

Global Inertial Measurement Unit (IMU) Market Size, Manufacturers, Opportunities and Forecast to 2030

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Abstracts

An IMU is a self-contained system that measures linear acceleration and angular motion/rotational rate using a combination of (typically) three gyroscopes and three accelerometers. IMUs are used as components of navigation and guidance systems to track the position, velocity, and orientation of a vehicle throughout a particular mission.

According to APO Research, The global Inertial Measurement Unit (IMU) market was estimated at US\$ million in 2023 and is projected to reach a revised size of US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

Global Inertial Measurement Unit (IMU) key players include Honeywell International, Northrop Grumman Corp, SAFRAN, Thales, etc. Global top four manufacturers hold a share over 50%.

North America is the largest market, with a share over 70%, followed by Europe and China, both have a share over 25 percent.

In terms of product, High-performance IMU is the largest segment, with a share over 60%. And in terms of application, the largest application is Defense, followed by Commercial Aerospace and Other Industrial Application.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Inertial Measurement Unit (IMU), with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business

decisions regarding Inertial Measurement Unit (IMU).

The Inertial Measurement Unit (IMU) market size, estimations, and forecasts are provided in terms of sales volume (K Units) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Inertial Measurement Unit (IMU) market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Honeywell International

Northrop Grumman Corp

SAFRAN

Thales

Kearfott

KVH Industries

UTC

Systron Donner Inertial

IAI Tamam

L3 Technologies

VectorNav

SBG systems

Navgnss

Starneto

Inertial Measurement Unit (IMU) segment by Type

High-performance IMU

MEMS Based IMU (except for consumer and automotive grade)

Inertial Measurement Unit (IMU) segment by Application

Defense

Commercial Aerospace

Other Industrial Application

Inertial Measurement Unit (IMU) Segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Inertial Measurement Unit (IMU) market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Inertial Measurement Unit (IMU) and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market

5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Inertial Measurement Unit (IMU).
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Introduces the study scope of this report, executive summary of market segments by type, market size segments for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 2: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: Detailed analysis of Inertial Measurement Unit (IMU) manufacturers competitive landscape, price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Sales, revenue of Inertial Measurement Unit (IMU) in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5: Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, Latin America, Middle East & Africa, sales and revenue by country.

Chapter 12: Analysis of industrial chain, key raw materials, manufacturing cost, and market dynamics.

Chapter 13: Concluding Insights of the report.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global Inertial Measurement Unit (IMU) Market Size Estimates and Forecasts (2019-2030)
 - 1.2.2 Global Inertial Measurement Unit (IMU) Sales Estimates and Forecasts (2019-2030)
- 1.3 Inertial Measurement Unit (IMU) Market by Type
 - 1.3.1 High-performance IMU
 - 1.3.2 MEMS Based IMU (except for consumer and automotive grade)
- 1.4 Global Inertial Measurement Unit (IMU) Market Size by Type
 - 1.4.1 Global Inertial Measurement Unit (IMU) Market Size Overview by Type (2019-2030)
 - 1.4.2 Global Inertial Measurement Unit (IMU) Historic Market Size Review by Type (2019-2024)
 - 1.4.3 Global Inertial Measurement Unit (IMU) Forecasted Market Size by Type (2025-2030)
- 1.5 Key Regions Market Size by Type
 - 1.5.1 North America Inertial Measurement Unit (IMU) Sales Breakdown by Type (2019-2024)
 - 1.5.2 Europe Inertial Measurement Unit (IMU) Sales Breakdown by Type (2019-2024)
 - 1.5.3 Asia-Pacific Inertial Measurement Unit (IMU) Sales Breakdown by Type (2019-2024)
 - 1.5.4 Latin America Inertial Measurement Unit (IMU) Sales Breakdown by Type (2019-2024)
 - 1.5.5 Middle East and Africa Inertial Measurement Unit (IMU) Sales Breakdown by Type (2019-2024)

2 GLOBAL MARKET DYNAMICS

- 2.1 Inertial Measurement Unit (IMU) Industry Trends
- 2.2 Inertial Measurement Unit (IMU) Industry Drivers
- 2.3 Inertial Measurement Unit (IMU) Industry Opportunities and Challenges
- 2.4 Inertial Measurement Unit (IMU) Industry Restraints

