

Wire Stranding Machine for Copper, Aluminum, and ACSR

This machine is designed for manufacturing wire without back twisting, including copper, aluminum, and ACSR strands, and twisting insulated wire or strand. With an optional pressing device, it can strand sector, round, and compacted conductors.



Overview

High-Efficiency Wire Stranding Machine

This advanced wire stranding machine is engineered for high-precision production of copper, aluminum, and ACSR conductors. It features flexible bobbin loading options, including bottom, top, and side loading, alongside advanced pneumatic or manual clamping systems for operational versatility. With integrated PLC controls and digital DC motor drivers, this machine ensures consistent, high-quality stranding performance for demanding cable manufacturing environments.

Technical Specifications

Stranding Cage Speed

- 61
- 164

Stranding Pitch

- 50
- 1197

Copper Wire Diameter

5 mm

Aluminum Wire Diameter

5 mm

Production Speed

55.1 m/min

Haul-off Wheel Diameter

2500 mm

Charge Reel Model

PN2500

Operational Features

Machine Configuration

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

Bobbin Loading Methods

Bottom-loading, Top-loading, Side-loading

Clamping Mechanism

Pneumatic, Manual (Worm gear/Hand wheel)

Wire-Breaking Test Methods

Mechanical, Electrical

Control System

Control Features

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

Control Interface

Yes