+357 96 030922
info@marketpublishers.com

Global Vibration Motors Market: 2026 Edition

https://marketpublishers.com/r/GF4D0C6D1803EN.html
Date: February 2026
Pages: 144
Price: US$ 2,250.00 (Single User License)
ID: GF4D0C6D1803EN

Abstracts

A vibratory motor, also known as an eccentric rotating mass (ERM) or vibrating motor, is a three-phase motor that produces vibration when activated. The global vibration motors market is associated with design, production, distribution, and application of vibration motors across various end-use industries, including consumer electronics, automotive, industrial machinery, healthcare, and construction equipment. The global vibration motors market value stood at US$5.01 billion in 2024, and is expected to reach US$10.81 billion by 2030.

The market is positively influenced by various factors, including rapid expansion of industrial automation and precision machinery, positive growth in consumer electronics industry, increasing adoption of haptic feedback in vehicle dashboards, seat massagers, and touch-based infotainment systems, rising demand for precision motors in aerospace & defense, rapid industrialization and urbanization in countries like China, India, & Brazil, and increasing applications in consumer devices like smartphones, wearables, and gaming controllers. In addition, growing demand for tactile feedback in smart home devices, rapidly expanding gaming industry, positive shift towards electric vehicles (EVs) and autonomous systems, ongoing development of miniature vibration motors for wearable devices, increasing technological advancements in vibrator motor design and materials, and expanding use of vibration motors in wearable health devices is expected to boost the growth of global vibration motors market in the forecasted period The market is expected to grow at a CAGR of 13.70% over the projected period of 2025-2030.

Market Segmentation Analysis:

By Product: The report provides the bifurcation of the global vibration motors market into six segments on the basis of product, namely, eccentric rotating mass, brused coin, brushless coin, PCB mounted, linear resonant actuators, and encapsulated. Eccentric

+357 96 030922
info@marketpublishers.com

rotating mass is the largest segment of global vibration motors market owing to rising automotive sector demand for tactile feedback systems, increasing adoption of haptic feedback in virtual reality (VR) and augmented reality (AR) devices, rapidly expanding wearable devices market, positive growth of e-commerce & digital payments, high demand in medical & healthcare devices, rapid growth of budget smartphones and feature phones, and increasing popularity of these motors in price-sensitive markets, especially in Asia-Pacific and Latin America, where affordability and mass production are crucial for consumer electronics. Linear Resonant Actuators (LRA) is the fastest growing segment of global vibration motors market owing to increasing demand for precise haptic feedback in consumer electronics, rapidly growing automotive sector, growing adoption in medical & healthcare devices, increasing use in smart home & IoT devices, and rising preference for noise-free operations. LRAs are becoming a preferred choice for high-end smartphones, AR/VR controllers, and gaming devices due to their superior vibration control and efficiency.

By Motor: The report provides the bifurcation of the global vibration motors market into two segments on the basis of motor, namely, DC vibration motor, and AC vibration motor. DC vibration motors market is the largest segment of global vibration motors market owing to rapidly expanding consumer electronics market, rising demand for miniaturized electronic components in wearables, positively growing gaming industry, rapid growth in remote working culture, ongoing advancements in micro-motors for medical and industrial applications, increasing number of developments in vibration-based sensory technologies, growing focus on sustainable and energy-efficient technology, and increasing adoption of haptic technology in emerging applications. AC vibration motors market is the fastest growing segment of global vibration motors market owing to rapid industrialization, increasing adoption in the agricultural sector, rise of industrial automation across manufacturing and processing industries, increased investment in global infrastructure projects, positive growth in vibrating screen applications, increasing demand in mining sector, rising adoption of vibration motors in construction for compacting and material handling, and increasing demand for vibrating equipment in recycling.

By Voltage: The report provides the bifurcation of the global vibration motors market into three segments on the basis of voltage, namely, more than 2 V, 1.5 - 2 V, and less than 1.5 V. More than 2 V vibration motor is the largest segment of global vibration motors market owing to positively growing end user industries, rising demand for electric vehicles (EVs) and advanced automotive technologies, growing need for haptic feedback in premium consumer electronics, rising demand in smart manufacturing systems, and ongoing innovations in motor design, including improvements in energy

+357 96 030922
info@marketpublishers.com

efficiency and compactness. Less than 1.5 V is the fastest growing segment of global vibration motors market. The increasing demand for energy-efficient and low-power devices, including includes toys, handheld gadgets, and basic mobile phones, is driving the growth of less than 1.5 V vibration motors market. The vibration motors in this voltage range are relatively inexpensive to manufacture, making them ideal for budget-sensitive applications.

