

Global Automotive Automatic Tire Inflation System Market to reach USD 204.71 million by 2032.

<https://marketpublishers.com/r/GF0618FBF549EN.html>

Date: February 2025

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: GF0618FBF549EN

Abstracts

The Global Automotive Automatic Tire Inflation System Market, valued at approximately USD 82 million in 2023, is poised to expand at a robust compound annual growth rate (CAGR) of 10.7% throughout the forecast period from 2024 to 2032. Automatic tire inflation systems (ATIS) have transformed the landscape of commercial and passenger vehicles by optimizing tire pressure in real time. As fuel efficiency, safety, and tire longevity become paramount for fleet operators and vehicle owners alike, ATIS technology is witnessing increased adoption across diverse transportation sectors. This intelligent tire inflation system minimizes wear and tear, enhances road safety, and significantly improves vehicle handling—positioning itself as an essential component in modern automotive systems. The surging demand for sustainable mobility solutions, coupled with stringent government regulations mandating tire pressure monitoring, is catalyzing the growth trajectory of this market.

The increasing penetration of ATIS in commercial vehicles—particularly in heavy-duty trucks, buses, and off-highway vehicles—has emerged as a key growth driver. The industry is experiencing a significant shift towards smart vehicle technologies, and fleet operators are recognizing the benefits of automated tire pressure management in reducing downtime, operational costs, and environmental impact. Moreover, the advent of electric commercial vehicles (ECVs) is further propelling the need for automatic tire inflation systems, as efficient tire pressure regulation directly contributes to optimized battery performance and extended vehicle range. OEMs and aftermarket players are heavily investing in R&D to enhance the reliability and integration of ATIS with telematics and IoT-enabled vehicle monitoring systems, paving the way for next-generation fleet management solutions.

Despite the optimistic market outlook, certain challenges hinder widespread adoption.

The high initial investment and complex integration process pose significant barriers, especially for small-scale fleet operators. Moreover, the technical limitations of ATIS in extreme weather conditions and rugged terrains can limit its efficiency in certain regions. However, ongoing technological advancements, such as adaptive inflation algorithms and sensor-driven automation, are expected to mitigate these issues, ensuring seamless tire pressure management across varying terrains and climates. Additionally, government incentives promoting fuel-efficient transportation solutions are anticipated to create lucrative opportunities for manufacturers and service providers in the ATIS space.

The regional landscape of the Automotive Automatic Tire Inflation System Market exhibits promising growth patterns across North America, Europe, and Asia Pacific. North America dominates the market, driven by strong regulatory policies emphasizing vehicle safety and energy efficiency. The United States, in particular, leads the adoption of ATIS, owing to the presence of large-scale fleet operators and stringent mandates on commercial vehicle safety. In Europe, rising environmental concerns and sustainable transport initiatives are fueling market expansion, with countries like Germany and France focusing on tire efficiency regulations. Meanwhile, Asia Pacific is expected to witness the highest growth rate, attributed to increasing vehicle production, infrastructure development, and a booming logistics sector in countries such as China and India. As e-commerce and urban mobility trends accelerate, ATIS adoption is expected to surge in last-mile delivery vehicles, further propelling market growth.

Major market players included in this report are:

3D Systems Corporation

Desktop Metal, Inc.

Organovo Holdings, Inc.

Cyfuse Biomedical K.K

Medprin Biotech GmbH

Advanced Solutions, Inc.

CollPlant Biotechnologies Ltd

REGEMAT 3D S.L

The Bio Convergence Company

Shining 3D

Dana Incorporated

Michelin

SAF-Holland SE

Goodyear Tire & Rubber Company

Hendrickson USA, LLC

The detailed segments and sub-segments of the market are explained below:

By Type:

Central

Continuous

By On-highway Vehicle:

Light-Duty Vehicles (LDV)

Heavy-Duty Vehicles (HDV)

By Off-highway Vehicle:

Agriculture

Construction

By Electric Vehicles:

Truck

Bus

By Sales Channel:

OEM

Aftermarket

By Component:

(Specify components as per market classification)

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe (RoE)

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific (RoAPAC)

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa (RoMEA)

Years considered for the study are as follows:

Historical Year: 2022, 2023

Base Year: 2023

Forecast Period: 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand-side and supply-side analysis of the market.

Contents

CHAPTER 1.GLOBAL AUTOMOTIVE AUTOMATIC TIRE INFLATION SYSTEM MARKET EXECUTIVE SUMMARY

- 1.1.Global Automotive Automatic Tire Inflation System Market Size & Forecast (2022-2032)
- 1.2.Regional Summary
- 1.3.Segmental Summary
 - 1.3.1.By Type
 - 1.3.2.By Vehicle Segments
- 1.4.Key Trends
- 1.5.Recession Impact
- 1.6.Analyst Recommendation & Conclusion

CHAPTER 2.GLOBAL AUTOMOTIVE AUTOMATIC TIRE INFLATION SYSTEM MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1.Research Objective
- 2.2.Market Definition
- 2.3.Research Assumptions
 - 2.3.1.Inclusion & Exclusion
 - 2.3.2.Limitations
 - 2.3.3.Supply Side Analysis
 - 2.3.3.1.Availability
 - 2.3.3.2.Infrastructure
 - 2.3.3.3.Regulatory Environment
 - 2.3.3.4.Market Competition
 - 2.3.3.5.Economic Viability (Consumer's Perspective)
 - 2.3.4.Demand Side Analysis
 - 2.3.4.1.Regulatory Frameworks
 - 2.3.4.2.Technological Advancements
 - 2.3.4.3.Environmental Considerations
 - 2.3.4.4.Consumer Awareness & Acceptance
- 2.4.Estimation Methodology
- 2.5.Years Considered for the Study
- 2.6.Currency Conversion Rates

CHAPTER 3.GLOBAL AUTOMOTIVE AUTOMATIC TIRE INFLATION SYSTEM

Global Automotive Automatic Tire Inflation System Market to reach USD 204.71 million by 2032.

