

# 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)