

# AC/DC TIG Pulse Welding Machine

This machine delivers high-quality square wave current and rapid current transformation for a stable arc. Its concentrated heat and solid arc facilitate easy wire filling, making it particularly suitable for welding in the bicycle industry.



## Overview

### Professional AC/DC TIG Pulse Welding Machine

This advanced AC/DC TIG pulse welding machine is engineered for high-precision welding applications across various metal types. Featuring adjustable pulse frequency and width, along with AC balance control, it is specifically optimized for aluminum welding and professional tasks requiring exact control. The unit includes a digital display for accurate current monitoring and supports both foot and trigger remote control options for enhanced versatility.

## Electrical Specifications

Input Power Voltage	AC380V±15%
Input Voltage Frequency	50 Hz
Rated Input Current	13.6 A
Rated Input Power Capacity	9 KVA
Power Factor	0.93

## Welding Performance

Output Current Range	20-315A
Duty Cycle	60 %
Efficiency	85 %
No-load Voltage	56 V

## Control & Precision

### Pulse Control Metrics

<b>70 Hz</b> Max Pulse Frequency	<b>90 %</b> Max Pulse Width	<b>10 %</b> Min Pulse Width
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### Timing Controls

Parameter	Range
Pre-flow Time	0-2S
Slope-down Time	0-5S
Post-gas Time	2-10S

Remote Control Compatibility	Foot Pedal, Trigger
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## Physical & Protection

### Protection Class

IP21

### Insulation Class

Class B

### Dimensions

565x235x512mm

### Weight

32 KG