

Cage Stranding Machine for Al/ACSR/Cu Wires and Steel Armoring

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



Overview

High-Efficiency Cage Stranding Machine

This cage stranding machine is engineered for the high-volume production of aluminum (Al), ACSR, and copper (Cu) wires, as well as steel armoring. It features advanced back-twist capabilities, including both circle and planetary mechanisms, and utilizes a non-axle thimble twisting cage with friction tension control. Designed for stability and low-noise operation, this machine ensures consistent stranding pitch through integrated frequency synchronization.

Technical Specifications

Single Wire Diameter Range

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

Key Performance Metrics

4.7 m/min

Min Production Speed

37 m/min

Max Production Speed

Compatible Wire Materials

Copper, Aluminum, Steel

Machine Configuration

Reel Configurations

- 6-reel
- 12-reel
- 18-reel
- 24-reel
- 30-reel

Standard Components

Pay-off • Die holder • Tape lapper • Armor unit • Haul-off • Take-off • Driven system • Electrical system

Back-twist Methods

Back-twist circle, Planetary mechanism