By Application: The report provides the bifurcation of the global vibration motors market into four segments on the basis of application: consumer electronics, industrial handheld tools, medical applications, and other applications. In 2023, consumer electronics is the largest segment, and medical applications is the fastest growing segment of global vibration motors market in the forecasted period of 2025-2030. In the consumer electronics sector, vibration motors are predominantly used in mobile phones, gaming devices, and wearables. They provide haptic feedback, which enhances user interaction with devices by providing tactile responses. This feature has become an essential component in modern gadgets, especially as mobile applications and gaming experiences become increasingly immersive. The growing demand for smartphones, gaming consoles, and smartwatches continues to fuel the demand for small, energy-efficient vibration motors. As consumer preferences evolve and the integration of haptic feedback in products increases, manufacturers are focusing on improving motor performance while maintaining minimal size and low power consumption.

By Region: The report provides insight into the global vibration motors market based on regions namely, North America, Europe, Asia Pacific, and rest of the world. North America vibration motors market has been positively expanding over the years as a result of advanced industrial base, well-established manufacturing sector, high consumer spending on advanced technologies, rapidly expanding aerospace and defense industry, strong consumer electronics sector, rising demand for medical devices and healthcare applications, surge in EV production, strong presence of major tech companies, and increasing demand for haptic feedback systems in gaming, medical devices, and AR/VR application.

Asia pacific is the largest and fastest growing region of the global vibration motors market owing to rapid urbanization, increase in number of large-scale infrastructure projects, rising disposable income, rapidly expanding consumer good industry, presence of robust automotive industry, increasing automation in manufacturing processes, strong consumer electronics industry, rapidly expanding industrial base in countries like China, India, and Japan, ongoing advancements in robotics and automation, and high penetration of wearable devices in fitness and healthcare sectors.

+357 96 030922
info@marketpublishers.com

Also, booming e-commerce sector in the region, especially in China and India, has increased the demand for vibration motors in logistics and warehousing, where these motors are critical for automated sorting systems, conveyor belts, and robotic material handling systems. On the basis of region, Asia Pacific vibration motors market is segmented into five region, namely, China, Japan, South Korea, India, and rest of Asia Pacific, where China is the largest region of Asia Pacific vibration motors market as a result of rapidly expanding automotive industry, presence of massive consumer electronics market, country's strong leadership in robotics and industrial automation, booming e-commerce sector, region being a prominent manufacturing hub, China's investment in smart city infrastructure, increasing consumer adoption of wearable technology, and region's well-established supply chain infrastructure.

Market Dynamics:

Growth Drivers: The global vibration motors market has been rapidly growing over the past few years, due to factors such as increasing demand for haptic feedback in consumer electronics, robust growth in automotive sector, growing popularity of wearable devices, rapidly expanding medical device applications, growing adoption of vibration motors in industrial automation, etc. The rapid growth of the consumer electronics industry is driving up the demand for vibration motors in smartphones, tablets, and gaming devices, for enhanced tactile feedback & immersive user experience. Many modern consumer devices are integrating haptic technology to improve user engagement, realism, and usability. In smartphones & tablets, haptic feedback enhances touchscreens, creating realistic sensations to touch inputs such as button presses, keyboard clicks, and gaming vibrations. So, rising need for engaging & interactive consumer devices is boosting the demand for high-performance haptic feedback systems, which rely on vibration motors. Also, as vehicles become more technologically advanced, the demand for vibration motors in haptic feedback systems for navigation, driver assistance, and infotainment continues to rise. Increasing demand for electric vehicles (EVs) and advanced driver assistance systems (ADAS) is boosting the demand for vibration motors in haptic control panels, infotainment systems, and alert mechanisms.

