

Electro-Heating Tire Bead Winding-Up Extrusion Line

This electro-heating tire bead winding-up extrusion line is designed for efficient tire bead manufacturing. It integrates electro-heating for temperature control and a winding-up mechanism for organized bead collection.



Overview

Automated Bead Building Solution

This fully automatic bead building line is engineered for the efficient production of tire beads with square or quadrate cross-sections. The system integrates advanced electro-heating technology to ensure optimal temperature control, consistent material properties, and high dimensional accuracy. Designed for high-volume environments, it features robust construction and servo-motor driven components for reliable, long-term operational stability.

Technical Specifications

Automation Level

Fully Automatic

Compatible Cross-Sections

Square, Quadrate

System Components

Core Components

- Steel wire let-off station
- Pull-off device
- Extruder
- Bead former
- Pay-on head
- Bead winder

Drive System

Servo motor driven (Pay-on head and bead winder)

Performance Metrics

Key Performance Features

- Non-grip design
- Simple structure
- High efficiency
- Adjustable parameters