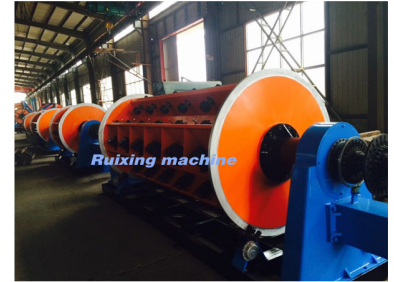


Frame Stranding Machine for Copper, Aluminum, and ACSR Strands

This machine is used for manufacturing wire without back twisting, including copper, aluminum, and ACSR strands, and for twisting insulated wire or strand. With a pressing device, it strands sector conductors, round conductors, and compacted & pre-spiraled separated conductors.



Overview

High-Precision Stranding Solution

This frame stranding machine is engineered for the efficient production of copper, aluminum, and ACSR (Aluminum Conductor Steel Reinforced) conductors. It features a robust design with a whole-shaft twisting cage to eliminate eccentricity and ensure consistent quality. With advanced control options including PLC and touch screen interfaces, this machine offers reliable performance and precise tension management for demanding cable manufacturing requirements.

Technical Parameters

Single Wire Diameter Range

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

Key Performance Metrics

45 mm

Production Diameter

55.1 m/min

Max Production Speed

Stranding Cage Speed

- Copper: 61-164 r/min
- Aluminum: 46-124 r/min

Stranding Pitch Range

- Copper: 50-903 mm
- Aluminum: 66-1197 mm

Haul-off Wheel Diameter

- 2000
- 2500

Machine Configuration

Control System Features

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

Bobbin Loading Methods

Bottom-loading, Top-loading, Side-loading

Clamping Systems

Pneumatic, Manual (Worm gear), Manual (Hand wheel)

Wire-Breaking Test Methods

Mechanical, Electrical