

Secondary Air Injection Pump Market Size, Share, Trends, Analysis, and Forecast 2025-2034 | Global Industry Growth, Competitive Landscape, Opportunities, and Challenges

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Abstracts

The Global Secondary Air Injection Pump Market Size is valued at USD 1.16 Billion in 2025. Worldwide sales of Secondary Air Injection Pump Market are expected to grow at a significant CAGR of 4.6%, reaching USD 1.59 Billion by the end of the forecast period in 2032.

The Secondary Air Injection Pump Market plays a crucial role in supporting automotive emission control systems by reducing cold-start emissions. This pump helps inject fresh air into the exhaust stream during engine startup, accelerating the catalytic converter's heating process and allowing it to function more efficiently. As emissions regulations across the globe grow stricter, especially in Europe, North America, and parts of Asia, the relevance of secondary air injection systems is rising. While electric vehicles are gradually transforming the mobility landscape, a significant proportion of the global fleet still relies on internal combustion engines, thus maintaining the demand for these emission-reducing components. Automakers are increasingly integrating advanced air injection pumps that offer compact design, low power consumption, and higher efficiency in their vehicles to meet compliance standards without compromising engine performance.

In 2025 and beyond, the market is expected to be influenced by the dual trend of stricter environmental regulations and the push for automotive lightweighting and modularization. Technological advancements are driving the development of more efficient, quieter, and electronically controlled secondary air pumps. Moreover, the aftermarket segment is expanding, as aging vehicle populations in regions like North

America and Europe create a steady replacement demand. While electric mobility poses a long-term threat to the market, hybrid vehicles and plug-in hybrids still use conventional engine systems, preserving the need for secondary air injection pumps. Additionally, countries with lagging EV infrastructure and policies will continue to depend on emission control solutions for gasoline-powered vehicles. The competitive landscape is defined by OEM collaborations, R&D investments, and efforts to localize production to reduce supply chain risks and enhance responsiveness to regulatory shifts.

Key Takeaways – Secondary Air Injection Pump Market

Stricter emission norms globally are driving the adoption of secondary air injection pumps as automakers seek efficient ways to reduce cold-start emissions.

Increased production of hybrid vehicles, which still utilize combustion engines, is sustaining demand for secondary air injection technologies.

Automotive OEMs are integrating compact and lightweight air injection pumps to meet both emissions targets and vehicle efficiency goals.

Technological developments are focusing on electronically controlled pumps for better integration with engine management systems and improved reliability.

Aftermarket opportunities are rising as vehicle lifespans extend, especially in developed markets with aging car fleets and inspection regimes.

Europe continues to lead the market due to its aggressive emission regulations, particularly Euro 6 and forthcoming Euro 7 standards.

Asia-Pacific is witnessing growing demand, with China and India enforcing tighter emissions rules for new vehicles and encouraging cleaner technologies.

OEM and Tier-1 supplier partnerships are crucial in aligning pump design with vehicle architecture and regulatory mandates.

Noise reduction and vibration control in pump design are emerging as key product differentiation factors.

Local sourcing and regional manufacturing expansion are strategies adopted to mitigate

supply chain disruption risks.

The rise in EV adoption poses a long-term challenge, but gradual internal combustion engine phase-out means transitional relevance remains high.

Smart pump technologies with integrated diagnostics are being explored to support predictive maintenance and reduce warranty claims.

Cost sensitivity in emerging markets remains a barrier, pushing manufacturers to develop efficient yet economical pump models.

Environmental awareness among consumers is indirectly influencing OEMs to invest more in clean engine technologies, including secondary air injection systems.

Regulatory alignment and harmonization across regions could streamline R&D efforts and reduce complexity in global supply chains.

