Automatic Wire Stripping & Crimping Machine 5000pcs/h WPM-2008A2

Model No. WPM-2008A2



SPECIFICATIONS

Wire Stripping & Crimping Machine 5000pcs/h WPM-2008A2	
Measurement	W410×L460×H420mm
Weight	85kg
Power Supply	AC220V
Compressed Air	0.6MPa
Pressure	2000kg
Stripping Length	1.0-7.0mm
Capacity	AWG#18-36
Feed Way	Side feed
Production Capacity	5000-6000pcs/h

The WPM-2008A2 is an automatic wire stripping and crimping machine for AWG#18 to AWG#36 wire. It strips 1.0–7.0 mm at the end and crimps the terminal in the same cycle, producing 5000–6000 pcs/h with 2000 kg of crimping pressure from 0.6 MPa compressed air. The unit measures 410 × 460 × 420 mm, weighs 85 kg and runs on AC220V.

The terminal strip is fed from the side, with the reel carried above the press and the strip guided down past the stripping station, so the crimp point and the strip point sit in one plane and the wire never leaves the clamp between the two operations. Pressure is applied by a pneumatic press at 2000 kg rather than by a lever, which holds the crimp height constant across a run. Side feed also leaves the front of the applicator open for the operator to change terminals.

It is the higher-throughput of the two crimping models and the lighter press. The WPM-2008A2-E uses end feed, strips to 10 mm instead of 7 mm, and raises pressure to 3000 kg at 3000–3500 pcs/h. The 2008A2 is the choice for short strip lengths on small terminals where 5000–6000 pcs/h matters more than strip reach.

Key Features

1. Stripping and crimping in one cycle at 5000–6000 pcs/h, with no second handling of the wire between the two operations.

2. 2000 kg pneumatic crimping pressure from a 0.6 MPa air supply, applied by press rather than by a hand lever.

3. Strip length 1.0–7.0 mm, set for the terminal series in use.

4. AWG#18–36 capacity covers small-gauge signal and control wire on one applicator.

5. Side feed carries the terminal strip in from the side, keeping the front of the applicator clear for terminal changes.

6. 410 × 460 × 420 mm, 85 kg, AC220V: a bench-top unit that needs no floor space or foundation.

Technical Specifications

Parameter	Specification
Model	WPM-2008A2
Machine type	Automatic wire stripping and crimping machine
Wire capacity	AWG#18–36
Stripping length	1.0–7.0 mm
Production capacity	5000–6000 pcs/h
Crimping pressure	2000 kg
Compressed air	0.6 MPa
Feed way	Side feed
Power supply	AC220V
Dimensions (W×L×H)	410 × 460 × 420 mm
Weight	85 kg

Applications

— Appliance wiring harness: AWG#18–24 leads stripped at 1.0–7.0 mm and crimped with a ring or spade terminal.

