

# Drum Twister Laying-Up Machine for Cable Production

This machine strands power cables with large cross-sections, split conductors, and telephone cables. It is also suitable for steel-armor or copper-screening cables.



## Overview

### High-Efficiency Cable Laying-Up Solution

The Drum Twister Laying-Up Machine is designed for high-efficiency cable production, featuring a new type of drum twisting structure that ensures convenient operation. The system integrates a tape lapper, pedrail drive, and rotary take-up linked tightly to maintain exact cable pitch. Its versatile design allows the pay-off to rotate in sync with the take-up or operate independently, providing flexibility for various manufacturing requirements.

## Key Features

### Main Characteristics

- 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 reliability
- Equipped with multi-safeguards for easy and reliable manipulation

## Technical Specifications

### Performance Metrics

| Model Specification | 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 mm**  
Min Cable Pitch

**9298 mm**  
Max Cable Pitch

## System Configuration

### Standard Components

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