Automatic Cable Stripping Crimping Twisting Machine | AWG14-28 JW-CM03

Model No. JW-CM03



SPECIFICATIONS

Automatic Cable Stripping Crimping Twisting Machine | AWG14-28	
Wire Range	AWG14# to AWG28# (customizable)
Terminal Type	Reel-type terminals (insulated/non-insulated)
Processes	Cutting, Stripping, Crimping, Twisting
Die Changeover	Under 3 minutes
Operation	Fully automatic
Optional	Conveyor for long wires

JW-CM03 runs cutting, stripping, terminal crimping and core twisting in one continuous cycle. Wire is pulled from the dereeler by motorised feed rollers, cut to length, stripped at the programmed position, then crimped at the single head while the twisting station closes the opposite end.

Because the four steps run in one pass, the lead no longer travels between a stripping machine, a crimping press and a hand twisting station. One operator loads the reel and unloads finished leads, and the die set is changed in under three minutes when the terminal family changes.

The machine covers four processes with one crimping head, so one terminal is applied per cycle on AWG14 to AWG28 wire. Where tinned ends or 4000-5000 pcs/h are required, the WPM-151T adds a solder pot; where both ends carry terminals, the double-side JW-CM04 is the closer match. An optional conveyor carries long leads clear of the machine.

Key Features

1. Cutting, stripping, crimping and twisting completed in a single cycle, with no re-clamping between stations.

2. Reel-type terminal feed accepts both insulated and non-insulated terminals, so loose terminals are not loaded by hand.

3. Die changeover in under three minutes keeps downtime short on mixed harness batches.

4. Wire range AWG14 to AWG28, customizable on request.

5. Single crimping head applies one terminal per cycle; the free end is finished by the twisting station.

6. Optional conveyor for long leads; the cabinet runs on castors and can be moved between lines.

Technical Specifications

Parameter	Specification
Model	JW-CM03

Parameter	Specification
Wire Range	AWG14 - AWG28 (customizable)
Terminal Type	Reel-type terminals, insulated and non-insulated
Processes	Cutting, stripping, crimping, twisting
Crimping Heads	Single head
Die Changeover	Under 3 minutes
Operation	Fully automatic
Optional	Conveyor for long wires

Applications

— Control cabinet wiring: AWG16-AWG20 PVC leads with insulated spade terminals, opposite end twisted for screw clamping.

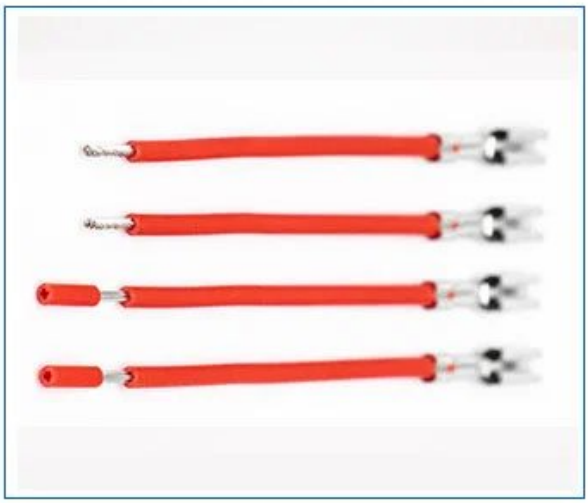
— Appliance harnesses: AWG18-AWG22 leads with reel-fed ring and fork terminals.

— Lighting and sensor leads: short cut lengths with a twisted bare end for soldering or terminal posts.

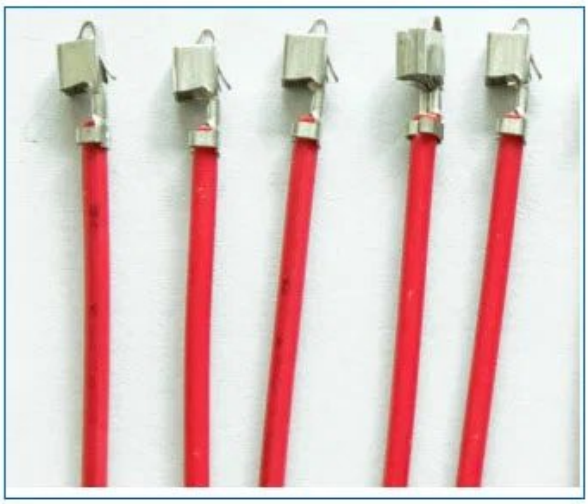
— Automotive and motorcycle sub-harnesses: mixed batches where the die is changed several times per shift.

