

# 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