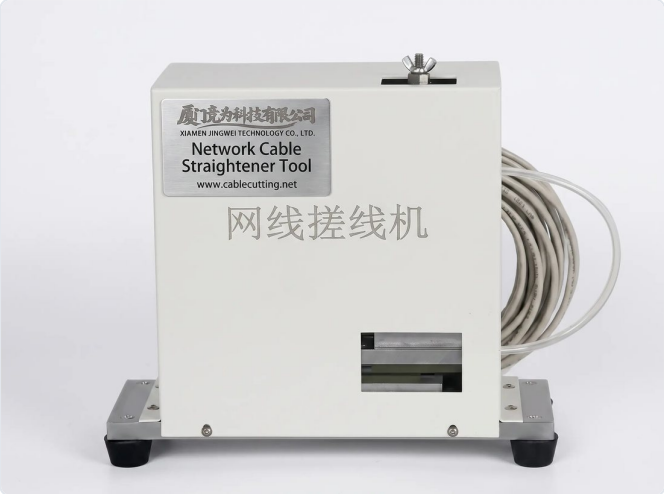
Pneumatic Network Cable Straightener Tool for Cat5/Cat6 WPM-RJ45

Model No. WPM-RJ45



SPECIFICATIONS

Pneumatic Network Cable Straightener Tool for Cat5/Cat6 WPM-RJ45	
Voltage	AC220-240V, DC24V, 3A
Power Mode	Pneumatic
Wire Opening Length	10-60mm
Suitable Wire Type	Multi-core opening and straightening
Control Mode	Foot pedal switch control
Weight	7kg
Dimension	21*11*23cm

The WPM-RJ45 opens the jacket of Cat5 and Cat6 cable and straightens the pairs over an opening length of 10 mm to 60 mm. It is air-driven with a foot pedal, weighs 7 kg and measures 21 x 11 x 23 cm, so it sits on a patch-cord bench next to the crimp tool.

After the jacket is removed, the pairs still carry the lay of the cable, and untwisting them by hand leaves each conductor at a different angle, which is where poor RJ45 terminations start. This tool pulls the pairs straight in one pneumatic stroke: both hands stay on the cable, the pedal starts the cycle, and the 10-60 mm window is set on the machine instead of being judged by eye.

It is not a conductor stripper. The WPM-550 and JW-ST03 strip single conductors, while this unit only opens multi-core LAN cable and straightens the pairs; it is the unit in the range built around the RJ45 assembly step.

Key Features

1. 10-60 mm opening length, matching the jacket window used on Cat5e and Cat6 patch cords.

2. All pairs straightened in one pneumatic stroke, so conductor sequence is kept and the load bar seats without re-work.

3. Foot-pedal control leaves both hands free to hold and position the cable.

4. Air filter-regulator with gauge and lubricator mounted on the rear panel, set once for the shop air line.

5. 7 kg in a 21 x 11 x 23 cm housing on rubber feet, small enough for a dedicated patch-cord station.

6. AC 220-240 V supply with a DC 24 V, 3 A control circuit at the pedal and valves.

Technical Specifications

Parameter	Specification
Model	WPM-RJ45

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Machine type	Pneumatic network cable straightener
Voltage	AC 220-240 V, DC 24 V, 3 A
Power mode	Pneumatic
Wire opening length	10-60 mm
Suitable wire type	Multi-core opening and straightening (Cat5/Cat6)
Control mode	Foot pedal switch
Dimensions	21 x 11 x 23 cm
Weight	7 kg

Applications

— Patch cord assembly: opening and straightening Cat5e/Cat6 pairs before the RJ45 plug is crimped.

— RJ45 harness pre-assembly: preparing pair ends to a fixed 10-60 mm length for the load bar.

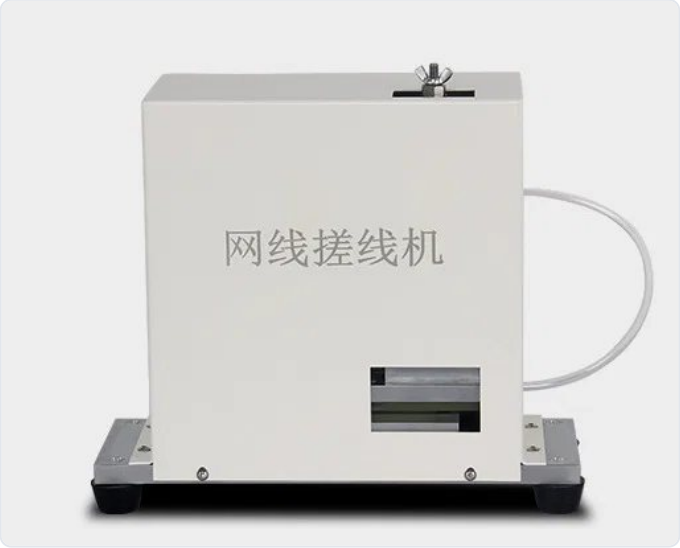
— Network room prefabrication: bench preparation of bulk cable runs cut to length on site.

— OEM LAN cable plants: repeatable pair straightening ahead of the crimp station.

— Telecom service workshops: re-terminating factory and office cabling.

Product Images





FAQ

What types of cables can the Pneumatic Network Cable Straightener Tool WPM-RJ45 handle?

This tool is designed for multi-core wire opening and straightening, specifically suited for Cat5 and Cat6 Ethernet cables. It also works with various braided cables, shielded wires, HDMI, multi-core industrial control lines, USB 3.1, Type C, and similar network cables, making it versatile for automotive, electronics, and wire harness processing industries.

How does the foot pedal control enhance usability for industrial cable straightening?

The foot pedal switch control allows hands-free operation, enabling workers to focus on positioning cables while activating the pneumatic straightening process. This reduces labor intensity, increases efficiency, and minimizes fatigue during repetitive tasks in high-volume harness manufacturing.

What is the wire opening length range, and why does it matter for Cat6 cable preparation?

The wire opening length is adjustable from 10mm to 60mm. This range is critical for preparing Cat6 cables because it allows precise stripping and straightening of the twisted pairs and jacket to the required length for proper crimping of RJ45 connectors, ensuring optimal signal integrity and reliable network connections.

Is this pneumatic cable straightener lightweight and easy to integrate into existing production lines?

Yes, at only 7kg with compact dimensions of 21x11x23cm, the tool is lightweight and portable. It can be easily mounted on workbenches or moved between stations. The pneumatic operation requires standard shop air, and the foot pedal control integrates seamlessly into automated or manual cable harness assembly workflows.

What are the key benefits of using this tool over manual cable straightening for industrial applications?

This pneumatic tool automates the straightening and opening process, reducing labor intensity and increasing consistency. It saves time and effort, ensures quality assurance with durable components for long service life, and prepares cables more uniformly for crimping, which reduces errors in high-speed production environments like automotive and electronics manufacturing.