

Cable Stranding Machine with Rotating Cages

This machine is used for manufacturing wire without back twisting such as copper strand, aluminum strand, ACSR as well as twisting insulated wire or strand. If equipped with a pressing device, it is used for stranding sector conductor, round conductor and compacted & pre-spiraled separated conductor.



Overview

High-Efficiency Cable Stranding

This industrial cable stranding machine is engineered for precision and durability, featuring flexible loading options for bobbins including bottom, top, and side configurations. Equipped with advanced PLC controls and touch-screen interfaces, it allows for precise management of stranding pitch, speed, and tension. The robust design includes a whole-shaft twisting cage to ensure consistent conductor quality and prevent wire loosening during operation.

Technical Specifications

Single Wire Diameter Range

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

Performance Metrics

55.1 m/min

Max Production Speed

2500 PN

Charge Reel Size

Operational Ranges

Parameter	Range A	Range B
Stranding cage speed (r/min)	61-164	46-124
Stranding pitch (mm)	50-903	66-1197
Haul-off wheel diameter (mm)	2000	2500

Features

Clamping Methods

- Pneumatic clamping
- Manual worm gear clamping
- Manual hand wheel clamping

Tension Control Systems

- Mechanical friction
- Air force control (constant tension)

Safety & Control Features

Mechanical Safety Locking • PLC Control • Touch Screen Interface • Digital DC Drivers • Wire-breaking Test (Mechanical/Electrical)

Bobbin Loading Options

Bottom-loading, Top-loading, Side-loading, Individual, Integral

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