

# Cage Stranding Machine for Wire and Cable

The 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-Efficiency Cage Stranding Machine

This cage stranding machine is engineered for precision wire and cable production, supporting both back-twist circle and planetary mechanism methods. It features a non-axle thimble twisting cage with integrated friction tension control to ensure consistent quality. Designed for stability and operational convenience, the system utilizes frequency synchronization to maintain accurate stranding pitch while operating with low noise levels.

## System Configuration

### Included Components

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

## Technical Specifications

### Model Specifications

| Specification              | 400/12+18+24 | 500/6+12+18 | 500/12+18+24 | 630/12+18+24 |
|----------------------------|--------------|-------------|--------------|--------------|
| Production Dia. (mm)       | 45           | 35          | 45           | 45           |
| Stranding Cage Speed (rpm) | 35-88        | 24-60       | 24-60        | 24-60        |
| Stranding Pitch (mm)       | 53.4-1057    | 78-1541     | 78-1541      | 78-1541      |
| Haul-off Wheel Dia. (mm)   | 1800         | 2000        | 2000         | 2000         |
| Take-up Reel Size          | PN2000       | PN2500      | PN2500       | PN2500       |

### Single Wire Compatibility

|                                  |                                |                                    |                                  |                                 |                               |
|----------------------------------|--------------------------------|------------------------------------|----------------------------------|---------------------------------|-------------------------------|
| <b>1.5 mm</b><br>Copper Min Dia. | <b>5 mm</b><br>Copper Max Dia. | <b>1.8 mm</b><br>Aluminum Min Dia. | <b>5 mm</b><br>Aluminum Max Dia. | <b>1.2 mm</b><br>Steel Min Dia. | <b>3 mm</b><br>Steel Max Dia. |
|----------------------------------|--------------------------------|------------------------------------|----------------------------------|---------------------------------|-------------------------------|

## Performance Metrics

### Back-Twist Methods

- Back-twist circle
- Planetary mechanism

### Production Speed

37 m/min