

# Tire Bead Apexing and Flipping Machine

This bead apexing and flipping machine is designed for applying and manipulating apex rubber to tire beads. It automates the apexing process, ensuring consistent and accurate placement of the apex rubber to enhance tire performance and durability.



## Overview

### High-Efficiency Bead Processing

This specialized machine is engineered for the precise application of apex strips and chafer onto tire beads, supporting both full-steel and semi-steel radial tire production. It automates the apexing and flipping process to ensure consistent placement, which is critical for the structural integrity and durability of the final tire. Designed for high-volume environments, the system offers a high degree of automation and operational simplicity to maximize factory throughput.

## Key Features

### Primary Functions

- Apex strip application
- Chafer application on bead
- Bead flipping and orientation
- Automated cutting and splicing

## Technical Configuration

### System Components

Component	Function
Extruder	Processing and feeding rubber material
Accumulator	Material buffering for continuous operation
Chafer Let-off	Controlled feeding of chafer material
Cutter & Splicer	Precision material trimming and joining

## Application

### Compatible Tire Types

Full-steel Radial Tires, Semi-steel Radial Tires

## Performance

### Automation Level

High-Efficiency • Automatic Control • Adjustable Parameters

### Process Monitoring

- Apex application pressure
- Temperature control
- Flipping speed optimization

## Related Machinery

Associated Equipment

Rubber Calender, Rotary Curing Machine