Automatic Wire Twist Tie Machine for Cable Bundling WPM-845A

Model No. WPM-845A



SPECIFICATIONS

Model Number	WPM-845A
Input Voltage	AC220V 50Hz/60Hz, AC110V 60Hz
Power:	
Bundle Speed	0.75 Sec/Time, 66-75 Times/Minute
Capacity	2200/hour
Dimensions	500(L)×300(W)×350(H) mm
Net Weight	40kg
Ambient Humidity	≤85%RH
Bundle Wire Axle Bracket Height	200mm

The WPM-845A applies a twist tie and does nothing else: there is no winding head. The operator brings a pre-formed coil or a straight bundle to the tie jaw, the machine draws twist tie wire from the spool on the 200 mm bracket, wraps it, twists it and cuts it. Bundles from 5 to 30 mm are closed with a single tie per cycle.

Hand twisting leaves a different number of turns and a different tension on every bundle, and the wrist sets the pace. The 845A runs a PLC sequence over four stepping motors at 0.75 s per tie, 66 to 75 ties per minute and a rated 2200 bundles per hour, so the tie count and the tightness are the same at the end of a shift as at the start.

Compared with the 212 series, the 845A does not coil, which makes it the tying step on its own: it accepts whatever bundle is presented, including hoses and other cylindrical objects up to 30 mm, and takes 500 x 300 x 350 mm of bench. Use it where the coil is formed by hand or by an upstream coiler; use the 212, 212C or 212L where winding and tying have to happen in one cycle.

Key Features

1. Twist tie only - no winding head; the bundle is presented to the jaw already formed.

2. Single tie closes bundles from 5 to 30 mm at any point along the bundle.

3. 0.75 s per tie, 66-75 ties per minute, rated 2200 bundles per hour.

4. PLC control driving four stepping motors for repeatable twist count and tension.

5. Twist tie wire on a 200 mm spool bracket, fed, twisted and cut automatically.

6. Under 200 W, 40 kg, 500 x 300 x 350 mm; AC 220 V 50/60 Hz or AC 110 V 60 Hz.

Technical Specifications

Parameter	Specification
Model	WPM-845A
Function	Twist tie only (no coiling)
Bundle diameter	5-30 mm single tie
Bundle speed	0.75 s/time, 66-75 times/min
Capacity	2200 bundles/hour
Control	PLC with four stepping motors
Bundle wire axle bracket height	200 mm
Input voltage	AC 220 V 50/60 Hz, AC 110 V 60 Hz
Power	below 200 W
Dimensions	500 x 300 x 350 mm
Net weight	40 kg
Ambient humidity	85% RH or below

Model Range at a Glance

Four models in the WPM-845 series share the same 0.6 s tying cycle, ribbon construction and HMI touch screen control. Tie length, bundle diameter and frame size increase from WPM-845A to WPM-845D.

Parameter	WPM-845A	WPM-845B	WPM-845C	WPM-845D
Voltage	**AC 220/50 Hz, AC 110/60 Hz**	AC 220/50 Hz, AC 110/60 Hz	AC 220/50 Hz, AC 110/60 Hz	AC 220/50 Hz, AC 110/60 Hz
Rated power	**⩽100 W**	⩽100 W	⩽100 W	⩽100 W
Dimensions (L×W×H)	**350 × 456 × 315 mm (excluding ribbon cassette)**	380 × 420 × 340 mm (excluding ribbon cassette)	380 × 435 × 340 mm (excluding ribbon cassette)	380 × 435 × 340 mm (excluding ribbon cassette)
Net weight	**25 kg**	32 kg	40 kg	45 kg
Tie length	**65–130 mm**	75–140 mm	120–190 mm	200–300 mm
Bundle diameter	**5–30 mm**	8–30 mm	18–45 mm	40–80 mm
Tying speed	**0.6 s/cycle**	0.6 s/cycle	0.6 s/cycle	0.6 s/cycle
Ribbon	**Steel core, plastic coated**	Steel core, plastic coated	Steel core, plastic coated	Steel core, plastic coated
Control	**HMI touch screen**	HMI touch screen	HMI touch screen	HMI touch screen

Applications

— Harness and cable assembly: tying pre-coiled harness bundles after the coil has been formed upstream.

— Hose and tubing coils: closing flexible hose coils up to 30 mm at the tie point.

— Power cord packing: tying coils and folded leads before bagging or boxing.

— Wire and cable distribution: cutting bulk coils into shorter tied bundles for stock.

— General bundling: cylindrical parts and cable groups where a wire twist tie is preferred to tape.







LCD Display

Touch screen with fast production setup.



Tying Part

Fast tying speed of 0.7 s/time.



























FAQ

What is the production capacity of the WPM-845A Automatic Wire Twist Tie Machine?

The WPM-845A is a high-speed machine capable of producing up to 2200 bundles per hour, with a cycle time of 0.75 seconds per tie. This makes it ideal for high-volume production lines requiring efficient and reliable cable bundling.

What types of materials can the WPM-845A bundle?

This automatic twist tie machine is designed to bundle a wide range of cylindrical objects. It is perfectly suited for wires, cables, hoses, and tubing. Its adjustable settings allow it to handle various bundle diameters and materials commonly used in electrical, automotive, and general manufacturing.

How is the WPM-845A controlled and what are the benefits?

The machine features advanced PLC (Programmable Logic Controller) control. This ensures precise, consistent, and reliable operation. The PLC system allows for easy setup, customization of tie parameters, and provides stable performance with minimal manual intervention, reducing operator error and increasing overall line efficiency.

What are the key technical features that ensure precision?

Precision is achieved through a robust design incorporating four stepping motors. These motors control critical functions like feeding, twisting, and cutting with high accuracy. This multi-motor system ensures consistent tie tightness, precise tie placement, and clean cuts, resulting in professional, secure bundles every time.

What are the main benefits of automating wire bundling with this machine?

Automating with the WPM-845A delivers significant benefits: drastically increased output, consistent bundle quality, and reduced labor costs. It minimizes repetitive strain injuries for workers and ensures uniform product presentation. The PLC-controlled automation also integrates seamlessly into existing production lines, enhancing overall productivity and return on investment.