Automatic Twin Wire Crimp Machine | AWG16-28 | 3200mm Cutting JW-CM01

Model No. JW-CM01



SPECIFICATIONS

Automatic Twin Wire Crimp Machine | AWG16-28 | 3200mm Cutting	
Available Wire Size	AWG16-AWG28#
Cutting Length	45-3200mm (Longer can be customized)
Cutting Accuracy	cutting length *0.2%
Stripping Length	0.5mm-14mm
Pressure Capacity	1.5T
Detection Device	no wire; no terminal, insufficient pressure
Voltage	AC220V/50Hz single phase
Air Pressure	0.5MPa
Dimension	750mm*800mm*1700mm
Weight	400kg

The JW-CM01 is an automatic twin-wire cutting, stripping and crimping machine that processes two wires at once — AWG16 to AWG28, cut lengths from 45 mm to 3,200 mm, with 1.5 T of crimping pressure. Running two wires per cycle is what makes it a production machine rather than a bench tool: output roughly doubles for the same floor space and the same operator.

Three fault conditions are detected automatically: no wire, no terminal, and insufficient crimping pressure. The machine stops rather than producing a run of bad leads, which is the failure mode that costs most in a harness shop — a whole batch discovered at inspection.

Cutting accuracy is specified as 0.2 % of cut length, so a 3,200 mm lead holds within about 6 mm. The 400 kg frame and 1.5 T press are built for that length: long leads pulled through a light machine drift and mis-feed.

Key Features

1. Two wires processed per cycle — roughly double the output of a single-wire machine.

2. AWG16 – AWG28 range, covering both power leads and small signal wire.

3. Cutting length 45 – 3,200 mm, with accuracy of 0.2 % of the set length.

4. 1.5 T crimping pressure on a 400 kg frame — stable on long, heavy leads.

5. Three automatic fault checks: no wire, no terminal, insufficient pressure.

6. Stripping length 0.5 – 14 mm, set in the program.

Technical Specifications

Parameter	Specification
Model	JW-CM01
Function	Automatic twin-wire cutting, stripping and crimping
Wire size	AWG16 – AWG28
Cutting length	45 – 3,200 mm (longer on request)
Cutting accuracy	0.2 % of cutting length
Stripping length	0.5 – 14 mm
Crimping pressure	1.5 T
Fault detection	No wire / no terminal / insufficient crimping pressure
Power supply	AC 220 V, 50 Hz, single phase
Air pressure	0.5 MPa
Dimensions	750 × 800 × 1,700 mm
Weight	400 kg

Applications

— Double-lead assemblies — two wires crimped in one cycle for the same connector.

— Automotive and motorcycle harness — long leads at consistent 0.2 % accuracy.

— Appliance internal wiring — power and signal leads run together.

— High-volume contract work — fault detection keeps bad batches off the bench.

Product Images



FAQ

What wire sizes and cutting lengths can the Automatic Twin Wire Crimp Machine handle?

This industrial machine is designed for AWG16 to AWG28 wire gauges, making it versatile for a wide range of electrical applications. It features an impressive cutting length range from 45mm to 3200mm, accommodating both short harness leads and very long cable runs. The 1.5-ton crimping pressure ensures a secure, gas-tight crimp on terminals within this entire wire range.

What are the key benefits of the servo control and touch screen interface?

The integrated servo control system provides exceptional precision in wire feeding, cutting, and crimping, resulting in consistent, high-quality terminations with minimal waste. The user-friendly touch screen interface allows for quick programming of wire lengths, strip lengths, and production quantities. This combination reduces setup time, minimizes operator error, and enhances overall production efficiency in an industrial setting.

Is this machine suitable for producing cable harnesses with two terminated ends?

Yes, precisely. As a twin wire crimp machine, it is specifically engineered for high-efficiency cable harness manufacturing. It can automatically cut a wire to the set length, strip both ends to the required depth, and crimp a different terminal onto each end in a single, automated cycle. This makes it an ideal solution for streamlining harness production and reducing labor costs.

How does this machine ensure consistent crimp quality and low operational noise?

Consistent quality is achieved through the precise 1.5-ton crimping pressure and the repeatability of the servo-driven mechanisms. The machine's robust industrial construction and advanced engineering focus on operator comfort, resulting in notably low noise levels during operation. This creates a better working environment and allows for integration into workshops without excessive disruption.

What industries or applications is this automatic wire processing machine best suited for?

This machine is ideal for any industry requiring reliable, high-volume wire termination. Key applications include automotive wiring harness manufacturing, appliance control cable production, industrial control panel building, and the assembly of machinery electrical systems. Its ability to handle AWG16-28 wires and long lengths makes it a flexible core asset for electronics manufacturers, contract assemblers, and in-house production facilities looking to automate their wire processing.