3 MARKET COMPETITIVE LANDSCAPE BY COMPANY

- 3.1 Global Top Players by Inertial Measurement Unit (IMU) Revenue (2019-2024)
- 3.2 Global Top Players by Inertial Measurement Unit (IMU) Sales (2019-2024)
- 3.3 Global Top Players by Inertial Measurement Unit (IMU) Price (2019-2024)
- 3.4 Global Inertial Measurement Unit (IMU) Industry Company Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Inertial Measurement Unit (IMU) Key Company Manufacturing Sites & Headquarters
- 3.6 Global Inertial Measurement Unit (IMU) Company, Product Type & Application
- 3.7 Global Inertial Measurement Unit (IMU) Company Commercialization Time
- 3.8 Market Competitive Analysis
 - 3.8.1 Global Inertial Measurement Unit (IMU) Market CR5 and HHI
 - 3.8.2 Global Top 5 and 10 Inertial Measurement Unit (IMU) Players Market Share by Revenue in 2023
 - 3.8.3 2023 Inertial Measurement Unit (IMU) Tier 1, Tier 2, and Tier

4 INERTIAL MEASUREMENT UNIT (IMU) REGIONAL STATUS AND OUTLOOK

- 4.1 Global Inertial Measurement Unit (IMU) Market Size and CAGR by Region: 2019 VS 2023 VS 2030
- 4.2 Global Inertial Measurement Unit (IMU) Historic Market Size by Region
 - 4.2.1 Global Inertial Measurement Unit (IMU) Sales in Volume by Region (2019-2024)
 - 4.2.2 Global Inertial Measurement Unit (IMU) Sales in Value by Region (2019-2024)
 - 4.2.3 Global Inertial Measurement Unit (IMU) Sales (Volume & Value), Price and Gross Margin (2019-2024)
- 4.3 Global Inertial Measurement Unit (IMU) Forecasted Market Size by Region
 - 4.3.1 Global Inertial Measurement Unit (IMU) Sales in Volume by Region (2025-2030)
 - 4.3.2 Global Inertial Measurement Unit (IMU) Sales in Value by Region (2025-2030)
 - 4.3.3 Global Inertial Measurement Unit (IMU) Sales (Volume & Value), Price and Gross Margin (2025-2030)

5 INERTIAL MEASUREMENT UNIT (IMU) BY APPLICATION

- 5.1 Inertial Measurement Unit (IMU) Market by Application
 - 5.1.1 Defense
 - 5.1.2 Commercial Aerospace
 - 5.1.3 Other Industrial Application
- 5.2 Global Inertial Measurement Unit (IMU) Market Size by Application
 - 5.2.1 Global Inertial Measurement Unit (IMU) Market Size Overview by Application

(2019-2030)

