

Automatic Tire Inflation System Market to Reach USD 4,188.3 Million by 2035, Growing at a 5.6% CAGR

Automatic Tire Inflation System market grows with rising demand for fuel efficiency, tire longevity, and enhanced vehicle safety across industries.

NEWARK, DE, UNITED STATES, April 28, 2025 /EINPresswire.com/ -- The [automatic tire inflation system market](#) is poised for significant growth over the next decade, fueled by the rising demand for improved fuel efficiency, enhanced vehicle safety, and extended tire life. The market, valued at USD 2,428.8 million in 2025, is projected to expand to USD 4,188.3 million by 2035, advancing at a healthy CAGR of 5.6% during the forecast period. As industries increasingly focus on minimizing operational costs and maximizing fleet uptime, the adoption of ATIS solutions in commercial

vehicles, military transports, and off-road machinery is accelerating rapidly. Regulatory pressures to enhance road safety standards and the growing awareness about tire maintenance among fleet operators are further propelling the market's growth trajectory.

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The ATIS market is witnessing strong momentum owing to its ability to address critical operational challenges faced by commercial and industrial vehicle operators. Maintaining optimal tire pressure not only enhances fuel economy but also reduces tire wear, extends

service life, and minimizes the risk of accidents caused by blowouts or underinflation. Industries such as logistics, agriculture, construction, and defense are significantly contributing to market demand due to their heavy reliance on high-mileage vehicles and equipment. As the push toward automation intensifies across sectors, the convenience and reliability offered by ATIS are becoming indispensable for fleet managers aiming to achieve operational efficiency and cost control.

Automotive ATIS Market Overview

One of the prominent trends shaping the ATIS market is the integration of smart sensors and IoT-enabled systems that allow real-time tire pressure monitoring and automatic adjustment without manual intervention. The emergence of predictive maintenance technologies is another major trend, enabling fleet operators to anticipate tire-related issues before they escalate into costly failures. The industry is also witnessing a growing preference for centralized inflation systems that offer uniform tire pressure management across multi-axle vehicles. In addition, manufacturers are increasingly designing ATIS solutions compatible with electric and hybrid commercial vehicles, responding to the broader industry shift toward sustainable transportation.

Global Market for Automatic Tire Inflation Systems (ATIS)

The global market for automatic tire inflation systems is entering a phase of technological transformation, with companies focusing on innovation to gain a competitive edge. Opportunities are abundant in emerging economies where commercial transportation networks are expanding rapidly, and there is a growing emphasis on fleet safety and efficiency. Strategic partnerships between ATIS manufacturers and OEMs are on the rise, leading to factory-fitted systems becoming a standard feature in new heavy-duty trucks and agricultural equipment. Moreover, the implementation of stringent environmental regulations is pushing industries to adopt ATIS solutions to enhance fuel efficiency and reduce carbon emissions, thereby opening new growth pathways for market participants.

Recent Technological Advancements in ATIS

Recent years have seen a surge in technological advancements and product launches aimed at broadening the capabilities of ATIS solutions. Several leading players have introduced next-generation systems equipped with wireless communication features and cloud-based analytics for better fleet management. Investments in research and development have increased significantly, with companies working on lightweight, energy-efficient inflation systems that can seamlessly integrate with modern vehicle architectures. Regional markets, particularly in Asia-Pacific and Latin America, are witnessing growing adoption rates due to supportive government policies promoting vehicle safety. Additionally, collaborations between technology providers and commercial fleet operators are accelerating the deployment of customized ATIS solutions

tailored to specific industry needs.

未来市场洞察报告 自动胎压监测系统市场
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自动胎压监测系统市场概述

The Automatic Tire Inflation System market is highly competitive, characterized by the presence of several key global and regional players striving to deliver innovative and cost-effective solutions. Key players dominating the market landscape include Meritor, Dana Incorporated, Hendrickson USA, EnPro Industries (Aeroquip), SAF-Holland, and Pressure Systems International. These companies are actively expanding their product portfolios, investing in cutting-edge technologies such as telematics integration, and pursuing mergers and acquisitions to enhance their market footprint. Competitive dynamics are further shaped by strategic collaborations with vehicle OEMs and aftermarket service providers, helping companies reach a broader customer base across different geographies and vehicle categories.

市场细分

按车辆类型划分：
 In terms of Vehicle Type: the industry is divided into Passenger Vehicles, Commercial Vehicles, Off-Road Vehicles, Electric Vehicles (EVs)

按技术划分：
 In terms of Technology, the industry is divided into Central Tire Inflation Systems (CTIS), Automatic Tire Pressure Monitoring Systems (TPMS), Direct Inflation Systems, Indirect Inflation Systems

按组件划分：
 In terms of Component, the industry is divided into Compressor Units, Control Units, Sensors and Valves, Pneumatic Lines and Connectors

按终端应用划分：
 In terms of End-Use Application, the industry is divided into Transportation and Logistics, Mining and Construction, Agriculture, Military and Defense

按销售渠道划分：
 In terms of Sales Channel, the industry is divided into OEM (Original Equipment Manufacturer), Aftermarket

按地区划分：
 The report covers key regions, including North America, Latin America, Western Europe, Eastern Europe, East Asia, South Asia, and the Middle East and Africa (MEA).

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