

Cable Stranding and Armoring Machine

This machine is used for stranding copper, aluminum wire, ACSR and insulated wires with back-twist. It also can steel-armor or copper-screen cables.



Overview

High-Performance Cable Stranding and Armoring

This industrial-grade stranding and armoring machine is engineered for precision and reliability in cable production. It features versatile back-twist capabilities, utilizing either circle or planetary mechanisms to ensure optimal wire integrity. Designed for ease of use and low-noise operation, this system integrates seamlessly into production lines for copper, aluminum, and steel wire processing.

Technical Specifications

Single Wire Diameter Capacity

Material	Diameter Range (mm)
Copper	1.5 - 5.0
Aluminum	1.8 - 5.0
Steel	1.2 - 3.0

Available Machine Configurations

400/12+18+24, 500/6+12+18, 500/12+18+24, 630/12+18+24

Performance Metrics

Production Speed

4.7 m/min

Minimum Speed

37 m/min

Maximum Speed

Stranding Cage Speed

24 - 88 rpm

Stranding Pitch

53.4 - 1541 mm

Machine Configuration

System Components

- Pay-off unit
- Mainframes (6, 12, 18, 24, 30-reel options)
- Die holder
- Tape lapper
- Armor unit
- Haul-off unit
- Take-off unit
- Driven system
- Electrical system

Back-twist Methods

Back-twist circle • Planetary mechanism

Tension Control

Mechanism friction tension control on non-axle thimble twisting cage