

Global Smart Tires Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Smart Tires market size is expected to reach \$ 8430 million by 2032, rising at a market growth of 6.4% CAGR during the forecast period (2026-2032).

Smart tires are advanced tire systems embedded with sensors and communication technologies that continuously collect real-time data on critical parameters such as tire pressure, temperature, tread wear, load and road surface conditions. Smart tires leverage data analytics and increasingly AI-powered algorithms to transmit this data to the vehicle's onboard systems or the cloud, enabling enhanced safety, performance optimization, predictive maintenance and vehicle-level decision support. Smart tires play a key role in connected and autonomous vehicle frameworks by contributing real-time tire-road interaction intelligence. In 2025, global smart tire sales reached approximately 18,00 K Units, with an average price of 300 US\$/Unit.

The growth of the smart tires market is primarily driven by rising global safety standards and regulatory requirements for real-time tire condition monitoring, combined with the rapid development of connected and automated vehicles that increasingly rely on tire-level data for vehicle control and decision-making. At the same time, commercial fleet operators are actively adopting smart tires to reduce downtime, lower maintenance costs, and improve operational efficiency through predictive analytics. In addition, the accelerated penetration of electric vehicles further stimulates demand for smart tires, as EVs require enhanced tire performance monitoring to optimize energy efficiency, range, and durability. Together, these factors are driving OEMs and fleet users to integrate sensor-enabled and data-driven tire solutions into next-generation vehicles.

This report studies the global Smart Tires production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Smart Tires and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as

details the characteristics of Smart Tires that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Smart Tires total production and demand, 2021-2032, (K Units)

Global Smart Tires total production value, 2021-2032, (USD Million)

Global Smart Tires production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Smart Tires consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Smart Tires domestic production, consumption, key domestic manufacturers and share

Global Smart Tires production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Smart Tires production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Smart Tires production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Smart Tires market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Michelin, Continental, Bridgestone, Goodyear, Pirelli, Yokohama, Smart Tire Company, Nokian Tyres, Hankook, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Smart Tires market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Smart Tires Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Smart Tires Market, Segmentation by Type:

Truck Tire

Bus Tire

Others

Global Smart Tires Market, Segmentation by Sensing:

Embedded In-tire Sensors

Surface-mounted Sensors

Sensor-free (Virtual Sensing via Algorithms)

Global Smart Tires Market, Segmentation by Integration Approach:

Tire-integrated Electronics

Patch / Tag-based Integration

Non-intrusive Digital Modeling

Global Smart Tires Market, Segmentation by Application:

OEM

Aftermarket

Companies Profiled:

Michelin

Continental

Bridgestone

Goodyear

Pirelli

Yokohama

Smart Tire Company

Nokian Tyres

Hankook

Key Questions Answered:

1. How big is the global Smart Tires market?
2. What is the demand of the global Smart Tires market?
3. What is the year over year growth of the global Smart Tires market?
4. What is the production and production value of the global Smart Tires market?
5. Who are the key producers in the global Smart Tires market?
6. What are the growth factors driving the market demand?

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