

JW Nylon Cable Tie Machine Catalog

Automatic & Semi-Automatic Nylon Cable Tie Solutions for Wire Harness Bundling

Professional nylon cable tie equipment — handheld automatic guns, desktop semi-automatic and special-shaped tie machines, fixed inductive-trigger tensioners and motor stator binding systems, engineered for fast, consistent and labor-saving wire harness bundling across automotive, appliance, electronics and industrial manufacturing.

XIAMEN JINGWEI TECHNOLOGY CO., LTD.



Fixed Cable Tie Automatic Tensioning and Cutting Machine



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Product Overview

Handheld, desktop, fixed and special-shaped nylon cable tie machines for fast, efficient wire harness bundling

Fixed Cable Tie Automatic Tensioning and Cutting Machine



JW-SLQ

Fixed Cable Tie Automatic Tensioning and Cutting Machine (Inductive Trigger)



WPM-2503

Automatic Handheld Nylon Cable Rolling Machine (Cable Twist Tie Machine)



WPM-25100M

Automatic Nylon Cable Tie Machine for Motor Stator Binding



WPM-2502

Handheld Automatic Nylon Cable Tie Gun Machine



WPM-80-150-S

Special-Shaped Nylon Cable Tie Machine for Industrial Harness Bundling



WPM-80-200

Semi-Automatic Cable Tie Machine for Wire Harness Bundling



WPM-80-160

Semi-Automatic Nylon Cable Tie Machine for Wire Harness

Fixed Cable Tie Automatic Tensioning and Cutting Machine (Inductive Trigger)



Description

The JW-SLQ is a fixed-mount automatic cable tie tensioning and cutting machine with inductive trigger design, engineered to replace manual cable tie guns in high-volume production environments. Workers simply place the cable tie into the cavity plate, position the wire harness, and thread the tie through to the induction position — the machine’s internal feed wheel automatically tensions and cuts in 1-1.5 seconds per cycle. Tension is adjustable via a side screw with three gear settings for different tightness requirements, and tail length can be fine-tuned by changing the cover fixture plate thickness. By replacing the cable tie fixture plate, the JW-SLQ adapts to various tie types (thickness 0.8-1.6mm), offering strong versatility for automotive and industrial wire harness binding. Powered by safe and stable DC 24V, its compact L150×W50×H150mm body mounts easily onto any production workstation, significantly reducing worker fatigue and labor costs.

Parameter	Value
Model Number	JW-SLQ
Cable Tie Thickness	0.8-1.6mm
Binding Efficiency	1-1.5 sec/cycle (100mm tie)
Tension Adjustment	3 gears, adjustable via side screw
Tail Length	Adjustable via cover fixture plate
Power Supply	DC 24V
Dimensions	L150 × W50 × H150 mm
Trigger Method	Inductive trigger
Compatible Ties	Replaceable fixture plate for different ties
Application	Automotive wire harness binding

Key Features

- Inductive trigger for hands-free auto tensioning & cutting
- 1-1.5s per cycle, high efficiency vs manual operation
- Adjustable tension (3 gears) & tail length, compact 150mm body

Automatic Handheld Nylon Cable Rolling Machine (Cable Twist Tie Machine)



Description

The WPM-2503 is an automatic handheld nylon cable rolling (twist tie) machine designed for high-volume cable bundling across diverse industries. Unlike standard nylon cable tie guns that use self-locking zip ties, this machine applies twist-style cable ties for fast, secure bundling of wire harnesses, chassis wiring, Christmas light sets, photovoltaic cables and even construction rebar. It achieves up to 2300 pieces per hour with automatic feeding via vibration plate, PLC control and touch screen interface for intuitive operation. The handheld gun head provides excellent maneuverability for bringing the tool directly to large or stationary workpieces, while the host unit supplies continuous tie material through a transfer hose. Tie tightness is manually adjustable for different cable types and sensitivities, and optional waste recycling supports clean, sustainable operation. Compatible with 100mm/120mm/150mm cable ties and bundling diameters from 1-50mm, the WPM-2503 is a versatile industrial solution that dramatically reduces manual tying labor and ensures consistent bundling quality across assembly lines.

