Automatic Double-Head Vibrating Crimp Machine for Insulated Terminals JW-CM05

Model No. JW-CM05



SPECIFICATIONS

Automatic Double-Head Vibrating Crimp Machine for Insulated Terminals	
Heads	Double-Head
Feeding System	Vibrating Plate
Terminal Type	Insulated Tubular Terminals
Processing Capacity	1500+ per hour
Functions	Cut, Strip, Twist, Crimp
Control System	Intelligent Operating System

JW-CM05 is built around two crimping heads, each fed by its own vibratory plate. Loose insulated tubular terminals are oriented in the bowls and delivered to the heads, while the wire is cut, stripped and twisted; each head presses a terminal on its own end, so both ends of the lead are terminated without a terminal reel.

Loose insulated terminals are normally loaded by hand into a hand press or a bench applicator. The vibrating plate removes that loading, and the double head removes the second handling pass, so one operator supervises both ends of the lead from a single control screen.

Output is quoted at 1500+ pcs/h, below the reel-fed machines in this group because each terminal is handled as a discrete part. The trade-off is terminal type: this machine takes loose insulated tubular terminals, and the intelligent control system stores the head and feed settings for repeat batches.

Key Features

1. Double-head design crimps both wire ends, each head with its own vibrating plate feeder.

2. Handles loose insulated tubular terminals, so no terminal reel or applicator change is needed.

3. Cut, strip, twist and crimp performed in one cycle.

4. Capacity of 1500+ pcs/h.

5. Intelligent operating system stores process settings for repeat batches.

6. Two wire dereelers on tall posts keep both feed paths clear of the crimping area.

Technical Specifications

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Applications

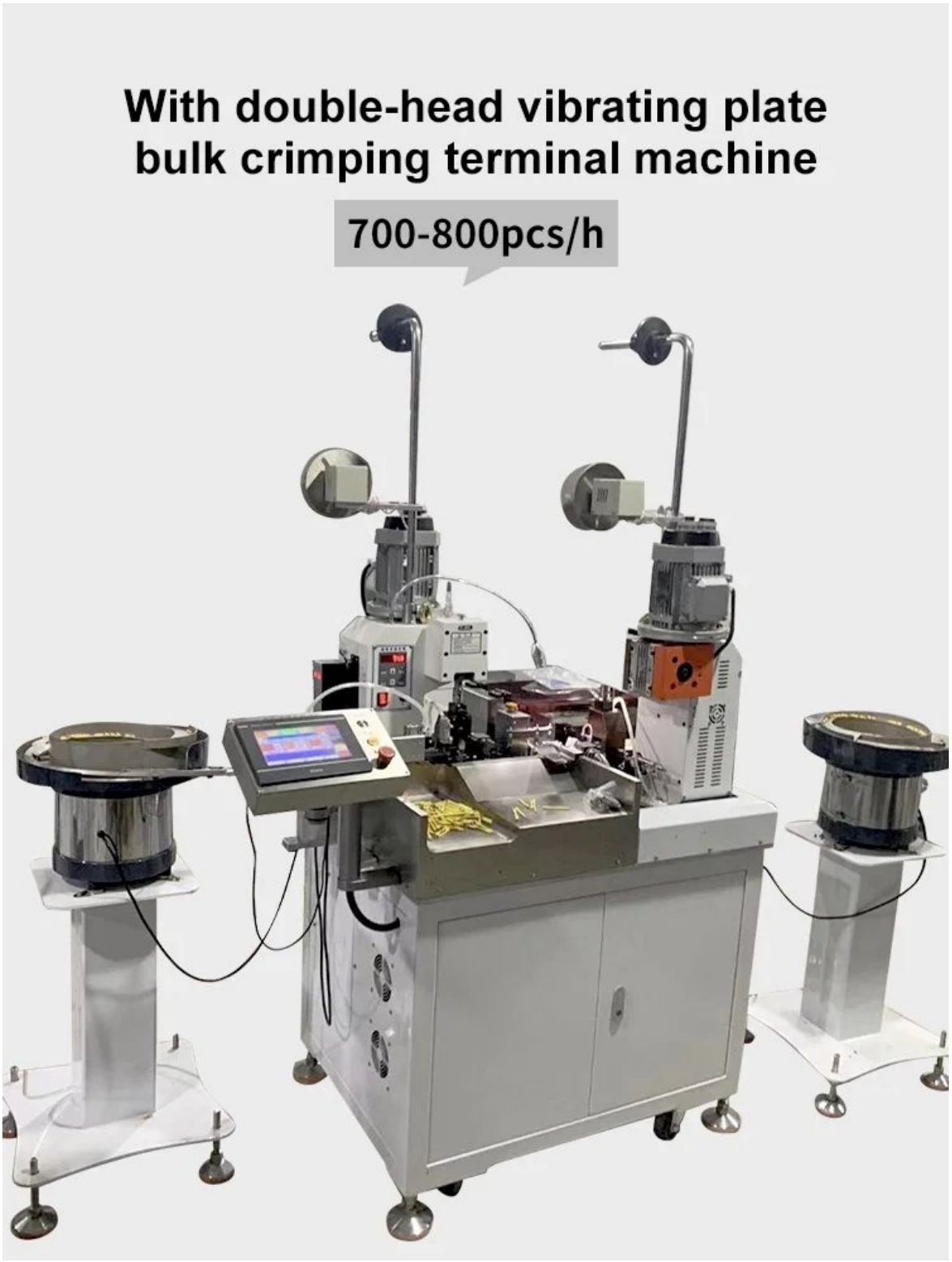
— Appliance internal wiring with insulated tubular terminals at both ends.

