

Frame Stranding Machine for Copper and Aluminum Strands

This machine manufactures wire without back twisting, including copper and aluminum strands, and ACSR. With a pressing device, it strands sector, round, and compacted conductors.



Overview

High-Performance Frame Stranding Machine

This industrial-grade frame stranding machine is engineered for the precise production of copper and aluminum strands. It features a robust, eccentricity-free twisting cage and offers flexible bobbin loading options, including bottom, top, and side configurations. With advanced PLC control options and consistent tension management, this machine ensures high-quality cable manufacturing with reliable performance for demanding industrial environments.

Technical Specifications

Technical Parameters

Parameter	Copper	Aluminum
Single Wire Diameter (mm)	1.5 - 5.0	1.8 - 5.0
Production Diameter (mm)	45	45
Stranding Cage Speed (r/min)	61 - 164	46 - 124
Stranding Pitch (mm)	50 - 903	66 - 1197
Haul-off Wheel Diameter (mm)	2000	2500

Production Speed

8.2 m/min

Min Speed

55.1 m/min

Max Speed

Operational Features

Clamping Methods

- Pneumatic clamping
- Manual clamping (worm gears)
- Manual clamping (hand wheels)

Wire-Breaking Test Methods

- Mechanical
- Electrical
- Combined Mechanical and Electrical

Bobbin Loading Options

Bottom-loading, Top-loading, Side-loading

Machine 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 and unloading spools devices
- Compact & pre-spiral device
- Taping head

Charge Reel Specification

PN2500