+357 96 030922
info@marketpublishers.com

Automotive Dual Mass Flywheel Market– Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Vehicle Type (Passenger Cars, Commercial Vehicles), By Transmission Type (Manual, Semi-Automatic, Automatic), By Material Type (Cast Iron, Maraging Steel, Aluminum Alloy), By Region & Competition, 2020-2030F

https://marketpublishers.com/r/A09370365F6BEN.html
Date: April 2025
Pages: 185
Price: US$ 4,500.00 (Single User License)
ID: A09370365F6BEN

Abstracts

Market Overview

The Global Automotive Dual Mass Flywheel Market was valued at USD 5.45 Billion in 2024 and is projected to reach USD 6.59 Billion by 2030, growing at a CAGR of 3.22% during the forecast period. The market is gaining momentum as automakers increasingly focus on delivering smoother and more efficient power transmission in modern vehicles. Dual mass flywheels (DMFs) are becoming a preferred alternative to traditional single-mass flywheels, offering improved driving comfort and reduced drivetrain vibration. A surge in global vehicle production—evidenced by the 92.4 million vehicles sold in 2023, a 10.8% rise from 2022—demonstrates strong consumer demand, particularly in high-performance and luxury vehicle segments. This growth underlines the automotive sector's resilience and the rising need for advanced powertrain solutions.

Ongoing innovations in materials and design, such as the use of lightweight composites and adaptive damping, are enhancing DMF performance and durability. The shift toward improved fuel efficiency and emission reduction is further encouraging automakers to adopt advanced flywheel systems. The increasing integration of DMFs into both passenger and commercial vehicles is supported by evolving regulations, changing

+357 96 030922
info@marketpublishers.com

consumer preferences, and advances in hybrid powertrain compatibility, driving the market's continued expansion.

Market Drivers

Rising Demand for Enhanced Driving Comfort

The demand for enhanced comfort and smoother vehicle performance is a key factor driving the adoption of dual mass flywheels. These components help significantly reduce drivetrain vibrations and improve ride refinement. With consumer expectations rising, especially in the premium and performance vehicle segments, automakers are integrating DMFs to deliver quieter, more comfortable driving experiences. Innovations in damping technology are also helping reduce noise, vibration, and harshness (NVH) levels—critical attributes in modern vehicle design. As driving comfort becomes a central feature in automotive purchasing decisions, the role of DMFs in powertrain systems is becoming increasingly important.

Key Market Challenges

High Manufacturing and Replacement Costs

One of the primary challenges hindering broader adoption of dual mass flywheels is their high cost of production and replacement. The intricate design, advanced materials, and precision manufacturing required contribute to significantly higher costs than those associated with single-mass flywheels. These cost factors may deter price-sensitive consumers and limit DMF adoption in budget vehicle segments. Replacement expenses also present a challenge, especially in aging vehicles where users often opt for more affordable repair options. Manufacturers are working to lower costs by optimizing production methods and exploring alternative materials, but maintaining high performance standards while reducing expenses remains a key hurdle in expanding market penetration.

Key Market Trends

Integration with Hybrid Powertrains

The evolution of hybrid vehicles is creating new opportunities for the dual mass flywheel market. As hybrid drivetrains require efficient energy transfer between combustion engines and electric motors, DMFs are being redesigned to support smoother torque

+357 96 030922
info@marketpublishers.com

delivery and improve energy recovery during regenerative braking. This functionality is becoming increasingly important in mild-hybrid and full-hybrid vehicles, where drivetrain efficiency and responsiveness are key. Hybrid-specific DMFs are being developed to meet these demands, providing smoother transitions and enhanced performance. The growing shift toward hybridization and electrification of powertrains is expected to elevate the role of DMFs in improving drivetrain integration and efficiency across new vehicle platforms.

Key Market Players

LuK GmbH & Co. KG

Valeo S.A

ZF Friedrichshafen AG

Schaeffler Group

Velteks Automotive

AMS Automotive LLC

Aisin Seiki Co. Ltd.

Amtech International

JMT Auto Limited

American Axle and Manufacturing, Inc.

Report Scope:

In this report, the global Automotive Dual Mass Flywheel Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Automotive Dual Mass Flywheel Market, By Vehicle Type:

+357 96 030922
info@marketpublishers.com

Passenger Cars

Commercial Vehicles

Automotive Dual Mass Flywheel Market, By Transmission Type:

Manual

Semi-Automatic

Automatic

Automotive Dual Mass Flywheel Market, By Material Type:

Cast Iron

Maraging Steel

Aluminum Alloy

Automotive Dual Mass Flywheel Market, By Region:

North America

United States

Canada

Mexico

Europe & CIS

Germany

France

U.K.

Spain

+357 96 030922
info@marketpublishers.com

- Italy
- Asia-Pacific
  - China
  - Japan
  - Australia
  - India
  - South Korea
- Middle East & Africa
  - South Africa
  - Saudi Arabia
  - UAE
  - Turkey
- South America
  - Brazil
  - Argentina

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the global Automotive Dual Mass Flywheel Market.

Available Customizations:

+357 96 030922
info@marketpublishers.com

Global Automotive Dual Mass Flywheel Market report with the given market data, TechSci Research offers customizations according to the company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

7. ASIA-PACIFIC AUTOMOTIVE DUAL MASS FLYWHEEL MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

8. MIDDLE EAST & AFRICA AUTOMOTIVE DUAL MASS FLYWHEEL MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

13. COMPETITIVE LANDSCAPE

14. STRATEGIC RECOMMENDATIONS

15. ABOUT US & DISCLAIMER

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Automotive Dual Mass Flywheel Market– Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Vehicle Type (Passenger Cars, Commercial Vehicles), By Transmission Type (Manual, Semi-Automatic, Automatic), By Material Type (Cast Iron, Maraging Steel, Aluminum Alloy), By Region & Competition, 2020-2030F

Product link: https://marketpublishers.com/r/A09370365F6BEN.html

Price: US$ 4,500.00 (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/A09370365F6BEN.html