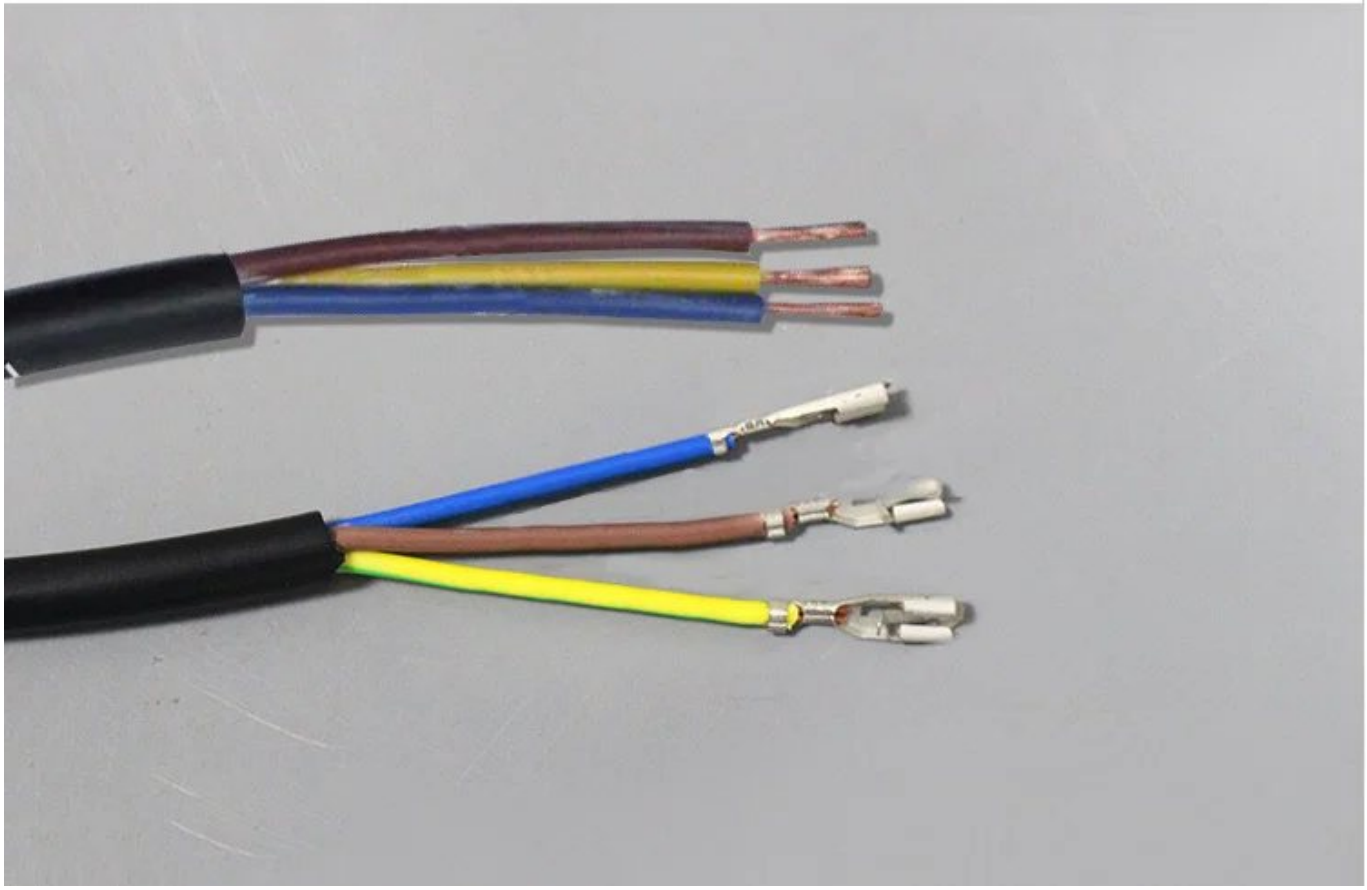
— Control panel harness: AWG#22–28 signal wire terminated in one pass at 5000–6000 pcs/h.

— Sensor and connector leads: short strip lengths on fine AWG#28–36 wire.

— Automotive sub-harness: small-gauge branch wires stripped and crimped before loom assembly.

— Electronic module pigtails: terminal crimped at a fixed height on every piece without a height adjustment between reels.

