

Motorcycle Swing Arm Market Forecasts to 2032 – Global Analysis By Type (Single-Side Swing Arm, Double-Side Swing Arm, Box-Section Swing Arm, Perimeter Swing Arm, Monoshock Swing Arm, and Other Types), Material, Motorcycle Type, Distribution Channel, Application and By Geography

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Abstracts

According to Statistics MRC, the Global Motorcycle Swing Arm Market is accounted for \$1.70 billion in 2025 and is expected to reach \$2.68 billion by 2032 growing at a CAGR of 6.7% during the forecast period. A motorcycle swing arm is a vital component of a motorcycle's rear suspension system that connects the rear wheel to the frame, allowing controlled vertical movement. It helps absorb shocks from uneven roads, maintaining stability, balance, and rider comfort. Made primarily of steel or aluminum, it functions together with the rear shock absorber to maintain correct wheel alignment, improve handling, and enhance safety. Its design and strength significantly influence ride quality and overall motorcycle performance.

According to the United Nations Conference on Trade & Development (UNCTAD) statistical handbook, the proportion of the world's urban population increased from 51.6% in 2010 to 56.2% in 2020.

Market Dynamics:

Driver:

Rising demand for premium & sports bikes

Consumers increasingly seek high-performance bikes that offer superior handling, stability, and riding comfort. Manufacturers are focusing on improved chassis and suspension architectures to enhance cornering performance and high-speed control. Swing arms play a critical role in weight distribution and rear-wheel alignment, making them essential for performance-oriented motorcycles. Rising disposable incomes and aspirational buying trends, especially among younger riders, are supporting this shift. Motorsport influence and brand-led performance positioning are further accelerating adoption of advanced swing arm designs. As a result, OEMs are integrating technologically refined swing arms across mid- to high-end motorcycle segments.

Restraint:

High development costs for advanced designs

Precision manufacturing requirements and the use of high-grade materials increase overall production costs. Advanced designs must meet stringent safety, durability, and performance standards, adding to development timelines. Small- and mid-sized manufacturers often face budgetary constraints that limit innovation capabilities. Extensive prototyping and real-world testing further raise capital expenditure. Integration with modern suspension and braking systems also increases design complexity. These cost pressures can restrict widespread adoption of advanced swing arms, particularly in cost-sensitive markets.

Opportunity:

Adoption of lightweight materials

Materials such as aluminum alloys, carbon fiber, and advanced composites help reduce overall vehicle weight. Lighter swing arms improve acceleration, fuel efficiency, and ride responsiveness. OEMs are leveraging material innovations to balance strength, rigidity, and reduced mass. Advances in casting, forging, and welding technologies are making lightweight designs more commercially viable. Regulatory emphasis on fuel efficiency and emission reduction further supports material optimization. This trend is opening new avenues for performance enhancement and product differentiation among manufacturers.

Threat:

Rise of micro-mobility alternatives

Electric scooters, e-bikes, and shared mobility platforms are gaining popularity in urban environments. These alternatives are often perceived as more cost-effective and convenient for short-distance commuting. Government support for low-emission urban transport is accelerating this shift. Reduced reliance on traditional motorcycles can impact overall two-wheeler production volumes. Younger consumers, in particular, are showing preference for flexible mobility options over ownership. This transition may limit long-term demand growth for motorcycle components such as swing arms.

Covid-19 Impact:

The COVID-19 pandemic temporarily disrupted the motorcycle swing arm market due to manufacturing shutdowns and supply chain interruptions. Restrictions on movement led to reduced motorcycle sales during the initial phases of the outbreak. OEMs faced challenges in sourcing raw materials and maintaining production schedules. However, the recovery phase saw renewed interest in personal mobility as consumers avoided public transport. Two-wheelers gained traction as a safer commuting option in densely populated regions. Digital sales channels and online customization tools gained importance during this period. Post-pandemic strategies now focus on supply chain resilience and flexible manufacturing models.

The double-side swing arm segment is expected to be the largest during the forecast period

The double-side swing arm segment is expected to account for the largest market share during the forecast period, due to these designs offers enhanced structural rigidity and balanced load distribution during acceleration and braking. Double-side swing arms are widely used across commuter, touring, and performance motorcycles. Their compatibility with a broad range of suspension systems supports widespread adoption. Manufacturers prefer this configuration due to ease of manufacturing and cost efficiency. The design also allows better durability under varied riding conditions.

The online retail segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the online retail segment is predicted to witness the highest growth rate, due to increasing digitalization in automotive aftermarket sales is reshaping purchasing behavior. Consumers are turning to e-commerce platforms for easy access

to genuine and aftermarket swing arm components. Online channels provide product comparisons, technical specifications, and competitive pricing advantages. Improved logistics and doorstep delivery are enhancing customer convenience. Manufacturers and distributors are strengthening direct-to-consumer strategies through digital platforms.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share, due to the region hosts major motorcycle manufacturing hubs such as India, China, Japan, and Southeast Asian countries. High two-wheeler penetration and strong commuter bike demand support sustained component consumption. Rapid urbanization and population growth continue to drive motorcycle ownership. Local OEMs benefit from cost-efficient manufacturing and well-established supplier networks. Government initiatives supporting domestic vehicle production further strengthen market growth.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, owing to rising interest in premium, cruiser, and sports motorcycles is fueling component demand. Consumers in the region prioritize performance upgrades and customization. Technological innovation and adoption of lightweight materials are advancing swing arm designs. A strong aftermarket ecosystem supports replacement and performance-enhancement sales. Increasing popularity of recreational and touring motorcycles further boosts demand.

Key players in the market

Some of the key players in Motorcycle Swing Arm Market include Honda Motor, CFMoto, Yamaha Motor, Royal Enfield, KTM AG, TVS Motor, BMW Motorrad, Piaggio, Harley-Davidson, Triumph Motorcycles, Suzuki Motor, Ducati, Kawasaki Heavy Industries, Bajaj Auto, and Hero MotoCorp.

Key Developments:

In December 2025, Honda Motor Co., Ltd. announced plans to launch Honda Heritage Works, a new heritage service business for classic Honda (and Acura) sport-type models, on April 1, 2026. For customers who cherish and wish to continue driving their beloved vehicles for many years, Honda will offer reproduction parts on a global basis to

replace discontinued parts, as well as a restoration service in Japan.

In December 2025, Yamaha Motor Co., Ltd. announced that the company has entered into a strategic partnership with Nikon Instruments Inc. located in Boston Massachusetts, USA, will serve as a showroom for Yamaha Motor's innovative cell picking and imaging system, CELL HANDLER . By integrating NBIL's advanced imaging technologies with the capabilities of CELL HANDLER 2, the collaboration will provide dedicated support for U.S.-based researchers engaged in drug discovery and related research.

Types Covered:

Single-Side Swing Arm

Double-Side Swing Arm

Box-Section Swing Arm

Perimeter Swing Arm

Monoshock Swing Arm

Other Types

Materials Covered:

Steel

Aluminum Alloy

Carbon Fiber / Composite Materials

Motorcycle Types Covered:

Scooters

Sports Bikes

Cruisers

Off-Road / Dirt Bikes

Touring Motorcycles

Distribution Channels Covered:

Direct Sales

Dealerships

Online Retail

Independent Service Centers

Applications Covered:

Original Equipment Manufacturer (OEM)

Aftermarket

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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