

Pair Twisting Machine with Backtwist



With the development of communication networks, data cable, as one of its most important transmission media, its amount has rapidly increased with the development of networks. The increase in the network transmission rate also puts higher and higher requirements on the performance of the data cable used. To ensure the high performance of the data cable, more sophisticated production equipment is required to realize the processing technology. The twisting of the insulated core of the data cable is an important part of the entire production process. The stability of the pitch of the twisted pair and the consistency of the tension of the pay-off cable will affect the electrical performance of the finished cable. High-precision twisting pitch and constant tension of pay-off and pay-off are powerful guarantees for high-performance data cables. Our company has many years of experience in research and development and manufacturing of data cable production equipment. We can provide vertical and horizontal twisting machines in two structural forms, suitable for twisting Cat.5e, Cat.6, Cat.6A, Cat.7, Cat. 7A, Cat.8 two insulated core wires. The test performance of the finished cables can meet the requirements of ISO 11801, IEC 61156, ANSI / TIA 568 and other standards.

1. Features

The pair-twisting machine provided by our company has the following characteristics:

- 1) Stable pitch and high precision;
- 2) The tension of the retractable wire is constant and the tension is adjustable;
- 3) The back-twisting rate can be adjusted online, and the operation is convenient;
- 4) Fast twisting speed and high production efficiency;
- 5) Mechanical and electrical integration, PLC control of the whole machine, operation panel adopts color man-machine dialogue touch screen type, humanized design.

2. Main Technical Parameters

Max. core insulation Dia. (mm)	1.40
Max. O.D. of stranding (mm)	2.80
Pitch Changing mode	Mechanical or electronic
Back twist rate (%)	0 ~ 50
Max. Stranding speed of the bow (rpm)	200 ~ 2000
Twisting speed (T/min)	400 ~ 4000
Max. Line speed (m/min)	150
Twisting direction	S or Z

Pay-off and take-up (mm)	$\varphi 500 \times \varphi 250 \times 300 \times \varphi 56$ (bobbin diameter \times barrel diameter \times outer width \times axle hole)
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Product link : <https://www.linttop.com/pair-twisting-machine-with-backtwist.html>