

Rigid Frame Stranding Machine for Cable Manufacturing

This machine is designed for manufacturing copper, aluminum, and ACSR wire without back twisting, and it can also twist insulated wire or strand. With a pressing device, it can strand sector, round, and compacted conductors.



Overview

Rigid Frame Stranding Machine

This rigid frame stranding machine is engineered for efficient cable manufacturing, offering versatile bobbin loading options including bottom, top, and side loading. It features advanced pneumatic or manual clamping systems with mechanical safety locks to ensure operational reliability. The machine is equipped with precise payoff tension control, including electric options for constant tension, and includes wire-breaking test methods to maintain high production quality.

Technical Specifications

Stranding Cage Speed

- 61-164 r/min
- 46-124 r/min

Stranding Pitch

- 50-903 mm
- 66-1197 mm

Copper Wire Diameter	1.5 mm
Aluminum Wire Diameter	1.8 mm
Production Diameter	45 mm
Production Speed	55.1 m/min

Configuration

System Components	Pay-off strand, Stranding cartage, Compact die stand, Double draught wheels, Take up and traverse device, Mechanical transmission, Electrical control system
Optional Features	Group loading/unloading, Compact & pre-spiral device, Taping head, PLC & Touch screen control

Operational Features

Tension Control Methods

Mechanical friction • Air force control

Wire-Breaking Test Methods

Mechanical • Electrical