— Control cabinet wiring using insulated cord-end ferrules.

— Terminal blocks and relays: ferrule-terminated leads, both ends.

— Lighting and power distribution leads with insulated tubular terminals.

— Panel builders running short batches of ferrule-terminated leads with frequent terminal changes.


With double-head vibrating plate
bulk crimping terminal machine
700-800pcs/h

PRODUCT DETAILS



Vibrating plate

Vibration plate terminal automatically sorts and feeds, saving labor and higher efficiency

Mature design

Its mature design can make the processing efficiency reach more than 1500 per hour





Touch screen operation

Fully intelligent operating system, convenient debugging simple operation



Capacity	100mm long 1500 strips/hour
Applicable wire diameter	AWG22#-AWG16#
Processing length	Leave glue in the middle 30mm-690mm
Stripping length	1mm-15mm ideal range
Sheath detection	With/without detectable
Terminal detection	With/without detectable
Missing line detection	With/without detectable
Cutting error	Modifiable
power supply	AC220 single phase 8A
weight	400kg
size	Length 1200mm*Width 800mm*Height 1500mm

PRODUCT PARAMETER



Processing sample display

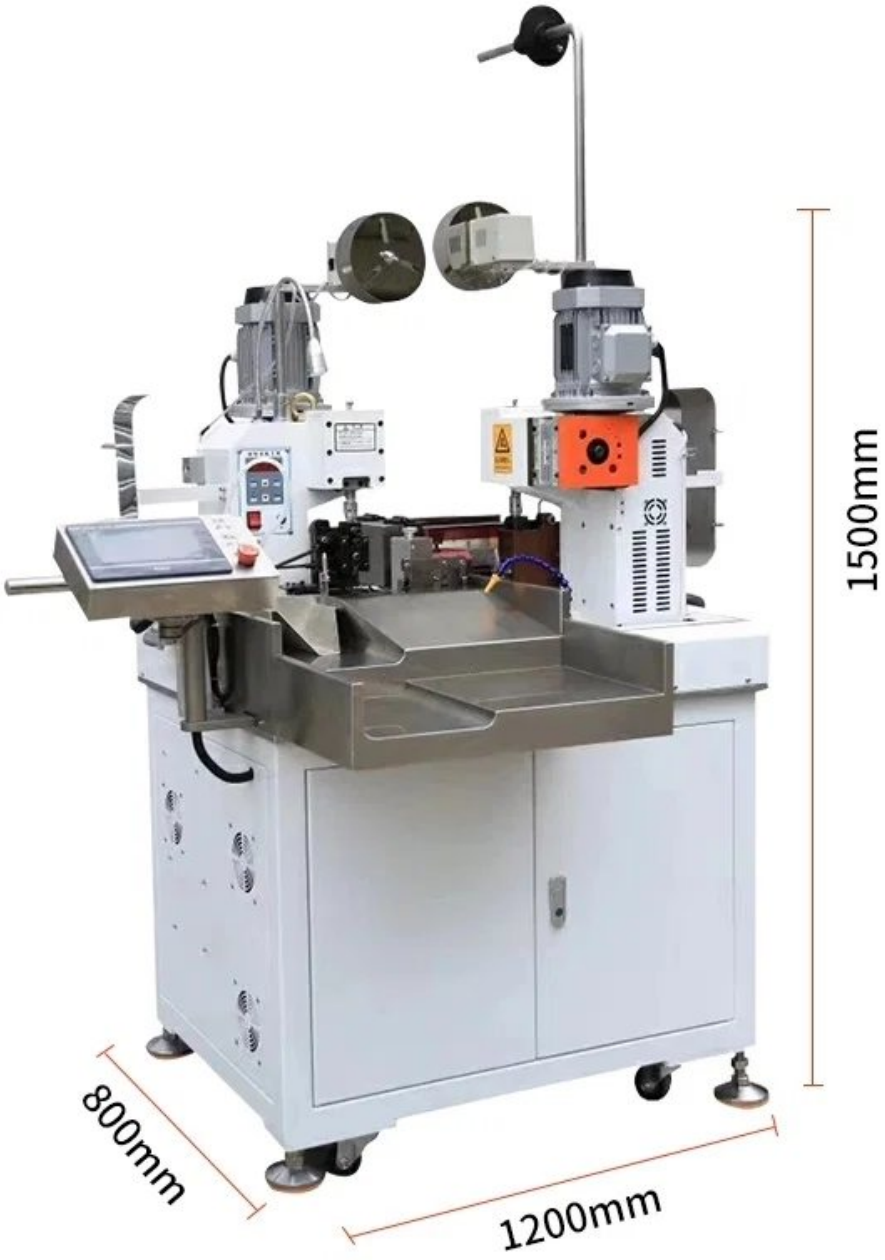
The two ends of the wire can be cut, stripped, twisted, and crimped insulated tubular terminals







PRODUCT PARAMETERS



Product Images



FAQ

What is the primary application of the Automatic Double-Head Vibrating Crimp Machine?

This machine is engineered for high-volume, precision crimping of insulated terminals in wire harness manufacturing. It is ideal for industries such as automotive, appliance, consumer electronics, and industrial control, where reliable, consistent, and efficient termination of wires with insulated terminals is required.

