

# 500 Fork Strander for Cu/Al Wires and ACSR Cables

This machine is engineered for manufacturing wire without back-twist, ideal for copper strand, aluminum strand and ACSR cables. It is also capable of stranding and compacting sector and round conductors.



## Product Overview

### High-Performance Fork Strander

The 500 Fork Strander features a hollow shaft integrated processing design, ensuring a compact structure with excellent rigidity and high-speed operation. It is engineered for the efficient stranding of copper, aluminum, and ACSR cables, incorporating a machine-locked safeguard for the clamping thimble plate. The system offers versatile configuration options, including frequency synchronization for driving, and a comprehensive setup comprising central pay-off, stranding cage, compact die stand, and double draught wheels.

## Technical Parameters

### Machine Specifications

Parameter	Value
Copper Wire Diameter (mm)	1.5 - 5.0
Aluminum Wire Diameter (mm)	2.1 - 5.0
Stranding Outer Diameter (mm)	45
Frame Rotation Speed (r/min)	48 - 168
Stranding Pitch (mm)	40 - 750
Capstan Wheel Diameter (mm)	1600
Production Speed (m/min)	6.1 - 50.2
Take-up Reel Size	PN2000

### Supported Materials

Copper, Aluminum, ACSR

## System Components

### Key Components

- Center pay-off
- Stranding cage
- Compact die stand
- Double draught wheels
- Take-up and traverse device
- Mechanical transmission system
- Electrical control system