

Frame Stranding Machine for Large Cables

This machine is designed for manufacturing wire without back twisting, such as copper strand, aluminum strand and ACSR. When equipped with a pressing device, it can be used for stranding sector conductor, round conductor and compacted & pre-spiraled separated conductor.



Overview

High-Efficiency Frame Stranding Machine

This frame stranding machine is engineered for the production of large-section cables, featuring a robust, eccentricity-free twisting cage. It offers flexible bobbin loading options, including bottom, top, and side-loading configurations, with advanced pneumatic or manual clamping. The system ensures consistent quality through precise tension control and integrated wire-breaking detection methods, making it a reliable solution for heavy-duty cable manufacturing.

Technical Specifications

Production Speed

55.1 m/min

Max Production Speed

Performance Parameters

Parameter	Range/Value
Stranding Pitch	50-1197 mm
Cage Speed	46-164 r/min
Haul-off Wheel Diameter	2000-2500 mm

Copper Wire Diameter 5 mm

Aluminum Wire Diameter 5 mm

Operational Features

Clamping Systems

Pneumatic • Manual (Worm Gear) • Manual (Hand Wheel)

Bobbin Loading Methods Bottom-loading, Top-loading, Side-loading

Control & Automation

Control System Features

- PLC and Touch Screen Interface
- Digital DC Motor Drivers
- Electric Tension Control
- Mechanical Tension Control

Wire-Breaking Test Methods Mechanical, Electrical

Machine Configuration

Included Components

- Pay-off strand
- Stranding cartage
- Compact die stand
- Double draught wheels
- Take up and traverse device
- Taping head
- Compact & pre-spiral device