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Automotive Air Intake Manifold Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 – 2032

https://marketpublishers.com/r/A207C6168AB7EN.html
Date: October 2024
Pages: 180
Price: US$ 4,850.00 (Single User License)
ID: A207C6168AB7EN

Abstracts

The Global Automotive Air Intake Manifold Market was valued at USD 32 billion in 2023 and is anticipated to grow at a CAGR of 4.7% from 2024 to 2032. Market growth is largely fueled by rising demand for hybrid vehicles, which reflects a global push toward sustainability and emission reductions. Hybrid vehicles rely on air intake manifolds to improve both engine performance and fuel efficiency, distinguishing them from fully electric vehicles, which do not use these systems. The market is segmented by vehicle type into passenger cars, heavy commercial vehicles, light commercial vehicles, and sports cars. Passenger cars dominated in 2023, capturing over 64% of the market share, with this segment expected to surpass USD 30 billion by 2032. As passenger cars make up the majority of the vehicles on the road, especially in key regions like Asia-Pacific, Europe, and North America, there is a significant demand for fuel-efficient and eco-friendly technologies.

This demand, paired with advanced air intake manifold systems, aids in reducing emissions and optimizing engine efficiency. Increasingly stringent emissions standards across leading economies are also pressuring automakers to refine air-fuel ratios, creating demand for high-performance intake manifolds. While the electrification of vehicles is gradually advancing, internal combustion engines continue to be widely used, especially within the passenger car market. Growing consumer interest in personal mobility further supports the passenger car segment’s leading market share.

In terms of manufacturing, the market divides primarily into injection molding and casting. Injection molding accounted for about 67% of the market in 2023, a dominance attributed to its efficiency in producing lightweight, durable, and cost-effective parts at high volumes. Plastic manifolds made via injection molding are increasingly popular over metal alternatives due to their contributions to fuel efficiency. This method also supports the production of complex, precisely shaped components, ensuring consistent

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quality across units and supporting modern design requirements.

Asia-Pacific led the regional market in 2023, holding over 40% market share, and is projected to reach more than USD 20 billion by 2032. China plays a significant role within the Asia-Pacific market, driven by its high automotive production and strong demand for vehicles. Stringent government regulations targeting emissions and fuel economy encourage the use of lightweight materials like plastic manifolds. China’s comprehensive domestic supply chain and adoption of advanced engine technologies are further spurring market growth for air intake manifolds in the region.

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