	38

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