Secondary Air Injection Pump Market Segmentation

By Product

Electric Pumps

Mechanical Pumps

By Application

Automotive

Industrial

Aerospace

By End User

OEMs

Aftermarket

By Technology

Single Piston

Dual Piston

By Distribution Channel

Online

Offline

By Geography

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Spain, Italy, Rest of Europe)

Asia-Pacific (China, India, Japan, Australia, Vietnam, Rest of APAC)

The Middle East and Africa (Middle East, Africa)

South and Central America (Brazil, Argentina, Rest of SCA)

What You Receive

Global Secondary Air Injection Pump market size and growth projections (CAGR), 2024- 2034

Impact of recent changes in geopolitical, economic, and trade policies on the demand and supply chain of Secondary Air Injection Pump.

Secondary Air Injection Pump market size, share, and outlook across 5 regions and 27 countries, 2025- 2034.

Secondary Air Injection Pump market size, CAGR, and Market Share of key products, applications, and end-user verticals, 2025- 2034.

Short and long-term Secondary Air Injection Pump market trends, drivers,

restraints, and opportunities.

Porter's Five Forces analysis, Technological developments in the Secondary Air Injection Pump market, Secondary Air Injection Pump supply chain analysis.

Secondary Air Injection Pump trade analysis, Secondary Air Injection Pump market price analysis, Secondary Air Injection Pump Value Chain Analysis.

Profiles of 5 leading companies in the industry- overview, key strategies, financials, and products.

Latest Secondary Air Injection Pump market news and developments.

The Secondary Air Injection Pump Market international scenario is well established in the report with separate chapters on North America Secondary Air Injection Pump Market, Europe Secondary Air Injection Pump Market, Asia-Pacific Secondary Air Injection Pump Market, Middle East and Africa Secondary Air Injection Pump Market, and South and Central America Secondary Air Injection Pump Markets. These sections further fragment the regional Secondary Air Injection Pump market by type, application, end-user, and country.

Who can benefit from this research

The research would help top management/strategy formulators/business/product development/sales managers and investors in this market in the following ways

1. The report provides 2024 Secondary Air Injection Pump market sales data at the global, regional, and key country levels with a detailed outlook to 2034, allowing companies to calculate their market share and analyze prospects, uncover new markets, and plan market entry strategy.
2. The research includes the Secondary Air Injection Pump market split into different types and applications. This segmentation helps managers plan their products and budgets based on the future growth rates of each segment
3. The Secondary Air Injection Pump market study helps stakeholders understand the breadth and stance of the market giving them information on key drivers, restraints, challenges, and growth opportunities of the market and mitigating risks

4. This report would help top management understand competition better with a detailed SWOT analysis and key strategies of their competitors, and plan their position in the business

5. The study assists investors in analyzing Secondary Air Injection Pump business prospects by region, key countries, and top companies' information to channel their investments.

Available Customizations

The standard syndicate report is designed to serve the common interests of Secondary Air Injection Pump Market players across the value chain and include selective data and analysis from entire research findings as per the scope and price of the publication.

However, to precisely match the specific research requirements of individual clients, we offer several customization options to include the data and analysis of interest in the final deliverable.

Some of the customization requests are as mentioned below –

Segmentation of choice – Our clients can seek customization to modify/add a market division for types/applications/end-uses/processes of their choice.

Secondary Air Injection Pump Pricing and Margins Across the Supply Chain, Secondary Air Injection Pump Price Analysis / International Trade Data / Import-Export Analysis

Supply Chain Analysis, Supply–Demand Gap Analysis, PESTLE Analysis, Macro-Economic Analysis, and other Secondary Air Injection Pump market analytics

Processing and manufacturing requirements, Patent Analysis, Technology Trends, and Product Innovations

Further, the client can seek customization to break down geographies as per their requirements for specific countries/country groups such as South East Asia, Central Asia, Emerging and Developing Asia, Western Europe, Eastern Europe, Benelux, Emerging and Developing Europe, Nordic countries, North Africa, Sub-Saharan Africa, Caribbean, The Middle East and North Africa (MENA), Gulf Cooperation Council (GCC) or any other.

Capital Requirements, Income Projections, Profit Forecasts, and other parameters to prepare a detailed project report to present to Banks/Investment Agencies.

Customization of up to 10% of the content can be done without any additional charges.

