MERHEIN
Technical Datasheet

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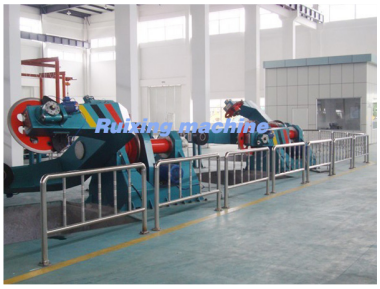
Drum Twister Laying-Up Machine for Cable Manufacturing

This machine strands 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 and is also used for steel-armoring or Cu-screening cable.



Overview

High-Efficiency Cable Laying-Up Solution

This Drum Twister Laying-Up Machine is engineered for high-efficiency cable manufacturing, featuring a new type of drum twisting structure for superior performance. The system integrates a tape lapper, pedrail drive, and rotary take-up to ensure precise cable pitch and consistent quality. Designed with a focus on reliability and operator safety, it includes multiple safeguards and a robust up-wheel take-up structure.

Key Features

Core Features

- New type drum twisting structure for high efficiency
- Linked tape lapper and pedrail drive for exact cable pitch
- Single motor gyration pay-off with independent or synchronized rotation
- Passive style pay-off with adjustable tensile force
- Up-wheel take-up structure for enhanced rigidity and stability
- Integrated multi-safeguard system for safe operation

Technical Performance

Performance Metrics

111 mm	9298 mm	150 mm
Min Cable Pitch	Max Cable Pitch	Max Output Diameter

Model Specifications

Model Comparison

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

System Configuration

Standard Components	Rotary Pay-off, Guiding Unit, Assembling Plate, Fill Stand, Die Holder, Rotary Caterpillar, Steel Armor, Electrical System

Operational Safety

Safety & Control

Multi-Safeguards • Adjustable Tensile Force • Rigid Up-Wheel Structure • Precise Pitch Control