



MEGMEET METATIG 315 DC MIG Welding Machine 3PH/415V

Description

- Wide applications: supporting carbon steel, stainless steel, alloy steel and other metal materials;
- Comprehensive functions with pulse DC TIG, high-speed TIG spot welding, MMA and others;
- Full digital intelligent control is adopted. Internal background menu is open and adjustable to better satisfy more technological requirements of various working conditions;
- VRD anti-shock function with adjustable arc force and better arc stiffness in MMA mode;
- IOT interface is reserved to quickly access to Megmeet SMARC management platform or the third-party welding data system to realize efficient welding interconnection;
- Communication interface is reserved to support multiple types of communication protocols to connect with different brands of robots and automation devices;
- Software is upgradable through U-disk interface to help customers easily obtain Megmeet foremost welding process or customized functions;
- Optional foot switch, water-cooler, water-cooled torch, trolley, etc.

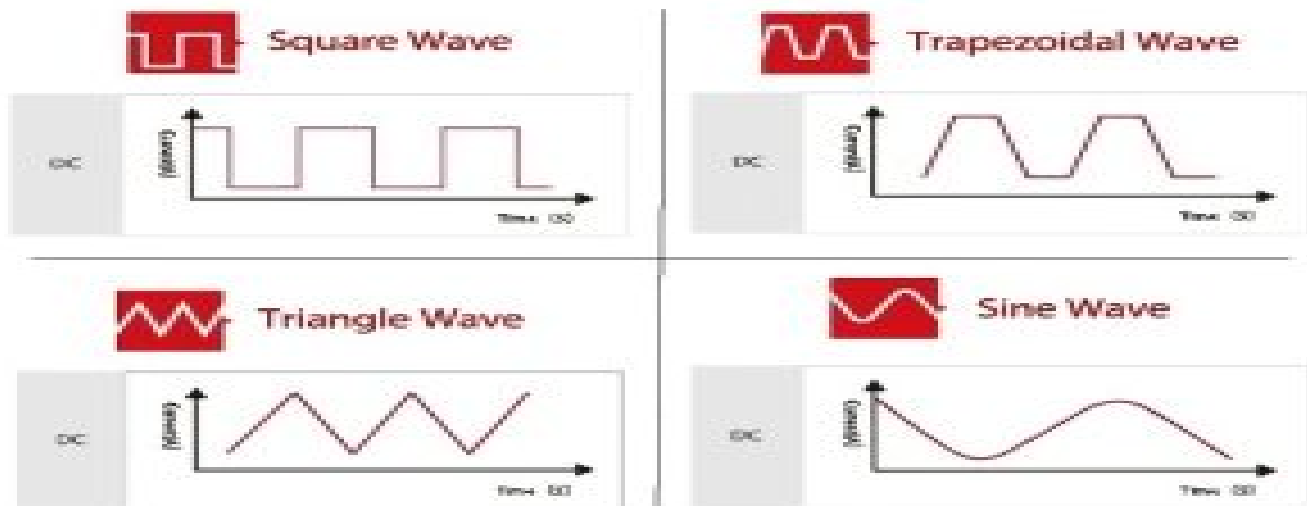
Specification

Model	META TIG315 DC
Control Mode	Full Digital IGBT Control
Rated Input Voltage	3 Phase AC 380v (±25%)
Input Frequency	45 ~ 70 Hz

Model	META TIG315 DC
Inverter Switching Frequency	110 KHz
Rated Input Capacity	12.5 KVA / 11.4 KW
Power Factor	0.94
Efficiency	91%@315 A
Rated Output No-Load Voltage	68 V
Rated Output Current	315 A
Rated Output Voltage	22.6 V
Set Current Range	DC TIG 3-315A MMA 30-315A
Parameter Channel	50
Duty Cycle	100%@315A
DC Pulse Frequency	0.1 – 3000Hz
Pulse Width	1 – 99%
Arc Striking Method	High-frequency arc / Lifting arc
Rise Time	0 – 20s Continuous regulation (0.1 increment)
Fall Time	0 – 20s Continuous regulation (0.1 increment)
Pre-gas Time	0 – 25s Continuous regulation (0.1 increment)
Post-gas Time	0 – 25s Continuous regulation (0.1 increment)
Output Terminal	Quick Plug
Cooling Method	Forced-Air
Insulation Grade	H
Ingress Protection	IP23
Gross Weight (kg)	37
Dimension (mm)	647 x 291 x 572

Model	META TIG315 DC
Material	Carbon Steel, Stainless Steel, Titanium Alloy, etc
	Automotive & Railway, Construction & Mining Machinery, Ship-building & Marine Engineering, Heavy Steel Construction, Shipping Container,
Industrial Application	CNC Machine, System Controller,
Extension Function	USB Upgrade, Robot (Optional), LCD Front Panel (Optional)

Multiple Waveform controls provide optimal combination according to welding needs



- **Square Wave** – Precise control in current waveform and accurate adjustment in parameters of peak current, base current, frequency and others, with high arc stability and good dynamic characteristics, applicable for various stainless steel welding.
- **Trapezoidal Wave** – Soft arc brings good wetting effect to fusion pool, suited to groove welding and overhead welding.
- **Triangle Wave** – Short peak-time and low heat-input, suitable for thin sheet welding.
- **Sine Wave** – Arc noise is smaller and softer

Extensive Welding Process

Welding Process Type	Welding Process Name	Advantage	Material	Industry
DC TIG	DC TIG	Stable arc, high adaptability for gap, easier for one-sided welding and double-sided forming	Carbon steel, Stainless Steel, Titanium Alloy, etc	Petrochemical, pressure pipeline & vessel backing weld, etc

DC PULSE TIG	DC-Pulse TIG	Low heat input, beautiful fish-scale shape is available, pulse frequency up to 3000Hz	Carbon steel, Stainless Steel, Titanium Alloy, etc	Sheet metal and welding occasions with requirements for heat input and weld form, etc Boiler, pressure vessel, petrochemical industry, pressure pipeline, outdoor construction, etc.
		Easy arc start, non-stick with rod, softer arc & less spatter, and beautiful weld shape	Carbon Steel, Alloy Steel, Stainless Steel, etc.	
MMA	MMA			