Parameter	Value
Model Number	WPM-2503
Cable Tie Length	100mm / 120mm / 150mm
Bundling Diameter	1-50mm
Strapping Speed	Up to 2300 pcs/hour
Tie Tightness	Manually adjustable
Control System	PLC + Touch screen
Feeding Method	Vibration plate automatic feeding
Power Supply	AC 220V
Power	400W
Air Pressure	0.6MPa ±0.5
Dimensions	720 × 660 × 780mm
Weight	130kg
Waste Recycling	Optional
Application	Automotive harness, chassis wiring, Christmas lights, PV cables, rebar binding

Key Features

- 2300 pcs/hour high-speed handheld twist tie operation
- PLC + touch screen, vibration plate auto feeding
- Wide bundling range 1-50mm for automotive, PV, appliance industries

Automatic Nylon Cable Tie Machine for Motor Stator Binding



Description

The WPM-25100M is a specialized automatic nylon cable tie machine purpose-built for motor stator coil binding in electric motor manufacturing. Unlike general-purpose cable tie machines, it is engineered to simultaneously apply 6 to 8 nylon cable ties to stator coils in a single automatic cycle, dramatically accelerating the coil tying process that has traditionally been labor-intensive manual work. The machine features a PLC control system for accurate, stable operation with high positioning precision, and a universal fixture design that accommodates various series motors without requiring fixture changeovers — minimizing downtime between production batches. Bulk cable ties are simply loaded into the vibrating plate, which automatically orients and feeds ties to the gun head via pipeline. Operators activate the complete tying sequence (feeding, reeling, tightening, cutting, waste discarding) via a foot pedal, leaving both hands free to position and handle stators. This hands-free workflow enables one operator to replace three manual workers, delivering estimated labor savings of up to ¥150,000 per year per machine while ensuring consistent, high-quality coil binding. While dedicated to motor stators, the machine can be adapted for other product tying applications once operators are familiar with its operation.

Parameter	Value
Model Number	WPM-25100M
Control System	PLC control
Operation Type	Fully automatic with foot pedal
Tying Capacity	6-8 cable ties simultaneously
Fixture	Universal — no change needed for various motors
Feeding Method	Vibrating plate automatic bulk feeding
Labor	1 operator replaces 3 manual workers
Auto Sequence	Feeding → reeling → tightening → cutting → waste discard
Labor Savings	Up to ¥150,000/year per machine
Application	Motor stator coil binding, series motor manufacturing

Key Features

- Simultaneously ties 6-8 cable ties per cycle for motor stators
- Universal fixture — no changeover for various motor series
- Foot pedal hands-free operation, 1 operator replaces 3 workers

Handheld Automatic Nylon Cable Tie Gun Machine



Description

The WPM-2502 is a high-performance handheld automatic nylon cable tie gun machine that represents the gold standard for high-speed cable bundling in industrial manufacturing. With an astonishing cycle time of just 0.7 seconds per tie, it performs five operations automatically with a single trigger pull: wrapping the tie around the bundle, perforating the tie head, pulling and tightening to the desired tension, cleanly cutting excess material, and collecting waste into a dedicated tank — all in one fluid motion. The system consists of a desktop host unit with vibration plate bulk feeding and a lightweight ergonomic handheld gun (220×85×52mm) connected via a flexible transfer hose, giving operators maximum maneuverability for on-site assembly of large or stationary harnesses. The host can also be fixed as a benchtop station or integrated into fully automated production lines. Binding force is easily adjusted by a knob to accommodate delicate wires or robust cables, and the PLC + touch panel interface provides intuitive parameter setup and monitoring. One WPM-2502 can replace 7-8 manual operators, delivering dramatic labor cost reduction across automotive, aerospace, appliance, telecom, toy manufacturing, goods packing, pipe joint fixing and food packaging sealing applications. Compatible with 2.5×(80-120mm) nylon cable ties, bundling diameters from 1.0mm to 25mm (wire) or 18mm (tube).

