

# IGBT Arc MMA Welding Machine

This welding machine utilizes IGBT technology to deliver stable arc performance and reliable operation. Adjustable parameters provide optimal welding control, making it suitable for diverse welding applications.



## ADDITIONAL IMAGES



## Product Overview

### Industrial Grade IGBT Inverter Technology

The ZX7 series is a professional-grade IGBT arc welding machine engineered for high-performance welding in construction, fabrication, and maintenance. These units deliver exceptional arc stability, minimal spatter, and precise control, ensuring high-quality weld penetration on various materials. With built-in safety protections and a portable, efficient design, these machines offer the reliability required for demanding industrial work environments.

## Technical Specifications

|                            |                        |
|----------------------------|------------------------|
| Input Voltage              | 3 phase 380V/415V/440V |
| Efficiency                 | 85 %                   |
| Duty Cycle                 | 60 %                   |
| Grid Fluctuation Tolerance | +/- 15%                |

## Performance Matrix

### Model Capability Comparison

| Model   | Input Capacity (KVA) | Current Range (A) |
|---------|----------------------|-------------------|
| ZX7-315 | 12                   | 20-315            |
| ZX7-400 | 16.5                 | 20-400            |
| ZX7-500 | 23                   | 20-500            |
| ZX7-630 | 37                   | 20-630            |

## Features

### Advanced Functionality

- Adjustable striking and thrust current
- Digital display for real-time monitoring
- Preset current capability
- Stable arc with low noise output

### Integrated Safety Protections

Overcurrent Protection, Overheat Protection, Overvoltage Protection, Undervoltage Protection