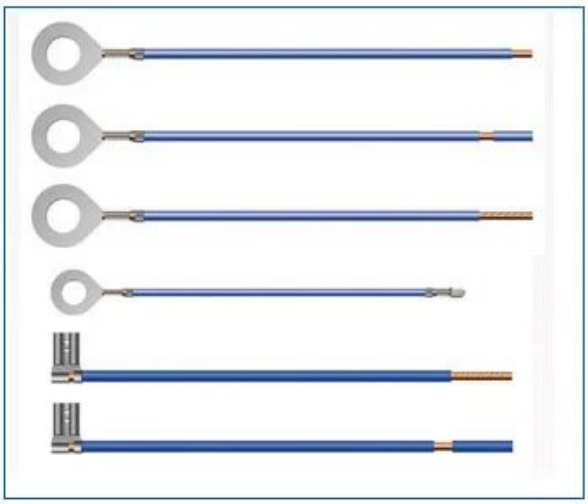
— Switch and relay panel leads using insulated spade terminals from reel stock.

Processing effect display

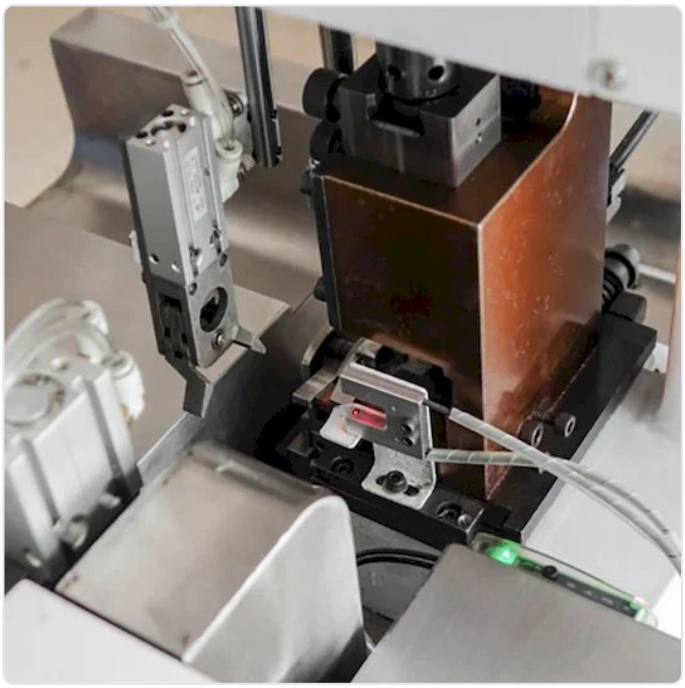








Product Images







FAQ

What wire sizes can the Automatic Cable Stripping Crimping Twisting Machine handle?

This machine is designed to process a wide range of wire gauges, specifically from AWG14 to AWG28. This versatility makes it suitable for various industrial applications requiring different wire thicknesses, from heavier power cables to finer control wires.

What functions does this automatic wire processing machine perform?

It is a fully integrated solution that performs four key functions: cutting wires to length, stripping insulation from both ends, crimping terminals onto the stripped ends, and twisting multiple wires together. This automation streamlines the entire process of creating cable harnesses and assemblies in a single operation.

How difficult is it to change the machine's tooling for different jobs?

The machine features a quick die changeover system, significantly reducing downtime between production runs. This allows operators to swiftly switch tooling for different wire sizes, terminal types, or processing requirements, enhancing overall productivity and flexibility in a workshop environment.

What are the main benefits of using an automatic machine for cable processing?

Key benefits include dramatically increased production speed and consistency compared to manual methods, reduced labor costs, minimized human error for higher quality crimps and strips, and improved worker safety by automating repetitive tasks. It's an ideal industrial cable harness solution for boosting output and reliability.

Is this machine suitable for high-volume cable harness production?

Yes, absolutely. As a fully automatic wire processing machine, it is engineered for industrial-scale, high-volume production. Its ability to cut, strip, crimp, and twist in one seamless cycle makes it a cornerstone for efficient cable harness manufacturing, ensuring fast, uniform, and reliable results batch after batch.