Note: Latest developments will be updated in the report and delivered within 2 to 3 working days.

Contents

1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

2. SECONDARY AIR INJECTION PUMP MARKET LATEST TRENDS, DRIVERS AND CHALLENGES, 2025- 2034

- 2.1 Secondary Air Injection Pump Market Overview
- 2.2 Market Strategies of Leading Secondary Air Injection Pump Companies
- 2.3 Secondary Air Injection Pump Market Insights, 2025- 2034
 - 2.3.1 Leading Secondary Air Injection Pump Types, 2025- 2034
 - 2.3.2 Leading Secondary Air Injection Pump End-User industries, 2025- 2034
 - 2.3.3 Fast-Growing countries for Secondary Air Injection Pump sales, 2025- 2034
- 2.4 Secondary Air Injection Pump Market Drivers and Restraints
 - 2.4.1 Secondary Air Injection Pump Demand Drivers to 2034
 - 2.4.2 Secondary Air Injection Pump Challenges to 2034
- 2.5 Secondary Air Injection Pump Market- Five Forces Analysis
 - 2.5.1 Secondary Air Injection Pump Industry Attractiveness Index, 2024
 - 2.5.2 Threat of New Entrants
 - 2.5.3 Bargaining Power of Suppliers
 - 2.5.4 Bargaining Power of Buyers
 - 2.5.5 Intensity of Competitive Rivalry
 - 2.5.6 Threat of Substitutes

3. GLOBAL SECONDARY AIR INJECTION PUMP MARKET VALUE, MARKET SHARE, AND FORECAST TO 2034

- 3.1 Global Secondary Air Injection Pump Market Overview, 2024
- 3.2 Global Secondary Air Injection Pump Market Revenue and Forecast, 2025- 2034 (US\$ Billion)
- 3.3 Global Secondary Air Injection Pump Market Size and Share Outlook By Product Type, 2025- 2034
- 3.4 Global Secondary Air Injection Pump Market Size and Share Outlook By Application, 2025- 2034
- 3.5 Global Secondary Air Injection Pump Market Size and Share Outlook By Technology, 2025- 2034

