

Drum Twister Laying-Up Machine for Power Cables

The machine is used for stranding power cables with large cross-sections and great length, as well as split conductors and telephone cable. It can strand pre-spire or non-spire cores for stranded cable and can also be used for steel-armor or Cu-screening cable.



Overview

High-Efficiency Drum Twister Laying-Up Machine

This drum twister laying-up machine is designed for high-efficiency power cable production, featuring a robust drum twisting structure. It integrates a tape lapper, pedrail drive, and rotary take-up system linked closely to ensure exact cable pitch and consistent quality. Equipped with multi-safeguards and a stable up-wheel take-up structure, it offers a reliable solution for industrial-scale cable manufacturing.

Key Features

Main Features

- New type high-efficiency drum twisting structure
- Linked tape lapper and pedrail drive for exact pitch control
- Single motor gyration pay-off (rotary or independent operation)
- Passive style pay-off with adjustable tensile force
- Up-wheel take-up structure for enhanced rigidity and stability
- Integrated multi-safeguard systems for easy and reliable operation

Technical Specifications

Model Specifications

| Model | Take-up Bobbin | Max Output Dia. (mm) | Strander Speed (rpm) | Output Speed (m/min) |
|----------|----------------|----------------------|----------------------|----------------------|
| JPD-2500 | !2500 | 120 | 30 | 50 |
| JPD-3150 | !3150 | 130 | 21 | 42 |
| JPD-3500 | !3500 | 150 | 20 | 31 |
| JPD-4000 | !4000 | 150 | 18 | 28 |

Cable Pitch Range: 111 – 9298 mm

System Configuration

Standard Configuration: Rotary pay-off, Guiding unit, Assembling plate, Fill stand, Die holder, Rotary caterpillar, Steel armor, Electrical system

Performance Metrics

Maximum Output Speed

50 m/min

Max Speed