

Automated Tire Building Machine

The automated tire building machine is designed for the construction of tires. It integrates multiple stations to streamline the tire building process, including material handling, component placement, and shaping operations.



Product Overview

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This automated machine is specifically engineered for the high-precision production of full-steel radial tires. Designed to handle both tube and tubeless tire variants, it provides a versatile solution for manufacturing environments requiring consistent quality and throughput. The system integrates advanced material handling and component placement stations to streamline the entire tire building process.

Technical Specifications

Compatible Tire Sizes	17.5" - 24.5"
Tire Types	Full-Steel Radial, Tube, Tubeless

Key Features

Automation

Automated Construction • PLC/HMI Control • Multi-Station Integration

System Components

- Automated material handling station
- Precision component placement unit
- Advanced shaping operations module
- Conveyorized material transfer system

Safety and Quality

Safety Features

- Integrated emergency stop system
- Protective safety guarding
- HMI-based monitoring for process consistency