High-Speed Cable Stranding Twisting Machine WPM-20T

Model No. WPM-20T



SPECIFICATIONS

High-Speed Cable Stranding Twisting Machine WPM-20T	
Machine Type	Cable Stranding Twisting Machine
Operation	Electronic Control
Speed Control	Adjustable Governor
Direction	Forward/Reverse Settings
Motor Type	Pure Copper Motor
Application	Wire Twisting and Stranding
Display	High Quality Visual Interface

The WPM-20T is a high-speed cable stranding and twisting machine rather than a stripper: it takes already prepared conductor ends and twists them into a uniform strand. Control is electronic through a visual interface with a keypad, the governor is adjustable, and the drive runs forward or reverse. It is built as a compact benchtop unit with a carry handle and a row of front-mounted wire clamps.

The difference from twisting by hand or with a plier-type tool is repeatability. Strand pitch and direction are held by the electronic governor instead of operator feel, and the forward/reverse setting lets a lay be corrected or reversed without re-chucking the wire. Because the clamps are on the front face, several leads can be loaded and twisted in sequence without the cable being moved across the bench.

In this group the WPM-20T is the only unit that strands without stripping. The WPM-3F+T and WPM-4F+T strip and twist in the same pneumatic cycle, at 3-25 mm and 3-30 mm respectively, and the WPM-4F+T handles 1-10 wires at a time. The WPM-20T instead stands alone at the twisting station, taking ends that were stripped elsewhere and giving them a controlled lay with an electronic setting rather than a fixed mechanical head.

Key Features

1. Electronic control with a visual interface and keypad for setting speed and strand parameters

2. Adjustable governor holding the set twisting speed across a run instead of a fixed motor speed

3. Forward and reverse direction settings for correcting or reversing the strand lay

4. Pure copper motor in the drive, sized for continuous benchtop operation

5. Multiple front-mounted wire clamps so successive leads can be loaded without repositioning the machine

6. Compact enclosed housing with a carry handle, keeping the drive and controls in one unit

Technical Specifications

Parameter	Specification
Model	WPM-20T

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Machine Type	Cable stranding and twisting machine
Operation	Electronic control
Speed Control	Adjustable governor
Direction	Forward / reverse settings
Motor Type	Pure copper motor
Application	Wire twisting and stranding
Display	Visual interface

Applications

— Cable harness twisting station: stripped leads stranded to a set pitch before tinning

— Network and communication cable assembly: conductor pairs twisted to a controlled lay

— Ground wire preparation: multiple strands consolidated into a single tail for lug crimping

— Appliance and power lead assembly: twisted tails formed uniformly across a production batch

— Rewind and repair work: existing twisted sections re-laid or reversed to match a drawing


Double-head high-speed stranding machine
For wire stranding
Even stranded wire output
WK-20无刷直流绕线机、绞线机

Single-head high-speed stranding machine

Automatic twisting Reversible Data Display





LCD

High display quality, good picture effect,

intuitive and convenient, simple operation at a glance





Winding/stranding head

□Equipped with pure copper motor, stable and high efficiency

Single head



Double head





Power/foot pedal interface

Double insurance power interface, better protection of equipment





FEATURES

01	This machine is mainly for wire twisting, and the twisted wire output is even
02	The speed of twisting can be set by the governor, and the forward and reverse direction can be set
03	Electronic control, simple operation
04	The number of twisted coils can be set by yourself, which is accurate and stable
05	Two-axis, three-axis, and five-axis can be specially made

PRODUCT PARAMETERS



Power: 15W

Weight: 8KG

Volume: 220*200*300mm

Spindle direction: forward and reverse

Active speed: 300-7500 continuously adjustable

Maximum number of stored workpieces: 20 segments

Switching power supply: AC/220W, AC110V

Winding error: 0

Maximum winding wire diameter: 1.2mm (20 skeleton)

Adjustable speed: 1-99

Maximum output statistics: 9999



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Power: 100W
Weight: 10KG
Volume: 220WX240LX240H(mm)
Same spindle direction: forward and reverse
Maximum number of stored workpieces: 20 segments
Power supply: AC110/220V 50/60HZ single phase
Winding error: 0
Stranded wire diameter: 32AWG-16AWG
Operating ability: various specifications of electronic wire twisted type (twist-shaped)



Spindle speed (revolution min): 5000/min
Winding wire diameter can reach: 1.2mm (Φ20 skeleton)
The number of stored workpieces is up to 99 kinds
Each winding process can reach: 20 steps
Switching power supply: AC220V, AC110V
Number of turns that can be wound: 1~9999.9 turns
Winding error: 0
Output statistics can reach: 9999



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Twisted wire samples with white connector ends and red-yellow twisted pairs

Four-view product spotlight of stranding machine: front, back, left side and right side

Double-head stranding machine shown from front, back and both sides on white background

Parts list showing single-head chuck, double-head chuck, foot pedals and power cables

Product Images







FAQ

What types of wire can the WPM-20T high-speed cable stranding twisting machine handle?

The WPM-20T is designed to handle a diverse range of wire sizes and types, including electric wire, winding wire, braided isolation wire, computer connection wire, automobile wire, and twisted wires used in LCD connections, providing exceptional versatility for cable manufacturing.

How does the WPM-20T improve production efficiency in cable manufacturing?

The WPM-20T boosts production throughput with its high-speed stranding capabilities and double-head configuration, reducing processing time. Its adjustable speed governor and forward/reverse settings allow precise control, while robust construction minimizes downtime, maximizing productivity for both small and large-scale operations.

What are the key features of the WPM-20T’ s electronic control system?

The WPM-20T features an electronic control system with a high-quality visual interface, an adjustable governor for speed control, and forward/reverse settings. This user-friendly system simplifies operation and monitoring, ensuring precise and consistent stranding and twisting results.

Is the WPM-20T suitable for both small-scale and large-scale production environments?

Yes, the WPM-20T is adaptable to both small-scale and large-scale production environments. It efficiently handles small batches and high-volume output, scaling to meet various production demands while maintaining high performance and reliability.

What makes the WPM-20T a reliable choice for industrial cable manufacturing?

The WPM-20T is built with robust construction and a pure copper motor, ensuring long-lasting performance and minimal downtime. Its reliable operation, combined with high-speed stranding and precision twisting, makes it an essential tool for modern wire and cable production facilities seeking consistent quality and increased profitability.