

# 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

<b>1.5 mm</b> Copper Wire Min	<b>5 mm</b> Copper Wire Max	<b>1.8 mm</b> Aluminum Wire Min	<b>5 mm</b> Aluminum Wire Max
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### Production Metrics

<b>45 mm</b> Production Diameter	<b>2500 mm</b> Haul-off Wheel Diameter	<b>55.1 m/min</b> 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