



TFN fully automatic cable tying machine

Safe and insulated, efficient and labor-saving, completely eliminating the risks of high-altitude work



Product Overview

The TFN fully automatic cable tying machine is a revolutionary communications construction device designed to safely and quickly complete high-altitude cable attachment and bundling operations through automated technology. Integrating intelligent remote control, high-voltage insulation, and automatic bundling, it directly replaces traditional high-risk, inefficient manual pole climbing, greatly ensuring the safety of construction workers and increasing work efficiency to more than twice that of manual labor. It is an essential tool for reducing costs and increasing efficiency in modern communications projects.

Core functions of the product (solving customer pain points)

- Safe insulation, completely avoid risks

Pain point solution : Manual pole climbing carries high risks such as electric shock and falling.

Our solution : Equipped with professional high-voltage insulating rods that can withstand 100,000 volts of strong electricity ; operators do not need to climb high, and can complete all operations through remote control on the ground, maximizing the safety factor.

- Extremely fast and efficient, double your profits

Pain point solution : Manual attachment is slow, time-consuming and labor-intensive, and the project profit is low.

Our solution : One bundle is completed in 0.6 seconds , and 5 kilometers of cables can be easily attached every day .

Comparison of economic benefits (calculated on a daily basis) :

project	Fully automatic hook-up	Manual work
Required number of people	4 people	5 people



project	Fully automatic hook-up	Manual work
Work efficiency	5 km	2.5 km
Daily profit	About 5520CNY	About 2,400CNY

Conclusion : Using the attached auto-play function, daily profits increased by more than 130% !

- Intelligent remote control, easy to operate

Pain point solution: High-altitude operations are inconvenient, time-consuming and labor-intensive.

Our solution : Equipped with a 20-meter remote control that can be operated through walls. One-touch control automatically completes the entire process of spinning, bundling, and cutting , saving time and effort.

- Ultra-long battery life, worry-free construction

Pain point solution : Short equipment life affects construction progress.

Our solution : Equipped with a 12000mAh large-capacity lithium battery , it can work continuously for more than 1500 times (about 3 kilometers) when fully charged, and it only takes 1.5 hours to charge, meeting the needs of high-intensity operations throughout the day.

- Strong compatibility, one device for multiple uses

Pain point solution : Cables of different specifications require different equipment.

Our solution : 8-58mm wide bundling range , can bundle 8-12 cables at a time, classic Y-shaped bundling head design makes cables easier to place.

Technical parameters at a glance

Project	Parameter
Product Name	TFN Intelligent Cable Tying Machine
Bundling range	8-58mm
Wire diameter	0.85mm (coated iron wire)
Rated voltage	12.8V
Battery capacity and battery life	12000 mAh/set, full charge can work more than 1500 times (about 3 kilometers)
With hanging rod	Insulated fiberglass epoxy pipe, each section is 0.75 meters, can insulate 100,000 volts high voltage
Galvanized iron wire	Each reel is 110 meters long, with a single wire output of 700-750 mm. A single reel can be hung for about 2 kilometers.
Remote control	20 meters in open area, can be used with walls



Project	Parameter
distance	
Single bundling time	About 0.6 seconds
Charging time	About 1.5 hours
Packing size	80*48*11.5 cm

Application scenarios

1. Aerial attachment engineering of communication optical cables/electric cables
2. Fiber-to-the-home (FTTH) overhead line construction
3. Maintenance and bundling of urban wires and cables
4. Any occasion where it is necessary to replace manual climbing poles for high-altitude cable fixing

Why choose TFN fully automatic hook machine?

1. Safety first : high-voltage insulation and remote control operation provide all-round protection for construction workers.
2. Efficiency revolution : 0.6 seconds/time, 5 kilometers of work per day, and construction period shortened by more than half.
3. Profit multiplication : Efficiency improvements directly lead to significant increases in profits (see comparison above).
4. Long-lasting power : Large-capacity battery ensures long-term uninterrupted operation.
5. Easy to use : One-button remote control operation, no complicated training required to get started.

Standard configuration

Intelligent cable bundling host × 1

0.75m insulating rod × 8 pieces

Remote control × 1

Coated iron wire × 2 reels

Battery × 2 sets (12000mAh)

Charger × 1

Diagonal pliers × 1

Instruction manual × 1