Automatic Nylon Cable Tie Machine for Motor Stator Binding WPM-25100M

Model No. WPM-25100M



SPECIFICATIONS

Nylon Cable Tie Machine for Motor Stator Binding WPM-25100M	
Control System	PLC
Operation Type	Automatic
Tying Capacity	6-8 cable ties simultaneously
Application	Motor stator coil binding
Fixture Requirement	No change needed for various motors
Operation Method	Pedal-controlled automatic cycle
Labor Saving	3 operators per device

The WPM-25100M ties motor stator coils with nylon cable ties, six to eight ties in one automatic cycle. The frame carries its own vibratory tie bowl, control box and tying head, and the head is fixed to a separate bench plate that the stator is presented to.

Hand binding a stator means one tie at a time, a tension that changes between operators, and tails that have to be trimmed in a second pass. On the 25100M the ties are oriented in the bowl, fed along a track to the head, and tensioned and cut by the machine under PLC control. The operator holds the stator under the head and starts the cycle with a foot pedal, so both hands stay on the workpiece, and the fixed head keeps the tie line square to the coil ends.

The machine is not a strapping tool. The WPM-A19/A25 and WPM-L300 tension PET or PP band around cartons and bundles, while the 25100M places discrete nylon ties around stator coils and trims the tail in the same cycle. Against a hand tying gun the difference is the count: one cycle places six to eight ties, and the specification puts the labour equivalent at three operators per machine.

Key Features

1. Six to eight cable ties placed in one automatic cycle, at a pitch set by the head rather than by the operator's eye.

2. Vibratory stainless bowl with an orienting track separates and aligns the ties before they reach the head, so the head is not hand-loaded.

3. PLC control with an LCD panel and key switch: the operator starts the cycle and the program is held under the key.

4. Foot pedal cycle start leaves both hands free to hold and index the stator between ties.

5. No fixture change between motor sizes; the stator is presented to the head directly, which removes the jig changeover that hand binding lines need for each frame size.

6. Bowl, control box and tying head on one mobile frame with castors, so the station can be moved to the winding line and back.

Technical Specifications

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Labour equivalent	3 operators per machine

Applications

— Pump and fan motor stators: coil end binding with nylon ties before varnish and assembly.

— Power tool motors: stator and field coil binding on small frame sizes.

— Compressor and HVAC fan motors: coil bundle tying at the end of the winding station.

— E-bike and hub motor stators: multi-point tie binding around the lamination stack.

— Household appliance motors: mixer, blender and extractor stators tied at fixed pitch.

Stringing·Nylon Cable Tie Machine

There are three people on one device, which can save 150,000 a year

At the same time, six or eight cable ties can be tied, and various string motors can be tied without changing the fixture!



Stator nylon cable tie machine

PLC control system

Accurate and stable operation

High positioning accuracy



Features

1. Put disordered bulk material ties into the vibrating plate at will, and transfer the ties to the gun head through the pipeline.



2. Step on the pedal to automatically complete all actions such as feeding, reeling, tightening, cutting, and discarding waste

3.0.8 seconds to complete all actions such as feeding, reeling, tightening, cutting, and discarding waste, including auxiliary time, the entire cycle is about 2 seconds

4. The binding force or tightness is controlled by data adjustment

5. The main body has its own PLC control system, touch screen Chinese display, simple and clear operation

6. Automatically detect the material blocking, if the material blocking is found, the machine will stop immediately and give an alarm and a key clear function

7. To deal with different temperature differences in the area, the equipment is equipped with a temperature control system, which can control the temperature of the cable tie

Product parameters

product name	Stator nylon cable tie machine
model	WPM-25100M
power supply	220V/50HZ
Air pressure	5-6Kg/cm²
Banding efficiency	0.8S/PCS
Cable tie specifications	2.5*100MM (specific to the actual product)
Binding range	Subject to the actual product or customized
Dimensions	L736*W823*H666MM
Gun size	L326*W295*H335MM
Total Weight	About 150KG (with casters, easy to move)



sample display

The machine can tie various series motors without changing the fixture



Product details



Pure copper electric motor

Rate motor
Speed and stability

New design concept

Innovative vibration plate

Randomly put in
Orderly work

Feeding in 0.8 seconds





stainless steel Cable tie gun head platform

Precise positioning
Fine workmanship

It only takes 2 seconds to complete the tie

PLC control system

easy to use
Powerful

Brand new touch screen, Chinese display





switch

One key to get it, emergency start
Let you rest assured!

Focus on details, carefully optimized

Product spotlight



Machine angled view on casters showing bowl and gun head

FAQ

What is the primary function of this Automatic Nylon Cable Tie Machine?

This machine is specifically engineered for the automated binding of motor stators. It replaces manual tying by simultaneously applying nylon cable ties to secure the coil windings, ensuring consistent tension and placement for improved motor reliability and production efficiency in industrial manufacturing settings.

How does the PLC control system benefit the cable tie process?

The integrated Programmable Logic Controller (PLC) provides precise, reliable automation. It allows for easy programming of tie patterns, cycle times, and tension settings, ensuring repeatable high-quality results. The PLC system minimizes operator error, reduces setup time, and enables seamless integration into automated production lines for continuous motor stator processing.

What is the production capacity of this machine?

Designed for high-volume output, this machine can tie 6 to 8 cable ties simultaneously in a single cycle. This multi-tie capability dramatically increases throughput compared to manual methods, significantly boosting overall motor stator production rates while maintaining consistent binding quality essential for industrial wire harness and motor assembly applications.

How does this equipment contribute to labor cost savings?

By automating the repetitive and physically demanding task of stator coil tying, this machine reduces dependency on manual labor. One operator can manage multiple machines, leading to direct labor cost reduction. Additionally, it minimizes fatigue-related inconsistencies and injuries, while increasing overall output—delivering a rapid return on investment through enhanced productivity and lower operational expenses.

Is this machine suitable for different stator sizes and cable tie specifications?

Yes, this industrial cable harness machine is designed with adaptability in mind. It can typically be adjusted or tooled to accommodate various stator diameters and profiles. The system is compatible with standard industrial-grade nylon cable ties (zip ties), and the PLC can store multiple programs for quick changeover between different production batches, making it a versatile solution for diverse motor manufacturing needs.