

Automatic Arc MIG MAG Welding Machine

This automatic welding machine supports arc, MIG, and MAG welding processes. It is designed for industrial applications, offering precise control and reliable performance.



ADDITIONAL IMAGES



Overview



High-Performance Intelligent Welding System

The TPS/i is a versatile, all-round automatic welding solution designed for professional MIG/MAG, TIG, and manual electrode welding. It offers a range of current options from 320A up to 600A, featuring a completely redesigned architecture to optimize welding performance and human-machine interaction. This system is built for the future of industrial welding, ensuring fast integration with robotic systems and flexible process adjustments to meet individual production needs.

Supported Processes

MIG, MAG, TIG, Arc Welding, Manual Electrode

Key Performance Metrics

Available Current Ratings

320 A
Standard

400 A
Heavy Duty

500 A
Industrial

600 A
High Power

Technical Specifications

Electrical Input Data

Parameter	Value
Input Voltage	3 x 400V
Voltage Tolerance	+15% / -15%
Power Frequency	50 / 60 Hz
Power Fuse Protection	16 A
Power Factor	0.99

Working Voltage Ranges

Process	Voltage Range
MIG/MAG	14.2 - 27.5 V
TIG	14.1 - 20.8 V
Manual Electrode	20.4 - 30.8 V
Open Circuit Voltage	57 V

Input Current

- Maximum Effective: 9.7 A
- Rated Maximum: 15.3 A

Smart Features

Advanced System Capabilities

- WELDCUBE: Central server for linking and monitoring all power supplies
- Live Update: Centralized software upgrades without hardware changes
- Intelligent Identification: Automatic recognition of torch and connection components
- Communication Programming: Graphical UI for intuitive robot-welder interaction
- Robotic Compatibility: Fast integration with various robot manufacturers

Protection & Cooling

Ingress Protection

IP 23

Cooling Type

AF (Forced Air)