Parameter	Value
Model Number	WPM-2502
Cable Tie Spec	2.5 × (80-120mm)
Processing Speed	0.7 sec/piece
Min Bundling Diameter	1.0mm
Max Bundling Diameter (Wire)	25mm
Max Bundling Diameter (Tube)	18mm
Host Power	AC 220V 50/60Hz
Gun Power	DC 24V
Pneumatic Pressure	5 Kg/cm²
Host Dimensions	L650 × W550 × H650 mm
Gun Dimensions	220 × 85 × 52 mm
Control System	PLC + Touch panel
Feeding	Vibration feeding, hose transfer
Binding Force	Adjustable by knob
Waste Collection	Automatic waste tank
Deployment	Handheld / Desktop fixed / Automation line

Key Features

- Blazing 0.7 sec/piece — 5-in-1 auto wrap, perforate, tension, cut, collect
- Ergonomic handheld gun replaces 7-8 manual operators
- Adjustable binding force, vibration auto feeding, PLC + touch panel

Special-Shaped Nylon Cable Tie Machine for Industrial Harness Bundling



Description

The WPM-80-150-S is a specialized automatic nylon cable tie machine purpose-engineered for special-shaped (non-standard) nylon cable ties that standard vibration plate feeders cannot reliably handle. It fills a critical niche in cable harness manufacturing where uniquely shaped or oversized cable ties are required for specific bundling applications. The machine handles nylon cable ties with ribbon widths from 2.5mm to 4.8mm and maximum tying diameters up to 150mm (corresponding to bundle diameters from Φ10mm to Φ30mm depending on tie length), delivering 1500-1800 pieces per hour with fully automatic feeding, strapping and cutting. Pneumatic actuation of the feed roller enables adjustable feed speed, allowing optimization for different tie shapes and materials to prevent jamming. The residual tail length is adjustable from 0-2mm for a clean finish, and maximum strapping force reaches 15N for secure bundling. Controlled by a user-friendly PLC system with touch screen interface, the WPM-80-150-S can be customized based on specific product type, cable tie length and application requirements, making it a versatile and essential solution for cable harness production facilities dealing with special-shaped ties across automotive, electronics, appliance and telecom industries. The robust 125-200kg construction (1200×550×780mm) ensures stable industrial-grade performance.

Parameter	Value
Model Number	WPM-80-150-S
Cable Tie Type	Special-shaped nylon cable ties
Nylon Cable Width	2.5-4.8mm
Max Tying Diameter	80-150mm (Φ10-Φ30mm bundle)
Max Strapping Force	15N
Residual Tail Length	0-2mm (adjustable)
Strapping Ability	1500-1800 pcs/hour
Feeding	Pneumatic feed roller, adjustable speed
Operation	Automatic feeding, strapping, cutting
Control System	PLC + Touch screen
Power Supply	AC220V, 50/60Hz, 750W
Weight	125-200kg
Dimensions	1200 × 550 × 780mm
Customization	Based on product type & tie length
Application	Industrial wire harness bundling, automotive, electronics, appliances

Key Features

- Purpose-built for special-shaped nylon cable ties (2.5-4.8mm width)
- 1500-1800 pcs/hour auto feeding, strapping & cutting
- PLC + touch screen, pneumatic adjustable speed, customizable to products

MODEL: WPM-80-150-S

Semi-Automatic Cable Tie Machine for Wire Harness Bundling



Description

The WPM-80-200 is a semi-automatic cable tie machine designed to handle cable tie types that standard automatic vibration plate feeders cannot accommodate, making it the ideal choice for harness manufacturers working with diverse or non-standard tie designs. Unlike fully automatic machines that rely on vibration bowls, this semi-automatic approach gives operators direct control over tie placement while still automating the critical tensioning, cutting and waste removal steps. It supports nylon cable ties with widths from 2.5-4.8mm and achieves a maximum tying diameter of 200mm (suitable for bundles up to $\Phi 34$ mm), covering diameter steps of 80/100/120/150/160/200mm corresponding to bundle sizes $\Phi 10/\Phi 16/\Phi 20/\Phi 30/\Phi 32/\Phi 34$ mm — the largest capacity in the WPM desktop series. The machine delivers 1500-1800 pieces per hour with pneumatic feed roller actuation providing adjustable feed speed to prevent jamming across different tie types. Residual tail length is adjustable 0-2mm and maximum strapping force is 15N. The PLC control system with touch screen interface enables intuitive operation and parameter management, and the machine can be customized based on specific product type, cable tie length and application requirements. It is widely used for tying all kinds of wires including AC wire, DC wire, PC wire, USB wire and PS/2 keyboard/mouse cables. Built to industrial standards with a 125-200kg frame (1200×550×780mm), the WPM-80-200 offers a cost-effective, reliable and versatile bundling solution.