5.2.2 Global Inertial Measurement Unit (IMU) Historic Market Size Review by Application (2019-2024)

5.2.3 Global Inertial Measurement Unit (IMU) Forecasted Market Size by Application (2025-2030)

5.3 Key Regions Market Size by Application

5.3.1 North America Inertial Measurement Unit (IMU) Sales Breakdown by Application (2019-2024)

5.3.2 Europe Inertial Measurement Unit (IMU) Sales Breakdown by Application (2019-2024)

5.3.3 Asia-Pacific Inertial Measurement Unit (IMU) Sales Breakdown by Application (2019-2024)

5.3.4 Latin America Inertial Measurement Unit (IMU) Sales Breakdown by Application (2019-2024)

5.3.5 Middle East and Africa Inertial Measurement Unit (IMU) Sales Breakdown by Application (2019-2024)

6 COMPANY PROFILES

6.1 Honeywell International

6.1.1 Honeywell International Company Information

6.1.2 Honeywell International Business Overview

6.1.3 Honeywell International Inertial Measurement Unit (IMU) Sales, Revenue and Gross Margin (2019-2024)

6.1.4 Honeywell International Inertial Measurement Unit (IMU) Product Portfolio

6.1.5 Honeywell International Recent Developments

6.2 Northrop Grumman Corp

6.2.1 Northrop Grumman Corp Company Information

6.2.2 Northrop Grumman Corp Business Overview

6.2.3 Northrop Grumman Corp Inertial Measurement Unit (IMU) Sales, Revenue and Gross Margin (2019-2024)

6.2.4 Northrop Grumman Corp Inertial Measurement Unit (IMU) Product Portfolio

6.2.5 Northrop Grumman Corp Recent Developments

6.3 SAFRAN

6.3.1 SAFRAN Company Information

6.3.2 SAFRAN Business Overview

6.3.3 SAFRAN Inertial Measurement Unit (IMU) Sales, Revenue and Gross Margin (2019-2024)

6.3.4 SAFRAN Inertial Measurement Unit (IMU) Product Portfolio

6.3.5 SAFRAN Recent Developments

6.4 Thales

6.4.1 Thales Company Information

6.4.2 Thales Business Overview

6.4.3 Thales Inertial Measurement Unit (IMU) Sales, Revenue and Gross Margin (2019-2024)

6.4.4 Thales Inertial Measurement Unit (IMU) Product Portfolio

6.4.5 Thales Recent Developments

6.5 Kearfott

6.5.1 Kearfott Company Information

6.5.2 Kearfott Business Overview

6.5.3 Kearfott Inertial Measurement Unit (IMU) Sales, Revenue and Gross Margin (2019-2024)

6.5.4 Kearfott Inertial Measurement Unit (IMU) Product Portfolio

6.5.5 Kearfott Recent Developments

6.6 KVH Industries

6.6.1 KVH Industries Company Information

6.6.2 KVH Industries Business Overview

6.6.3 KVH Industries Inertial Measurement Unit (IMU) Sales, Revenue and Gross Margin (2019-2024)

6.6.4 KVH Industries Inertial Measurement Unit (IMU) Product Portfolio

6.6.5 KVH Industries Recent Developments

6.7 UTC

6.7.1 UTC Company Information

6.7.2 UTC Business Overview

6.7.3 UTC Inertial Measurement Unit (IMU) Sales, Revenue and Gross Margin (2019-2024)

6.7.4 UTC Inertial Measurement Unit (IMU) Product Portfolio

6.7.5 UTC Recent Developments

6.8 Systron Donner Inertial

6.8.1 Systron Donner Inertial Company Information

6.8.2 Systron Donner Inertial Business Overview

6.8.3 Systron Donner Inertial Inertial Measurement Unit (IMU) Sales, Revenue and Gross Margin (2019-2024)

6.8.4 Systron Donner Inertial Inertial Measurement Unit (IMU) Product Portfolio

6.8.5 Systron Donner Inertial Recent Developments

6.9 IAI Tamam

6.9.1 IAI Tamam Company Information

6.9.2 IAI Tamam Business Overview

6.9.3 IAI Tamam Inertial Measurement Unit (IMU) Sales, Revenue and Gross Margin (2019-2024)

6.9.4 IAI Tamam Inertial Measurement Unit (IMU) Product Portfolio

6.9.5 IAI Tamam Recent Developments

6.10 L3 Technologies

6.10.1 L3 Technologies Company Information

6.10.2 L3 Technologies Business Overview

6.10.3 L3 Technologies Inertial Measurement Unit (IMU) Sales, Revenue and Gross Margin (2019-2024)

6.10.4 L3 Technologies Inertial Measurement Unit (IMU) Product Portfolio

6.10.5 L3 Technologies Recent Developments

6.11 VectorNav

6.11.1 VectorNav Company Information

6.11.2 VectorNav Business Overview

6.11.3 VectorNav Inertial Measurement Unit (IMU) Sales, Revenue and Gross Margin (2019-2024)

6.11.4 VectorNav Inertial Measurement Unit (IMU) Product Portfolio

6.11.5 VectorNav Recent Developments

6.12 SBG systems

6.12.1 SBG systems Company Information

6.12.2 SBG systems Business Overview

6.12.3 SBG systems Inertial Measurement Unit (IMU) Sales, Revenue and Gross Margin (2019-2024)

6.12.4 SBG systems Inertial Measurement Unit (IMU) Product Portfolio

6.12.5 SBG systems Recent Developments

6.13 Navgss

6.13.1 Navgss Company Information

6.13.2 Navgss Business Overview

6.13.3 Navgss Inertial Measurement Unit (IMU) Sales, Revenue and Gross Margin (2019-2024)

6.13.4 Navgss Inertial Measurement Unit (IMU) Product Portfolio

6.13.5 Navgss Recent Developments

6.14 Starneto

6.14.1 Starneto Company Information

6.14.2 Starneto Business Overview

