

Frame Stranding Machine for Copper, Aluminum, and ACSR Strands

This frame stranding machine is designed for producing high-quality copper, aluminum, and ACSR (Aluminum Conductor Steel Reinforced) strands. It features a multi-frame construction, allowing for simultaneous stranding of multiple wires.



Overview

High-Efficiency Frame Stranding Machine

This frame stranding machine is engineered for the precise production of copper, aluminum, and ACSR (Aluminum Conductor Steel Reinforced) strands. It features a robust multi-frame construction with advanced tension control systems, ensuring uniform strand quality and consistent performance. Designed for industrial cable production, the machine offers flexible loading options and integrated electric control systems for reliable, high-speed operation.

Technical Specifications

Wire Diameter Range

Material	Diameter (mm)
Copper	1.5 - 5.0
Aluminum	1.8 - 5.0

Operational Metrics

45 mm

Production Diameter

55.1 m/min

Max Production Speed

Stranding Performance

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

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

Bobbin Loading Options

Bottom-loading, Top-loading, Side-loading

Bobbin Clamping

Pneumatic, Manual (Worm gear/Hand wheel)

Control Systems

Automation & Control

PLC Control • Touch Screen Interface • Digital DC Drivers • Electric Tension Control

Wire-Breaking Test Methods

Mechanical, Electrical, Combined

Logistics

Charge Reel Size

PN2500