

# 500 Cage Stranding Machine for Wires and Cables

This machine strands copper, aluminum, ACSR, and insulated wires using a back-twist mechanism. It can also perform steel-armor or copper-screening of cables.



## Overview

### High-Efficiency Cage Stranding Machine

This 500 Cage Stranding Machine is engineered for professional cable manufacturing, supporting the stranding of aluminum wires, ACSR, and insulated wires. It features advanced back-twist capabilities via circle and planetary mechanisms, ensuring precise wire lay and consistent tension. Designed for industrial reliability, the machine offers stable stranding pitch control and frequency synchronization for versatile production needs.

## 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

### Key Performance Metrics

**45 mm**

Max Production Diameter

**37 m/min**

Max Production Speed

### Back-Twist Methods

Back-twist circle • Planetary mechanism

### Tension Control System

Mechanism friction tension control

## Configuration

### Included Components

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

### Available Reel Configurations

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