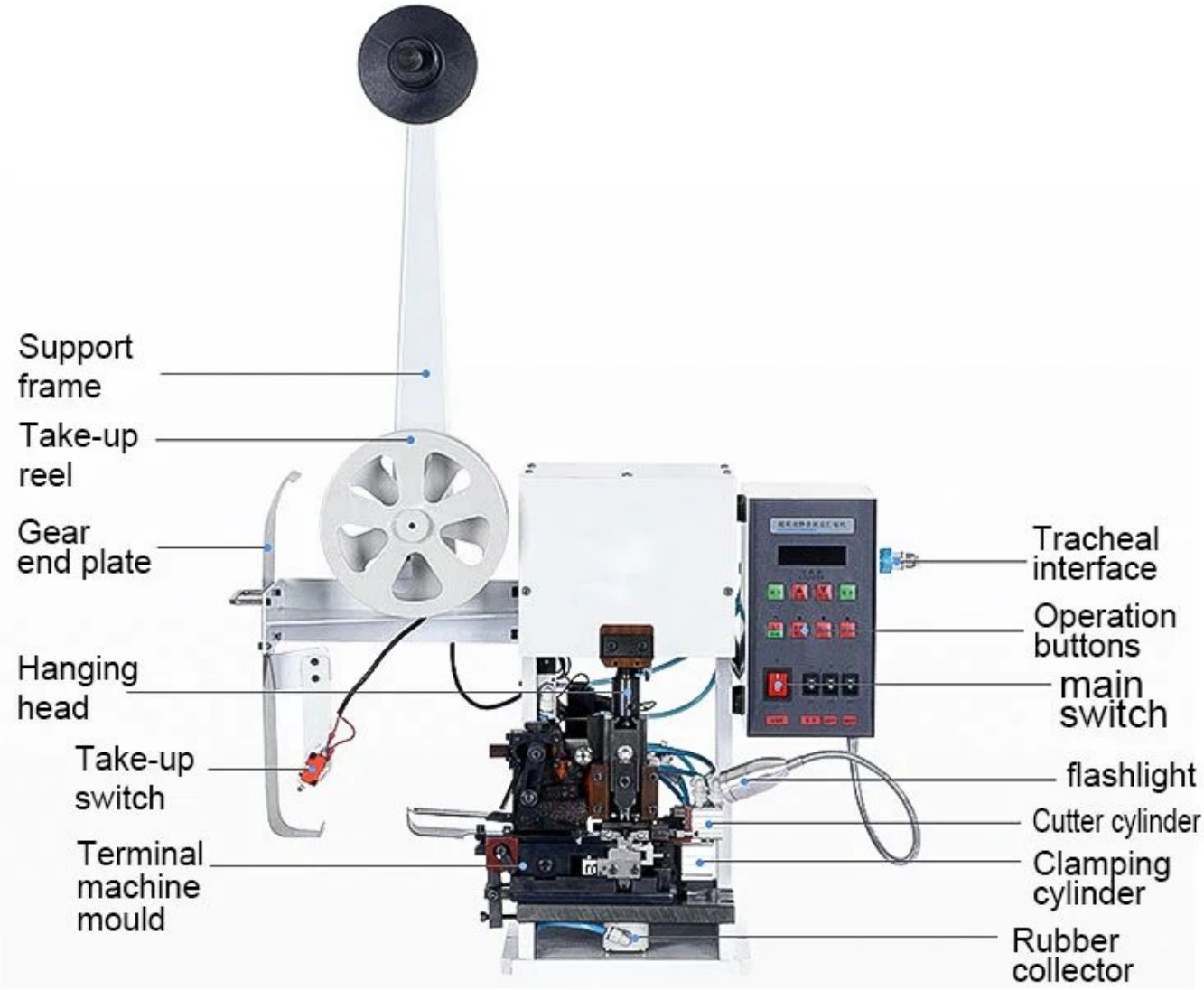
Stripping and crimping effect

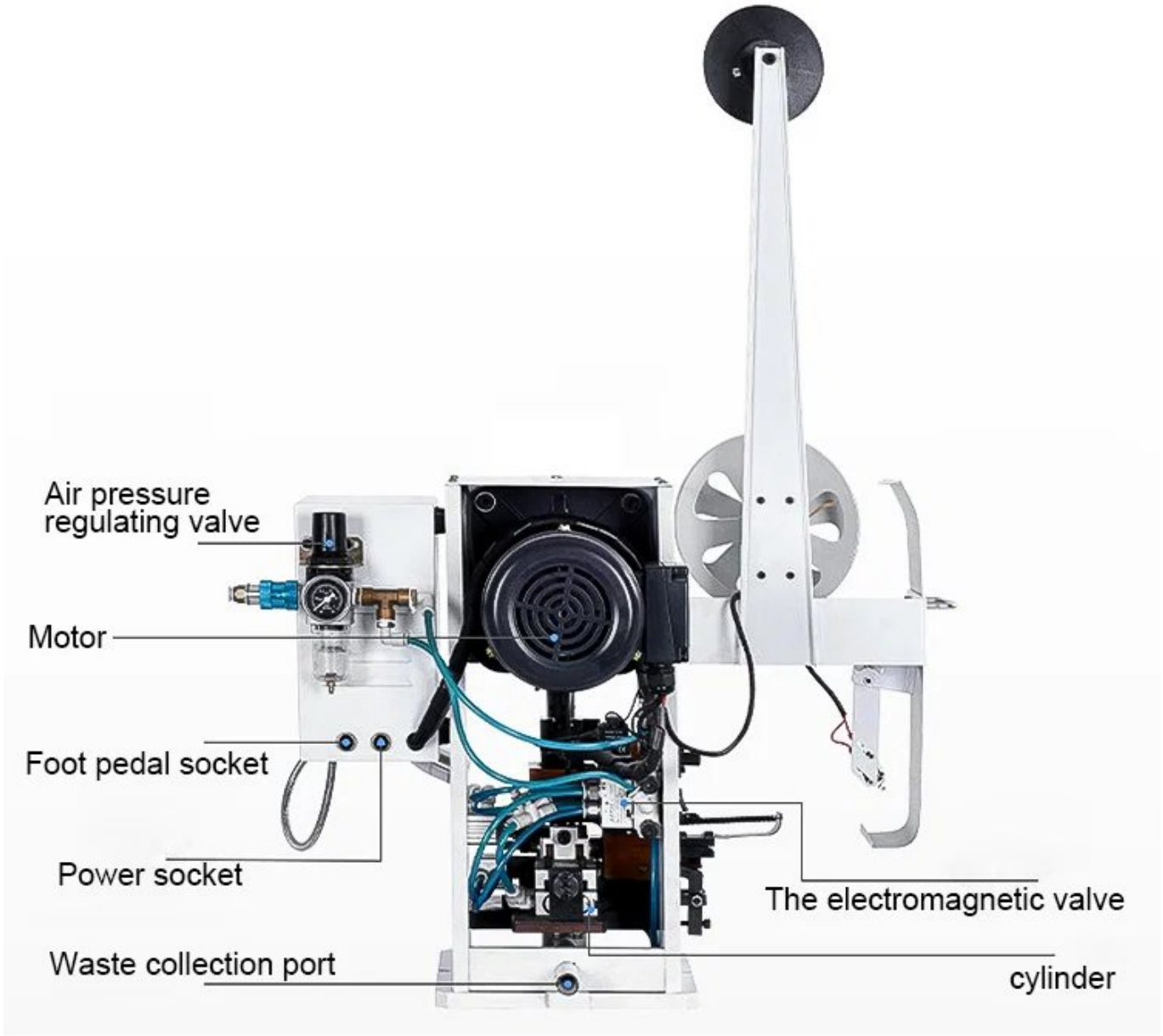




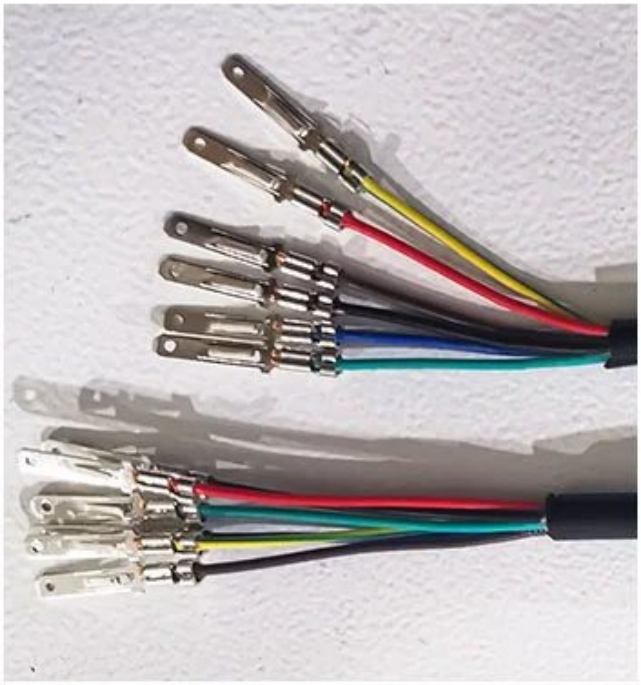



TE
connectivity
CORRUGATED
PACKAGING
973050-2