MARKET DYNAMICS

3.1. Market Drivers

- 3.1.1. Increased adoption of ATIS in commercial vehicles and integration with IoT
- 3.1.2. Growth driven by electric commercial vehicles and stringent regulatory mandates
- 3.1.3. Rising demand for sustainable mobility solutions

3.2. Market Challenges

- 3.2.1. High initial investment and complex system integration
- 3.2.2. Technical limitations in extreme weather conditions and rugged terrains

3.3. Market Opportunities

- 3.3.1. Advancements in adaptive inflation algorithms and sensor-driven automation
- 3.3.2. Government incentives promoting fuel-efficient transportation solutions
- 3.3.3. Expansion in smart fleet management and telematics integration

CHAPTER 4. GLOBAL AUTOMOTIVE AUTOMATIC TIRE INFLATION SYSTEM MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top Investment Opportunity

4.4. Top Winning Strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL AUTOMOTIVE AUTOMATIC TIRE INFLATION SYSTEM

MARKET SIZE & FORECASTS BY TYPE 2022-2032

5.1.Segment Dashboard

5.2.Global Automotive Automatic Tire Inflation System Market: Type Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

5.2.1.Central

5.2.2.Continuous

CHAPTER 6.GLOBAL AUTOMOTIVE AUTOMATIC TIRE INFLATION SYSTEM MARKET SIZE & FORECASTS BY VEHICLE SEGMENTS 2022-2032

6.1.Segment Dashboard

6.2.Global Automotive Automatic Tire Inflation System Market: Vehicle Segments Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

6.2.1.On-highway Vehicle

6.2.1.1.Light-Duty Vehicles (LDV)

6.2.1.2.Heavy-Duty Vehicles (HDV)

6.2.2.Off-highway Vehicle

6.2.2.1.Agriculture

6.2.2.2.Construction

6.2.3.Electric Vehicles

6.2.3.1.Truck

6.2.3.2.Bus

6.2.4.Sales Channel

6.2.4.1.OEM

6.2.4.2.Aftermarket

6.2.5.Component

6.2.5.1.(Specify components as per market classification)

CHAPTER 7.GLOBAL AUTOMOTIVE AUTOMATIC TIRE INFLATION SYSTEM MARKET SIZE & FORECASTS BY REGION 2022-2032

7.1.North America Automotive Automatic Tire Inflation System Market

7.1.1.U.S. Market

7.1.1.1.Segment Breakdown & Forecasts, 2022-2032

7.1.2.Canada Market

7.2.Europe Automotive Automatic Tire Inflation System Market

7.2.1.U.K. Market

7.2.2.Germany Market

- 7.2.3.France Market
- 7.2.4.Spain Market
- 7.2.5.Italy Market
- 7.2.6.Rest of Europe (RoE) Market
- 7.3.Asia-Pacific Automotive Automatic Tire Inflation System Market
 - 7.3.1.China Market
 - 7.3.2.India Market
 - 7.3.3.Japan Market
 - 7.3.4.Australia Market
 - 7.3.5.South Korea Market
 - 7.3.6.Rest of Asia-Pacific (RoAPAC) Market
- 7.4.Latin America Automotive Automatic Tire Inflation System Market
 - 7.4.1.Brazil Market
 - 7.4.2.Mexico Market
 - 7.4.3.Rest of Latin America Market
- 7.5.Middle East & Africa Automotive Automatic Tire Inflation System Market
 - 7.5.1.Saudi Arabia Market
 - 7.5.2.South Africa Market
 - 7.5.3.Rest of Middle East & Africa (RoMEA) Market

CHAPTER 8.COMPETITIVE INTELLIGENCE

- 8.1.Key Company SWOT Analysis
 - 8.1.1.Michelin
 - 8.1.2.Goodyear Tire & Rubber Company
 - 8.1.3.Dana Incorporated
- 8.2.Top Market Strategies
- 8.3.Company Profiles
 - 8.3.1.Michelin
 - 8.3.1.1.Key Information
 - 8.3.1.2.Overview
 - 8.3.1.3.Financial (Subject to Data Availability)
 - 8.3.1.4.Product Summary
 - 8.3.1.5.Market Strategies
 - 8.3.2.3D Systems Corporation
 - 8.3.3.Desktop Metal, Inc.
 - 8.3.4.Organovo Holdings, Inc.
 - 8.3.5.Cyfuse Biomedical K.K
 - 8.3.6.Medprin Biotech GmbH

- 8.3.7.Advanced Solutions, Inc.
- 8.3.8.CollPlant Biotechnologies Ltd
- 8.3.9.REGEMAT 3D S.L
- 8.3.10.The Bio Convergence Company
- 8.3.11.Shining 3D
- 8.3.12.SAF-Holland SE
- 8.3.13.Hendrickson USA, LLC

CHAPTER 9.RESEARCH PROCESS

- 9.1.Research Process
 - 9.1.1.Data Mining
 - 9.1.2.Analysis
 - 9.1.3.Market Estimation
 - 9.1.4.Validation
 - 9.1.5.Publishing
- 9.2.Research Attributes

I would like to order

Product name: Global Automotive Automatic Tire Inflation System Market to reach USD 204.71 million by 2032.

Product link: <https://marketpublishers.com/r/GF0618FBF549EN.html>

Price: US\$ 3,218.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GF0618FBF549EN.html>