

# Back Twisting Stranding Machine with Steel Armoring and Copper Screening

This machine strands copper, aluminum, ACSR, and insulated wires while applying back-twist. Additionally, it performs steel armoring or copper screening on cables.



## Product Overview

### High-Efficiency Stranding and Armoring

This heavy-duty stranding machine is engineered for back-twisting, steel-armoring, and copper-screening applications. It features a robust cage-type construction designed for the precise manufacturing of power, control, and communication cables with enhanced mechanical strength. The system offers flexible back-twist methods and is built for continuous, high-productivity operation in demanding industrial environments.

## Technical Specifications

### Key Features

- Non-axle thimble twisting cage with friction tension control
- Transmission shafts for stable stranding pitch
- Optional frequency synchronization control
- Low-noise operation
- Convenient manipulation

### Standard Configuration

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

### Back-Twist Methods

Back-twist circle, Planetary mechanism

## Performance Metrics

### Production Performance

**37 m/min**

Max Production Speed

**45 mm**

Max Production Diameter

### Technical Data Table

Specification	400/12+18+24	500/6+12+18	500/12+18+24	630/12+18+24
Stranding cage speed (rpm)	35-88	24-60	24-60	24-60
Stranding pitch (mm)	53.4-1057	78-1541	78-1541	78-1541
Diameter of wheel haul-off (mm)	1800	2000	2000	2000
Size of take-up reel (mm)	PN2000	PN2500	PN2500	PN2500