PRODUCT ID
830mm
530mm
400mm


Support frame
Take-up reel
Gear end plate
Hanging head
Take-up switch
Terminal machine mould
Tracheal interface
Operation buttons
main switch
flashlight
Cutter cylinder
Clamping cylinder
Rubber collector

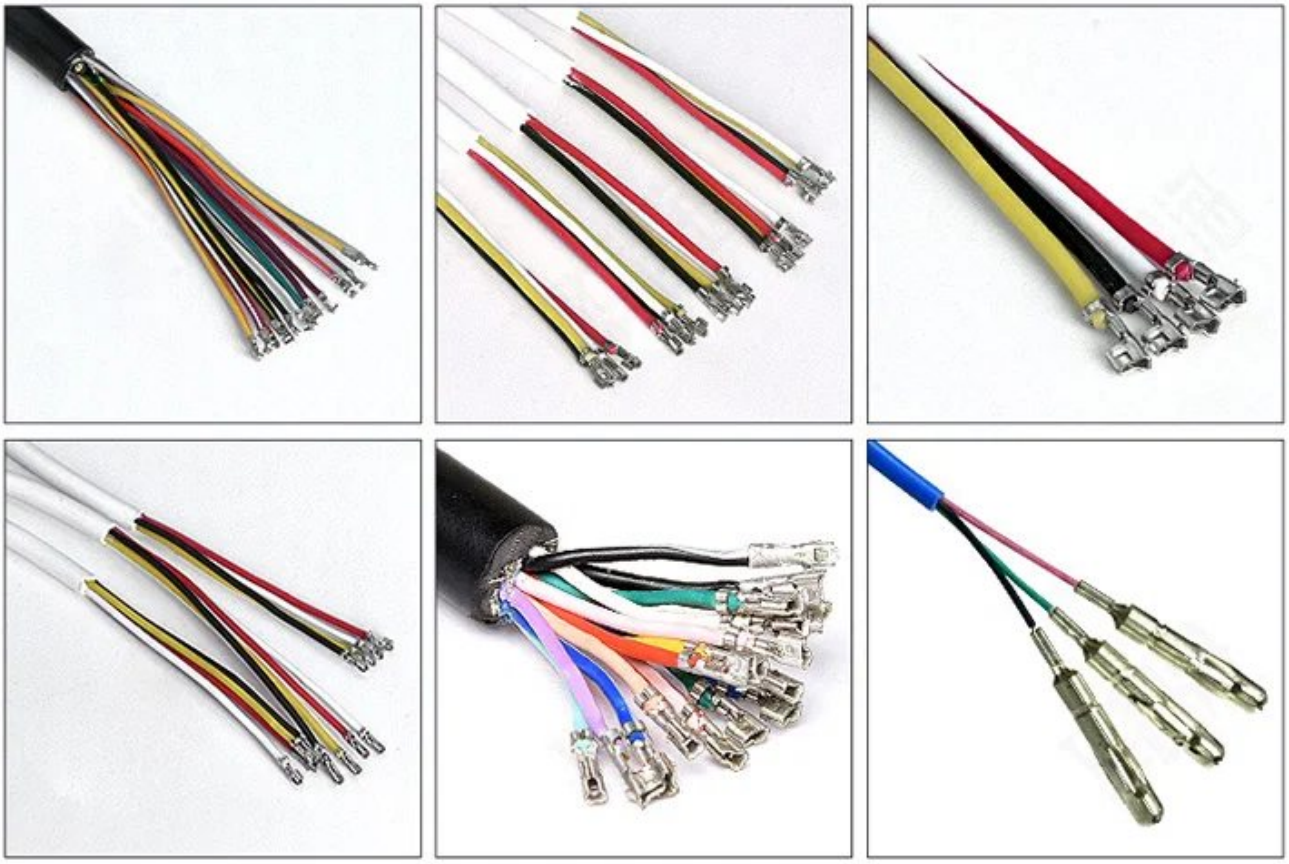

Air pressure regulating valve
Motor
Foot pedal socket
Power socket
Waste collection port
The electromagnetic valve
cylinder

