



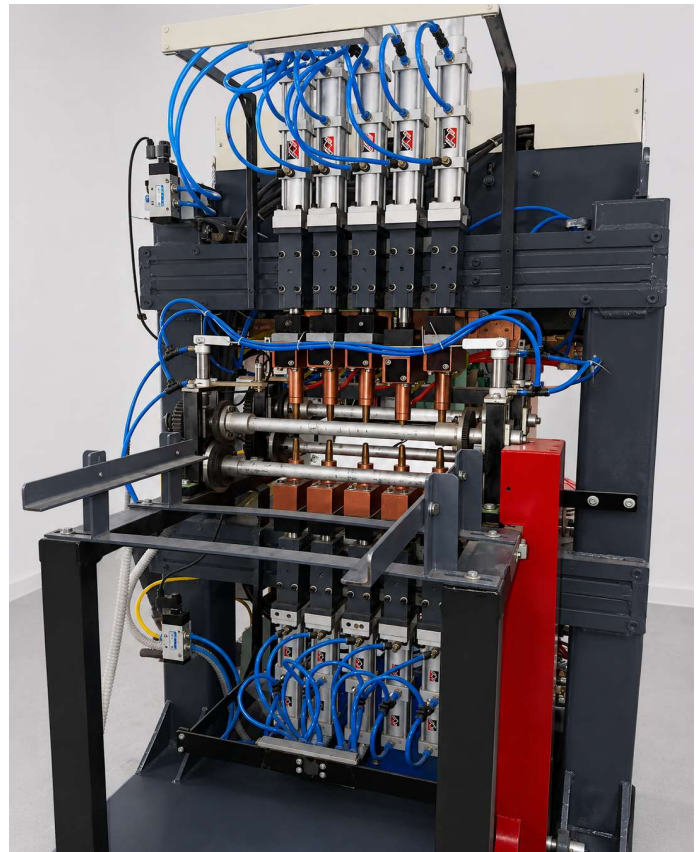
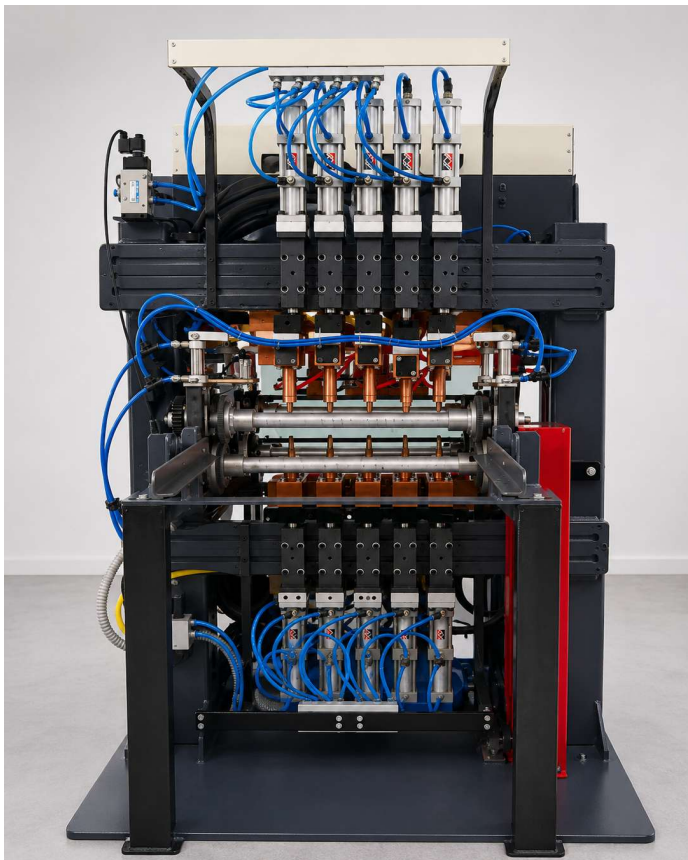
Indramani Electronics

"Power that Performs, Welds that Lasts"



PNEUMATIC MULTI-SPOT WELDING MACHINE

High-Production Resistance Welding System for Simultaneous Multi-Point Welding



Product Overview

The Pneumatic Multi-Spot Welding Machine is designed for high-speed, repeatable, and accurate welding of sheet metal assemblies, wire products, brackets, frames, mesh components, battery parts, and fabricated assemblies requiring multiple weld points in a single cycle.

Key Features

- Simultaneous Multi-Point Welding
- Pneumatic Electrode Actuation
- Heavy-Duty Copper Alloy Electrodes
- Adjustable Welding Pressure
- Consistent Weld Quality
- Robust Industrial Construction
- Easy Setup and Maintenance
- PLC / HMI-Based Control (Optional)
- Water-Cooled Transformer and Electrodes
- Suitable for Continuous Production

Technical Specifications

Parameter	Specification
Machine Type	Pneumatic Multi-Spot Resistance Welding Machine
Welding Method	Resistance Spot Welding
Number of Welding Heads	As per customer requirement
Electrode Actuation	Pneumatic Cylinders
Electrode Material	Copper Alloy
Electrode Force	Adjustable
Input Power Supply	415V AC, 3 Phase, 50Hz
Transformer Rating	Customized
Duty Cycle	50%
Cooling System	Water-Cooled
Control System	Universal Weld Controller
Production Mode	Semi-Automatic / Automatic
Machine Construction	Heavy-Duty Fabricated Steel Structure
Machine Dimensions (L x W x H)	1700 mm x 1200 mm x 1500 mm (approx.)

Utilities Required

Utility	Requirement
Electrical Supply	415V AC, 3 phase
Compressed Air	5 - 7 Bar
Cooling Water	DM Water & Chiller Water
Floor Space (L x W x H)	2200 mm x 1700 mm x 2000 mm (approx.)

Advantages

- Higher Productivity
- Reduced Cycle Time
- Uniform Weld Quality
- Lower Operator Dependency
- Reduced Rejection Rate
- Long Service Life
- Low Maintenance Cost

Customization Available

Machine design, throat depth, welding head arrangement, transformer capacity, fixture design, automation level, and control system can be customized according to customer requirements.

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