How does the vibrating plate feeding system work and what are its benefits?

The machine utilizes a vibrating bowl feeder that automatically orients and feeds loose insulated terminals to the crimping heads. This system eliminates manual loading, ensures a continuous supply of terminals, and significantly boosts production efficiency while reducing operator fatigue and the potential for feeding errors.

What are the advantages of the double-head design in this crimping machine?

The dual-head configuration allows for simultaneous crimping of two terminals, effectively doubling output compared to single-head machines. This design is perfect for processing both ends of a single wire or for running two separate crimping applications, maximizing productivity and providing excellent flexibility for different wire harness configurations.

What production speed can be expected from this automatic crimping machine?

This high-speed automatic crimping machine is capable of producing over 1,500 crimps per hour. The combination of automatic vibrating feeding, dual-head operation, and rapid cycle times ensures a dramatic increase in output, making it a cornerstone for streamlining wire harness assembly lines and meeting demanding production schedules.

How does this machine ensure consistent and reliable crimp quality for insulated terminals?

The machine is built with precision tooling and a robust mechanical press that delivers a uniform crimp cycle every time. It is designed to handle the specific dimensions and insulation of terminals, applying the correct force to create a secure electrical and mechanical connection without damaging the terminal's insulating sleeve, ensuring long-term reliability in the final harness.