

400 Fork Strander for Copper, Aluminum, and ACSR Cables

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



Overview

High-Performance Fork Strander

The 400 Fork Strander is a precision-engineered solution designed for the efficient stranding of copper, aluminum, and ACSR cables. Featuring a hollow shaft integrated design, it offers exceptional rigidity and high-speed operation for demanding industrial environments. The system includes a comprehensive configuration of pay-off, stranding, compacting, and take-up mechanisms to ensure consistent cable quality.

Technical Specifications

Stranding Parameters

Parameter	Value/Range
Stranding OD (mm)	45
Frame Rotation Speed (r/min)	48-168
Stranding Pitch (mm)	40-750
Production Speed (m/min)	6.1-50.2

Compatible Wire Diameter (mm)

1.5 mm

Copper Min

5 mm

Copper Max

2.1 mm

Aluminum Min

5 mm

Aluminum Max

Equipment Configuration

System Components

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

Take-up Reel Size	PN2000
Capstan Wheel Diameter	1600 mm

Features

Key Features	Hollow shaft integrated design, Compact structure, High rigidity, High-speed operation, Machine locked safeguard
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