MODEL: WPM-80-200

Parameter	Value
Model Number	WPM-80-200
Nylon Cable Width	2.5-4.8mm
Max Tying Diameter	200mm ($\Phi 34$ mm bundle)
Diameter Steps	80/100/120/150/160/200mm ($\Phi 10/16/20/30/32/34$)
Max Strapping Force	15N
Residual Tail Length	0-2mm (adjustable)
Strapping Ability	1500-1800 pcs/hour
Operation	Semi-automatic feeding, strapping, cutting
Feeding	Pneumatic feed roller, adjustable speed
Control System	PLC + Touch screen
Power Supply	AC220V, 50/60Hz, 750W
Weight	125-200kg
Dimensions	1200 × 550 × 780mm
Compatible Ties	Ties unsuitable for vibration plate feeders
Application	Wire harness bundling: AC/DC/PC/USB/PS2 cables

Key Features

- Handles cable ties incompatible with vibration plate feeders
- Extra-large 200mm max tying diameter for thick harness bundles
- Semi-automatic PLC + touch screen, pneumatic adjustable speed

Semi-Automatic Nylon Cable Tie Machine for Wire Harness



Description

The WPM-80-160 is a semi-automatic nylon cable tie machine optimized for wire harness production where cable tie designs are not compatible with traditional vibration plate feeding systems. It offers a practical middle ground between fully manual tying and fully automatic vibration plate machines: operators manually present and position the cable tie, while the machine automates the feeding, tensioning, cutting and waste collection cycle for consistent quality and speed. The machine handles nylon cable ties in the 2.5-4.8mm width range with a maximum tying diameter of 160mm (for bundles up to Φ32mm), making it well-suited for medium-to-large wire harnesses commonly found in automotive, appliance, electronics and telecom assemblies. It achieves a throughput of 1500-1800 pieces per hour with pneumatic feed roller actuation allowing adjustable feed speed to smoothly handle diverse tie designs without jamming. The residual tail length is adjustable between 0-2mm for a clean professional finish, and maximum strapping force is 15N. The PLC control system with touch screen provides intuitive operation and parameter management, and the machine can be customized based on specific product type, cable tie length and application requirements. It is widely applied for tying AC wire, DC wire, PC wire, USB wire, PS/2 keyboard and mouse cables and other wire types. Housed in a robust 125-200kg industrial frame (1200×550×780mm), the WPM-80-160 offers a dependable, economical and flexible bundling solution that enhances productivity while maintaining cable tie types.

MODEL: WPM-80-160

Parameter	Value
Model Number	WPM-80-160
Nylon Cable Width	2.5-4.8mm
Max Tying Diameter	160mm (Φ32mm bundle)
Max Strapping Force	15N
Residual Tail Length	0-2mm (adjustable)
Strapping Ability	1500-1800 pcs/hour
Operation	Semi-automatic feeding, strapping, cutting
Feeding	Pneumatic feed roller, adjustable speed
Control System	PLC + Touch screen
Power Supply	AC220V, 50/60Hz, 750W
Weight	125-200kg
Dimensions	1200 × 550 × 780mm
Compatible Ties	Ties not suitable for vibration plate feeding
Application	Wire harness bundling: AC/DC/PC/USB/PS2 cables

Key Features

Semi-automatic design for ties unsuitable for vibration plates
160mm max tying diameter for medium-to-large harness bundles
Compact, cost-effective, PLC touch screen, 1500-1800 pcs/hour

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