

Automotive Flywheel Market worth USD 10.7 Billion by 2032, Driven by Advancements in Powertrain Efficiency | says AMR

The single mass flywheel is a weighted disc that is located at the end of the engine's crankshaft before the clutch and gearbox.

OREGON, DE, UNITED STATES, March 11, 2025 /EINPresswire.com/ -- According to a new report published by Allied Market Research, titled, "[Automotive Flywheel Market](#)," The automotive flywheel market was valued at \$7.4 billion in 2022, and is estimated to reach \$10.7 billion by 2032, growing at a CAGR of 3.8% from 2023 to 2032.



The image shows the cover of a report titled "AUTOMOTIVE FLYWHEEL MARKET OPPORTUNITIES AND FORECAST, 2023-2032". It features a photograph of a metallic flywheel. Text on the cover includes: "Automotive flywheel market is expected to reach **\$10.7 Billion** in 2032" and "Growing at a **CAGR of 3.8%** (2023-2032)". The Allied Market Research logo is in the top right corner, and the report code "A04868" and website "www.alliedmarketresearch.com" are at the bottom.

Automotive Flywheel Market Trend

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Prime determinants of growth

The global automotive flywheel market is driven by factors such as growth in penetration of dual-clutch transmission (DCT) and continuous variable transmission (CVT), increased manufacturing and sales of cars, and an increase in demand for commercial vehicles. However, the increase in the adoption of electric vehicles and the rise in the trend for repair rather than replacing the flywheel are the factors expected to hamper [the growth of the automotive flywheel market](#). In addition, continuous technological improvements and a surge in the electric vehicle business across the globe, and the development of lightweight vehicle components to enhance fuel efficiency are expected to offer remunerative opportunities for expansion of the automotive flywheel market during the forecast period.

The semi-automatic and automatic transmission provides a more convenient driving experience for consumers, as they eliminate the need for shifting gears manually. This convenience factor has led to an increase in demand for these types of transmissions, which is expected to drive the growth of the segment during the forecast period. In addition, many semi-automatic and

automatic transmissions are designed to improve fuel efficiency, which is an important factor for consumers concerned about the environment and rise in fuel costs. In addition, advancements in transmission technology have led to improved performance and reliability of semi-automatic and automatic transmissions, making them more attractive to consumers.

Moreover, luxury vehicles often come equipped with semi-automatic or automatic transmissions, as they provide a smoother and more comfortable driving experience. The increase in demand for luxury vehicles has contributed to the growth of the semi-automatic and automatic transmission segment. With the rise in globalization of the automotive industry, the demand for semi-automatic and automatic transmissions has grown as these transmissions are more common in some parts of the world than other types of transmission. As the automaker seeks to compete in global markets, they may choose to offer their types of transmission to meet the demands of consumers in different regions. [This factor is anticipated to fuel the growth of the market.](#)

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Based on type, the single mass segment held the highest market share in 2022, accounting for more than three-fifths of the global automotive market, and is estimated to maintain its leadership status throughout the forecast period. e This is due to the fact that a single-mass flywheels are less expensive to purchase and enable faster engine revving, they are appropriate for situations where there are frequent changes in engine speed and gear. This leads to the growth of the segment in the global market. However, the dual mass segment is projected to manifest the highest CAGR of 4.2% from 2023 to 2032. This is because dual-mass flywheels increase fuel efficiency. Hence, they widely utilized in commercial vehicles, notably those with diesel engines and manual transmissions. An increase in the penetration of commercial vehicles is anticipated to drive the growth of the dual-mass flywheel market.

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By transmission type, the manual transmission segment accounted for the largest share in 2022, contributing to nearly half of the global automotive flywheel market revenue. Manual transmissions are generally less expensive than automatic transmissions, making them a more affordable option for budget-conscious consumers. Manual transmissions typically have better fuel efficiency than automatic transmissions, as they allow for more precise control over the engine's power output. However, the continuously variable transmission segment is expected to portray the largest CAGR of 4.4% from 2023 to 2032. The increasing adoption of hybrid vehicles, which often use CVT transmission due to their ability to provide smooth and effective action power transfer. The growth in these alternative powertrain vehicles has led to increasing

demand for CVT transmissions, thereby boosting the flywheel market in the continuously variable transmission segment.

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Based on region, Asia-Pacific held the highest market share in terms of revenue in 2022, accounting for more than two-fifths of the global automotive flywheel market revenue, and is expected to witness the fastest CAGR of 4.3% from 2022 to 2032. The growth of the regional market is mainly attributed to the growth in the automotive industry and retail sectors. In addition, owing to a significant rise in per capita income and rapid urbanization in the region is driving the growth of the automotive flywheel market in Asia-Pacific.

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- By type, the dual mass segment is anticipated to exhibit significant growth in the near future.
- By transmission type, the continuous variable transmission segment is anticipated to exhibit significant growth in the near future.
- By vehicle type, the commercial vehicle segment is anticipated to exhibit significant growth in the near future.
- By Distribution Channel, the aftermarket segment is anticipated to exhibit significant growth in the near future.
- By region, Asia-Pacific is anticipated to register the highest CAGR during the forecast period.

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