

Drum Twister Laying-Up Machine for Cable Stranding

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



Overview

High-Efficiency Cable Stranding Solution

The Drum Twister Laying-Up Machine is designed for high-efficiency cable stranding and laying-up processes. It features a new type of drum twisting structure combined with a rotary caterpillar and tape lapper to ensure exact cable pitch. Engineered for reliability, the machine includes multi-safeguards and a robust up-wheel take-up structure to maintain stability during high-speed operations.

Performance Metrics

Key Performance Indicators

111 mm

Min Cable Pitch

9298 mm

Max Cable Pitch

50 m/min

Max Output Speed

Technical Specifications

Model Specifications Table

Specification	JPD-2500	JPD-3150	JPD-3500	JPD-4000
Take-up bobbin	!2500	!3150	!3500	!4000
Max dia. of output (mm)	120	130	150	-
Strander speed (rpm)	30	21	20	18
Output speed (m/min)	50	42	31	28

System Configuration

Standard Configuration

- Rotary pay-off
- Guiding unit
- Assembling plate
- Fill stand
- Die holder
- Rotary caterpillar
- Steel armor unit
- Electrical control system

Safety & Control

Multi-safeguards, Emergency Stop, Protective Guarding, Precise Pitch Control

Operational Features

Mechanical Advantages

- Passive style pay-off with adjustable tensile force
- Single motor gyration pay-off for independent or synchronized rotation
- Up-wheel take-up structure for enhanced rigidity and reliability
- Integrated tape lapper and pedrail drive for precise pitch control
- Equipped with multi-safeguards for easy and reliable manipulation