6.14.3 Starneto Inertial Measurement Unit (IMU) Sales, Revenue and Gross Margin (2019-2024)

6.14.4 Starneto Inertial Measurement Unit (IMU) Product Portfolio

6.14.5 Starneto Recent Developments

7 NORTH AMERICA BY COUNTRY

7.1 North America Inertial Measurement Unit (IMU) Sales by Country

7.1.1 North America Inertial Measurement Unit (IMU) Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

7.1.2 North America Inertial Measurement Unit (IMU) Sales by Country (2019-2024)

7.1.3 North America Inertial Measurement Unit (IMU) Sales Forecast by Country (2025-2030)

7.2 North America Inertial Measurement Unit (IMU) Market Size by Country

7.2.1 North America Inertial Measurement Unit (IMU) Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

7.2.2 North America Inertial Measurement Unit (IMU) Market Size by Country (2019-2024)

7.2.3 North America Inertial Measurement Unit (IMU) Market Size Forecast by Country (2025-2030)

8 EUROPE BY COUNTRY

8.1 Europe Inertial Measurement Unit (IMU) Sales by Country

8.1.1 Europe Inertial Measurement Unit (IMU) Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

8.1.2 Europe Inertial Measurement Unit (IMU) Sales by Country (2019-2024)

8.1.3 Europe Inertial Measurement Unit (IMU) Sales Forecast by Country (2025-2030)

8.2 Europe Inertial Measurement Unit (IMU) Market Size by Country

8.2.1 Europe Inertial Measurement Unit (IMU) Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

8.2.2 Europe Inertial Measurement Unit (IMU) Market Size by Country (2019-2024)

8.2.3 Europe Inertial Measurement Unit (IMU) Market Size Forecast by Country (2025-2030)

9 ASIA-PACIFIC BY COUNTRY

9.1 Asia-Pacific Inertial Measurement Unit (IMU) Sales by Country

9.1.1 Asia-Pacific Inertial Measurement Unit (IMU) Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.1.2 Asia-Pacific Inertial Measurement Unit (IMU) Sales by Country (2019-2024)

9.1.3 Asia-Pacific Inertial Measurement Unit (IMU) Sales Forecast by Country (2025-2030)

9.2 Asia-Pacific Inertial Measurement Unit (IMU) Market Size by Country

9.2.1 Asia-Pacific Inertial Measurement Unit (IMU) Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.2.2 Asia-Pacific Inertial Measurement Unit (IMU) Market Size by Country (2019-2024)

9.2.3 Asia-Pacific Inertial Measurement Unit (IMU) Market Size Forecast by Country (2025-2030)

10 LATIN AMERICA BY COUNTRY

10.1 Latin America Inertial Measurement Unit (IMU) Sales by Country

10.1.1 Latin America Inertial Measurement Unit (IMU) Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.1.2 Latin America Inertial Measurement Unit (IMU) Sales by Country (2019-2024)

10.1.3 Latin America Inertial Measurement Unit (IMU) Sales Forecast by Country (2025-2030)

10.2 Latin America Inertial Measurement Unit (IMU) Market Size by Country

10.2.1 Latin America Inertial Measurement Unit (IMU) Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.2.2 Latin America Inertial Measurement Unit (IMU) Market Size by Country (2019-2024)

10.2.3 Latin America Inertial Measurement Unit (IMU) Market Size Forecast by Country (2025-2030)

11 MIDDLE EAST AND AFRICA BY COUNTRY

11.1 Middle East and Africa Inertial Measurement Unit (IMU) Sales by Country

11.1.1 Middle East and Africa Inertial Measurement Unit (IMU) Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.1.2 Middle East and Africa Inertial Measurement Unit (IMU) Sales by Country (2019-2024)

11.1.3 Middle East and Africa Inertial Measurement Unit (IMU) Sales Forecast by Country (2025-2030)

11.2 Middle East and Africa Inertial Measurement Unit (IMU) Market Size by Country

11.2.1 Middle East and Africa Inertial Measurement Unit (IMU) Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.2.2 Middle East and Africa Inertial Measurement Unit (IMU) Market Size by Country (2019-2024)

11.2.3 Middle East and Africa Inertial Measurement Unit (IMU) Market Size Forecast

by Country (2025-2030)

12 VALUE CHAIN AND SALES CHANNELS ANALYSIS

12.1 Inertial Measurement Unit (IMU) Value Chain Analysis

12.1.1 Inertial Measurement Unit (IMU) Key Raw Materials

12.1.2 Key Raw Materials Price

12.1.3 Raw Materials Key Suppliers

12.1.4 Manufacturing Cost Structure

12.1.5 Inertial Measurement Unit (IMU) Production Mode & Process

12.2 Inertial Measurement Unit (IMU) Sales Channels Analysis

12.2.1 Direct Comparison with Distribution Share

12.2.2 Inertial Measurement Unit (IMU) Distributors

12.2.3 Inertial Measurement Unit (IMU) Customers

13 CONCLUDING INSIGHTS

14 APPENDIX

14.1 Reasons for Doing This Study

14.2 Research Methodology

14.3 Research Process

14.4 Authors List of This Report

14.5 Data Source

14.5.1 Secondary Sources

14.5.2 Primary Sources

14.6 Disclaimer

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