

Cable Stranding and Armoring Machine

This machine is used for manufacturing wire without back-twist, including copper strand, aluminum strand and ACSR. It is also capable of stranding and compacting sector and round conductors.



Overview

High-Performance Cable Stranding and Armoring

This industrial-grade machine is engineered for the precise stranding and armoring of copper and aluminum wires. Featuring a hollow shaft integrated design and compact structure, it ensures high-speed operation with exceptional rigidity. The system is highly configurable, offering both mechanical transmission and frequency synchronization options to meet demanding cable manufacturing requirements.

Key Performance Metrics

Performance Highlights

50.2 m/min

Max Production Speed

168 r/min

Max Frame Rotation

1600 mm

Capstan Wheel Dia.

Technical Specifications

Machine Parameters

Parameter	Specification 400/12+18+24	Specification 500/12+18+24
Copper Wire Dia. (mm)	1.5 - 5.0	1.5 - 5.0
Aluminum Wire Dia. (mm)	2.1 - 5.0	2.1 - 5.0
Max OD of Stranding (mm)	45	45
Frame Rotation Speed (r/min)	48 - 168	48 - 168
Stranding Pitch (mm)	40 - 750	40 - 750
Production Speed (m/min)	6.1 - 50.2	6.1 - 50.2

System Configuration

Included Components

- Center pay-off strand
- Stranding cartage
- Compact die stand
- Double draught wheels
- Take up and traverse device
- Mechanical transmission system
- Electrical control system

Construction Features

Design & Safety Features

- Hollow shaft integrated processing for compact structure
- Clamping thimble plate hand wheel for wire reel pressure
- Integrated machine locked safeguard for reel clamping
- Transmission shaft linked stranding cages for tighter assembly
- Optional frequency synchronization for cage driving

Operational Capacities

Take-up Reel Size

PN2000

Compatible Materials

Copper, Aluminum, ACSR, Copper Screening