Applicable terminals: DC terminals, AC terminals, single-grain terminals, connected terminals, and other horizontal strip terminals
Applicable wire: electronic single wire, multi-core wire, flat cable, computer core wire, USB data cable, earphone cable, audio cable, etc.









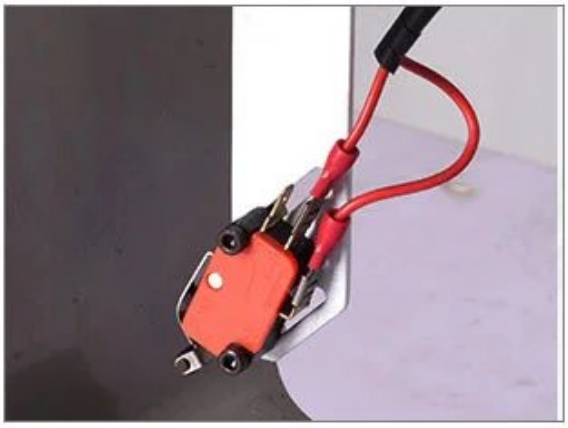


Operation panel

LED display, Chinese panel, simple operation, sturdy and durable, fast response, with counting function

Tact switch

When the tape feeding reaches a certain level, touch the paper take-up switch to facilitate automatic paper take-up and auxiliary feeding



horizontal feed terminal mould close-up beside flexible LED work light

FAQ

What are the key features and capabilities of the JINGWEI WPM-2008A2 Wire Stripping Crimping Machine?

The JINGWEI WPM-2008A2 is a high-performance, fully automatic wire processing machine designed for industrial cable harness manufacturing. Its key features include precise servo-driven control for accurate strip lengths and crimp depth, the ability to handle a wide range of wire gauges, and simultaneous stripping and crimping operations for maximum efficiency. It is built with durable components for reliable, continuous operation in demanding production environments.

What types of terminals and wire sizes can the WPM-2008A2 machine process?

The WPM-2008A2 is a versatile wire termination machine capable of processing a broad spectrum of terminals, including insulated and non-insulated types. It is engineered to handle wire sizes typically ranging from AWG 32 to AWG 16, though exact specifications should be confirmed with the manufacturer. This flexibility makes it suitable for various applications in automotive, appliance, and electronics manufacturing.

How does the JINGWEI WPM-2008A2 ensure consistent quality in wire processing?

Consistent quality is achieved through advanced technological integration. The machine utilizes precision servo motors and a programmable logic controller (PLC) system to ensure repeatable accuracy in strip length, strip depth, and crimp quality. Its robust construction minimizes vibration, and built-in error detection systems can halt operation to prevent defective terminations, ensuring high yield rates and reducing material waste.

What support and services does JINGWEI, as the manufacturer, provide with this machine?

As a leading wire processing machine manufacturer from China, JINGWEI provides comprehensive support. This typically includes detailed operational training, a standard warranty, access to technical manuals, and readily available spare parts. Their global service network ensures customers can receive professional installation guidance and timely technical assistance to maintain optimal machine performance and uptime.

What are the primary benefits of automating wire termination with the WPM-2008A2 strip and crimp machine?

Automating with the WPM-2008A2 offers significant benefits: it dramatically increases production speed and throughput compared to manual methods, ensures uniform and reliable terminations that meet strict industry standards, and reduces labor costs and operator fatigue. This investment enhances overall manufacturing efficiency, improves product consistency, and provides a rapid return on investment for high-volume cable harness production.