Challenges: However, the global vibration motors growth would be negatively impacted by various challenges such as, high price of advanced vibration motors, increased competition from alternative technologies, etc. The high price of advanced vibration motors is expected to impend the growth of global vibration motors market over the forecasted period. Vibration motors are crucial components in industries like manufacturing, automotive, and consumer electronics, but their high price point deters

+357 96 030922
info@marketpublishers.com

their adoption by small and medium-sized enterprises (SMEs) that often operate on tight budgets, leading to slower market adoption rate, and increased use of cheaper alternatives, such as piezoelectric actuators or electromagnetic systems. Also, while vibrator motors are widely used, there are other technologies available that can perform similar functions, such as piezoelectric motors or hydraulic systems. These alternatives offer advantages in specific applications, such as higher force output or lower operational costs, negatively impacting the demand for vibrator motors. Piezoelectric motors utilize the piezoelectric effect to generate motion, providing higher energy efficiency and lower power consumption compared to traditional eccentric rotating mass (ERM) motors and linear vibration motors (LVMs). Therefore, increasing competition from alternative technologies such as piezoelectric motors, or hydraulic systems will impend the growth of global vibration motors market in the forecasted period.

Trends: The global vibrator motor market is projected to grow at a fast pace during the forecasted period, owing to, increasing integration in smart home devices, growing demand in VR and gaming consoles, increasing focus on development of miniature vibration motors, ongoing technological advancements in vibrator motor design and materials, etc. The growing trend of smart home devices is driving the demand for vibration motors in applications such as smart doorbells, smart speakers, home security systems, wearable health monitoring systems, and home automation products. Smart home devices rely on vibration motors to provide haptic feedback, silent alerts, enhance user experience, and improve functionality. Smart locks use haptic feedback to confirm successful locking/unlocking actions. So, rising consumer inclination towards automation, convenience, and interconnected devices is expected to fuel the demand for vibration motors across multiple smart home segments, accelerating the growth of global vibration motors market in the forecasted period of 2025-2030. Furthermore, ongoing advancements in materials, such as the use of high-grade alloys, carbon composites, and specialized coatings, have led to the development of more durable and efficient vibrator motors, further accelerating the growth of global vibration motors market in the forecasted period of 2025-2030.

Impact Analysis of COVID-19 and Way Forward:

COVID-19 brought in many changes in the world in terms of reduced productivity, loss of life, business closures, closing down of factories and organizations, and shift to an online mode of work. Lockdown policies imposed by the government to prevent the spread of the virus forced vibration motor manufacturing companies, and end user industries to either shut down or run low on production capacity, resulting in lower production and demand of vibration motors during the period, 2019-2020. Also, during

+357 96 030922
info@marketpublishers.com

the early months of the pandemic, consumers prioritized essential goods such as food, healthcare, and hygiene products, reducing the demand for automotive and non-essential electronics, including smartphones, wearable, & gaming devices, negatively impacting the demand for coin vibration motors and linear vibration motors, critical for haptic feedback in cars and electronic devices.

Competitive Landscape:

The global vibration motors market is fragmented, with large number of companies, ranging from established brands to smaller regional players and niche manufacturers catering to the industry demand. The key players of the market are:

Nidec Corporation

Vybronics

Wolong Electric Group

INVICTA VIBRATORS

BEGE Power Transmission

Dongguan INEED Technology Co., Ltd.

EXEN Corp.

Zhejiang Guangling Vibrating Technology Co.,Ltd

Risun Expanse Corp.

RIEDRICH Schwingtechnik GmbH

Shanbo EM

Henan Pingyuan Mining Machinery Co., Ltd.

The competitive landscape is characterized by strategic partnerships and collaborations between key players aimed at expanding their product portfolios and geographical

+357 96 030922
info@marketpublishers.com

reach. Increasing number of players are engaging in key strategies, including mergers and acquisitions to consolidate their position in the global market. Also, new product development as a strategic approach is adopted by the leading companies to upscale their market presence among consumers. For instance, On March 16, 2022, Nidec Corporation announced that the company has developed the thinnest-class linear vibration motor (the “Slider”).

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

4. REGIONAL MARKET ANALYSIS

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

7. COMPETITIVE LANDSCAPE

8. COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Vibration Motors Market: 2026 Edition

Product link: https://marketpublishers.com/r/GF4D0C6D1803EN.html

Price: US$ 2,250.00 (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/GF4D0C6D1803EN.html