



**UNIVERSE**

## **SUBMERGED ARC WELDING MACHINE (SAW)**

### **AZA1243**

The AZA1243 Submerged Arc Welding (SAW) Machine is a comprehensive heavy-duty welding system engineered for continuous industrial welding applications requiring high productivity, deep weld penetration, and consistent weld quality.

Designed for prolonged and demanding welding operations, the AZA1243 integrates:

- High-capacity welding power source
- Advanced wire feeding system
- Automated travel mechanism
- Flux feeding and recovery arrangement
- Automatic and semi-automatic welding capability

The machine is specifically developed for industries requiring:

- Long seam welding
- Continuous-duty operation
- High deposition rates
- Reliable weld consistency

Equipped with a 100% duty cycle power source, the AZA1243 is capable of uninterrupted welding performance without overheating, making it ideal for heavy fabrication, pressure vessel manufacturing, shipbuilding, structural steel fabrication, and industrial production environments.





## UNIVERSE TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1243
Machine Type	Submerged Arc Welding Machine (SAW)
Equipment Components	Welding Machine, Wire Feeder, Control System, Welding Torch/Gun, Flux Hopper, Flux Recovery System, Travel Mechanism
Power Source Rating	100% Duty Cycle
Power Supply Type	AC or DC Constant Current
Voltage Sensing Requirement	Electrode Wire Feeder Required for Constant Current Operation
Operation Mode	Automatic or Semi-Automatic
Flux Management System	Flux Hopper, Feeding & Recovery System

### Safety Features

- Stable arc control system
- Protected welding operation under flux layer
- Industrial-grade electrical insulation
- Reliable thermal management
- Safe automated welding arrangement