

Control Moment Gyroscope (CMG) Market - 2024-2033

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Abstracts

The Control Moment Gyroscope (CMG) Market was valued at US\$ 1.58 billion in 2024 and is anticipated to reach US\$ 3.05 billion by 2033, at a CAGR of 0.0758 from 2026 to 2032.

The report delivers in-depth insights into key market dynamics, including regional growth trends, market segmentation, CAGR projections, and the revenue performance of leading industry players. It also highlights major growth drivers shaping the market landscape. Designed to provide a clear and comprehensive perspective, the report offers a detailed view of the current market size in terms of both value and volume, along with emerging opportunities and the overall development outlook of the Control Moment Gyroscope (CMG) Market.

This report delivers a comprehensive overview of the Control Moment Gyroscope (CMG) Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding Control Moment Gyroscope (CMG) Market. The Control Moment Gyroscope (CMG) Market size, estimates, and forecasts are provided in terms of output/shipments (K MT) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2024–2033.

Control Moment Gyroscope (CMG) Market Scope:

By Type

Single-Gimbal CMG (SGCMG)

Double-Gimbal CMG (DGCMG)

Variable-Speed CMG (VSCMG)

Fixed-Speed CMG

Miniaturized or Micro CMG

By Configuration

Pyramid Configuration

Tetrahedral Configuration

Redundant Array Configuration

Skewed Configuration

Hybrid CMG Configuration

By Technology

Mechanical CMG

Electromechanical CMG

Magnetic Bearing CMG

AI-Enabled or Autonomous CMG

Radiation-Hardened CMG

By Application

Attitude Determination & Control Systems (ADCS)

Precision Pointing & Stabilization

Momentum Management

Orbital Maneuvering Support

Space Telescope Stabilization

By End-User

Space and Satellite

Defense & Military

Aerospace & Aviation

Marine & Shipbuilding

Robotics & Automation

Commercial Transportation Stabilization Systems

Others

Key Players

Honeywell Aerospace

Moog Inc

Blue Canyon Technologies

Airbus

Tensor Tech

VEOWARE SPACE

GYROMARINE S.r.l.

Northrop Grumman Corporation

OHB System AG

Exail Technologies

Major Highlights

This report delivers a comprehensive overview of the Control Moment Gyroscope (CMG) Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding Control Moment Gyroscope (CMG) Market. The Control Moment Gyroscope (CMG) Market size, estimates, and forecasts are provided in terms of output/shipments (K Sqm) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2024–2033.

This report will assist keyword manufacturers, new entrants, and companies across the industry value chain with information on revenues, production, and average prices for the overall market and its sub-segments, by company, by Type, by Application, and by region.

Regional Analysis:

North America (U.S., Canada, Mexico)

Europe (U.K., Italy, Germany, Russia, France, Spain, The Netherlands and Rest of Europe)

Asia-Pacific (India, Japan, China, South Korea, Australia, Indonesia Rest of Asia Pacific)

South America (Colombia, Brazil, Argentina, Rest of South America)

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of Middle East & Africa)

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Target Audience 2026

Manufacturers/ Buyers

Industry Investors/Investment Bankers

Research Professionals

Emerging Companies

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