3.6 Global Secondary Air Injection Pump Market Size and Share Outlook By End User, 2025- 2034

3.7 Global Secondary Air Injection Pump Market Size and Share Outlook By End User, 2025- 2034

3.8 Global Secondary Air Injection Pump Market Size and Share Outlook by Region, 2025- 2034

4. ASIA PACIFIC SECONDARY AIR INJECTION PUMP MARKET VALUE, MARKET SHARE AND FORECAST TO 2034

4.1 Asia Pacific Secondary Air Injection Pump Market Overview, 2024

4.2 Asia Pacific Secondary Air Injection Pump Market Revenue and Forecast, 2025- 2034 (US\$ Billion)

4.3 Asia Pacific Secondary Air Injection Pump Market Size and Share Outlook By Product Type, 2025- 2034

4.4 Asia Pacific Secondary Air Injection Pump Market Size and Share Outlook By Application, 2025- 2034

4.5 Asia Pacific Secondary Air Injection Pump Market Size and Share Outlook By Technology, 2025- 2034

4.6 Asia Pacific Secondary Air Injection Pump Market Size and Share Outlook By End User, 2025- 2034

4.7 Asia Pacific Secondary Air Injection Pump Market Size and Share Outlook by Country, 2025- 2034

4.8 Key Companies in Asia Pacific Secondary Air Injection Pump Market

5. EUROPE SECONDARY AIR INJECTION PUMP MARKET VALUE, MARKET SHARE, AND FORECAST TO 2034

5.1 Europe Secondary Air Injection Pump Market Overview, 2024

5.2 Europe Secondary Air Injection Pump Market Revenue and Forecast, 2025- 2034 (US\$ Billion)

5.3 Europe Secondary Air Injection Pump Market Size and Share Outlook By Product Type, 2025- 2034

5.4 Europe Secondary Air Injection Pump Market Size and Share Outlook By Application, 2025- 2034

5.5 Europe Secondary Air Injection Pump Market Size and Share Outlook By Technology, 2025- 2034

5.6 Europe Secondary Air Injection Pump Market Size and Share Outlook By End User, 2025- 2034

5.7 Europe Secondary Air Injection Pump Market Size and Share Outlook by Country, 2025- 2034

5.8 Key Companies in Europe Secondary Air Injection Pump Market

6. NORTH AMERICA SECONDARY AIR INJECTION PUMP MARKET VALUE, MARKET SHARE AND FORECAST TO 2034

6.1 North America Secondary Air Injection Pump Market Overview, 2024

6.2 North America Secondary Air Injection Pump Market Revenue and Forecast, 2025- 2034 (US\$ Billion)

6.3 North America Secondary Air Injection Pump Market Size and Share Outlook By Product Type, 2025- 2034

6.4 North America Secondary Air Injection Pump Market Size and Share Outlook By Application, 2025- 2034

6.5 North America Secondary Air Injection Pump Market Size and Share Outlook By Technology, 2025- 2034

6.6 North America Secondary Air Injection Pump Market Size and Share Outlook By End User, 2025- 2034

6.7 North America Secondary Air Injection Pump Market Size and Share Outlook by Country, 2025- 2034

6.8 Key Companies in North America Secondary Air Injection Pump Market

7. SOUTH AND CENTRAL AMERICA SECONDARY AIR INJECTION PUMP MARKET VALUE, MARKET SHARE AND FORECAST TO 2034

7.1 South and Central America Secondary Air Injection Pump Market Overview, 2024

7.2 South and Central America Secondary Air Injection Pump Market Revenue and Forecast, 2025- 2034 (US\$ Billion)

7.3 South and Central America Secondary Air Injection Pump Market Size and Share Outlook By Product Type, 2025- 2034

7.4 South and Central America Secondary Air Injection Pump Market Size and Share Outlook By Application, 2025- 2034

7.5 South and Central America Secondary Air Injection Pump Market Size and Share Outlook By Technology, 2025- 2034

7.6 South and Central America Secondary Air Injection Pump Market Size and Share Outlook By End User, 2025- 2034

7.7 South and Central America Secondary Air Injection Pump Market Size and Share Outlook by Country, 2025- 2034

7.8 Key Companies in South and Central America Secondary Air Injection Pump Market

8. MIDDLE EAST AFRICA SECONDARY AIR INJECTION PUMP MARKET VALUE, MARKET SHARE AND FORECAST TO 2034

- 8.1 Middle East Africa Secondary Air Injection Pump Market Overview, 2024
- 8.2 Middle East and Africa Secondary Air Injection Pump Market Revenue and Forecast, 2025- 2034 (US\$ Billion)
- 8.3 Middle East Africa Secondary Air Injection Pump Market Size and Share Outlook By Product Type, 2025- 2034
- 8.4 Middle East Africa Secondary Air Injection Pump Market Size and Share Outlook By Application, 2025- 2034
- 8.5 Middle East Africa Secondary Air Injection Pump Market Size and Share Outlook By Technology, 2025- 2034
- 8.6 Middle East Africa Secondary Air Injection Pump Market Size and Share Outlook By End User, 2025- 2034
- 8.7 Middle East Africa Secondary Air Injection Pump Market Size and Share Outlook by Country, 2025- 2034
- 8.8 Key Companies in Middle East Africa Secondary Air Injection Pump Market

9. SECONDARY AIR INJECTION PUMP MARKET STRUCTURE

- 9.1 Key Players
- 9.2 Secondary Air Injection Pump Companies - Key Strategies and Financial Analysis
 - 9.2.1 Snapshot
 - 9.2.3 Business Description
 - 9.2.4 Products and Services
 - 9.2.5 Financial Analysis

10. SECONDARY AIR INJECTION PUMP INDUSTRY RECENT DEVELOPMENTS

11 APPENDIX

- 11.1 Publisher Expertise
- 11.2 Research Methodology
- 11.3 Annual Subscription Plans
- 11.4 Contact Information

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