

Planetary Cable Stranding Machine

This machine manufactures wire without back twisting, such as copper and aluminum strands, and ACSR. With a pressing device, it strands sector conductor, round conductor, and compacted & pre-spiraled separated conductor.



Product Overview

High-Performance Planetary Stranding

This planetary cable stranding machine is engineered for precision wire twisting, featuring robust construction suitable for demanding industrial environments. It offers versatile bobbin loading options and advanced control systems, including optional PLC and touch-screen interfaces for precise speed and tension management. Designed for consistent lay length and uniform tension, this equipment is ideal for manufacturing power and control cables.

Technical Specifications

Machine Parameters

Parameter	500/12+18+24	630/12+18+24
Stranding cage speed (r/min)	61-164	46-124
Stranding pitch (mm)	50-903	66-1197

Wire Capacity

1.5 mm Copper Wire Min	5 mm Copper Wire Max	1.8 mm Aluminum Wire Min	5 mm Aluminum Wire Max
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Production Metrics

45 mm Production Diameter	2500 mm Haul-off Wheel Diameter	55.1 m/min Max Production Speed
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Machine Features

Tension Control Methods

- Mechanical friction control
- Air force tension control
- Electric constant tension control

Bobbin Loading Options

Bottom-loading, Top-loading, Side-loading

Wire-Breaking Test Methods

Mechanical, Electrical, Combined

Configuration

Included Components

- Pay-off strand
- Stranding cartage
- Compact die stand
- Double draught wheels
- Take up and traverse device
- Mechanical transmission system
- Electrical control system
- Group loading/unloading spools devices
- Compact & pre-spiral device
- Taping head