

3D Tire Component Building Machine

This rubber processing machine constructs three-dimensional tire components through automated material handling and robotic precision. It ensures accurate placement and bonding of rubber layers to enhance tire uniformity and performance.



Product Overview

High-Efficiency 3D Tire Component Building System

This advanced building machine is specifically engineered for the production of full-steel radial tires. It supports a versatile range of both tube and tubeless radial tires, accommodating rim sizes from 17.5 to 24.5 inches. Designed with a modular architecture, the system ensures precision in rubber layer bonding and can be seamlessly integrated into existing manufacturing lines to boost efficiency.

Technical Specifications

Supported Rim Sizes	17.5" - 24.5"
Applicable Tire Types	Full-steel radial, Tube type, Tubeless

Operational Features

Core Automation Systems

- Automated material handling conveyors
- Robotic component application arms
- Precision rubber layer bonding stations
- Advanced process control system

Programmable Parameters

- Operating pressure
- Processing temperature
- Material feed rates