

Global High-performance Inertial Sensors and IMU Market Analysis and Forecast 2024-2030

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Abstracts

Summary

High-performance inertial sensors have traditionally been exclusively made with non-MEMS technologies such as fiber optic gyroscopes (FOGs) and ring laser gyros (RLGs). It refers to the applications: we take into account all the inertial sensors except the consumer and the automotive applications.

High-performance IMU refers to the RLG or FOG based IMU. The high-end MEMS based IMUs are not included in this report.

According to APO Research, The global High-performance Inertial Sensors and IMU market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

The US & Canada market for High-performance Inertial Sensors and IMU is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for High-performance Inertial Sensors and IMU is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The China market for High-performance Inertial Sensors and IMU is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for High-performance Inertial Sensors and IMU is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of High-performance Inertial Sensors and IMU include Navgns, Avic-gyro, SDI, Norinco Group, HY Technology, Baocheng, Right M&C, Chinastar and Chenxi, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

In terms of production side, this report researches the High-performance Inertial Sensors and IMU production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of High-performance Inertial Sensors and IMU by region (region level and country level), by Company, by Type and by Application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for High-performance Inertial Sensors and IMU, capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of High-performance Inertial Sensors and IMU, also provides the consumption of main regions and countries. Of the upcoming market potential for High-performance Inertial Sensors and IMU, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the High-performance Inertial Sensors and IMU sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global High-performance Inertial Sensors and IMU market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by Type and by Application, sales, revenue,

and price, from 2019 to 2030. Evaluation and forecast the market size for High-performance Inertial Sensors and IMU sales, projected growth trends, production technology, application and end-user industry.

High-performance Inertial Sensors and IMU segment by Company

Navgnss

Avic-gyro

SDI

Norinco Group

HY Technology

Baocheng

Right M&C

Chinastar

Chenxi

FACRI

StarNeto

High-performance Inertial Sensors and IMU segment by Type

High-performance gyroscopes

High-performance accelerometers

High-performance Inertial Sensors and IMU segment by Application

IMU

AHRS

INS/GPS

Other

High-performance Inertial Sensors and 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

Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.

5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

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 High-performance Inertial Sensors and 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 High-performance Inertial Sensors and 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 High-performance Inertial Sensors and 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 report scope of the report, executive summary of different

market segments (by type and by application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

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: High-performance Inertial Sensors and IMU production/output of global and key producers (regions/countries). It provides a quantitative analysis of the production, and development potential of each producer in the next six years.

Chapter 4: Sales (consumption), revenue of High-performance Inertial Sensors and IMU in global, regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space of each country in the world.

Chapter 5: Detailed analysis of High-performance Inertial Sensors and IMU manufacturers competitive landscape, price, sales, revenue, market share and industry ranking, latest development plan, merger, and acquisition information, etc.

Chapter 6: Provides the analysis of various market segments by type, covering the sales, revenue, average price, and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7: Provides the analysis of various market segments by application, covering the sales, revenue, average price, and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8: Provides profiles of key manufacturers, introducing the basic situation of the main companies in the market in detail, including product descriptions and specifications, High-performance Inertial Sensors and IMU sales, revenue, price, gross margin, and recent development, etc.

Chapter 9: North America (US & Canada) by type, by application and by country, sales, and revenue for each segment.

Chapter 10: Europe by type, by application and by country, sales, and revenue for each segment.

Chapter 11: China by type, by application, sales, and revenue for each segment.

Chapter 12: Asia (Excluding China) by type, by application and by region, sales, and revenue for each segment.

Chapter 13: Middle East, Africa, Latin America by type, by application and by country, sales, and revenue for each segment.

Chapter 14: Analysis of industrial chain, sales channel, key raw materials, distributors and customers.

Chapter 15: The main concluding insights of the report.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 High-performance Inertial Sensors and IMU Market by Type
 - 1.2.1 Global High-performance Inertial Sensors and IMU Market Size by Type, 2019 VS 2023 VS 2030
 - 1.2.2 High-performance gyroscopes
 - 1.2.3 High-performance accelerometers
- 1.3 High-performance Inertial Sensors and IMU Market by Application
 - 1.3.1 Global High-performance Inertial Sensors and IMU Market Size by Application, 2019 VS 2023 VS 2030
 - 1.3.2 IMU
 - 1.3.3 AHRS
 - 1.3.4 INS/GPS
 - 1.3.5 Other
- 1.4 Assumptions and Limitations
- 1.5 Study Goals and Objectives

2 HIGH-PERFORMANCE INERTIAL SENSORS AND IMU MARKET DYNAMICS

- 2.1 High-performance Inertial Sensors and IMU Industry Trends
- 2.2 High-performance Inertial Sensors and IMU Industry Drivers
- 2.3 High-performance Inertial Sensors and IMU Industry Opportunities and Challenges
- 2.4 High-performance Inertial Sensors and IMU Industry Restraints

3 GLOBAL HIGH-PERFORMANCE INERTIAL SENSORS AND IMU PRODUCTION OVERVIEW

- 3.1 Global High-performance Inertial Sensors and IMU Production Capacity (2019-2030)
- 3.2 Global High-performance Inertial Sensors and IMU Production by Region: 2019 VS 2023 VS 2030
- 3.3 Global High-performance Inertial Sensors and IMU Production by Region
 - 3.3.1 Global High-performance Inertial Sensors and IMU Production by Region (2019-2024)
 - 3.3.2 Global High-performance Inertial Sensors and IMU Production by Region (2025-2030)

3.3.3 Global High-performance Inertial Sensors and IMU Production Market Share by Region (2019-2030)

3.4 North America

3.5 Europe

3.6 China

3.7 Japan

4 GLOBAL MARKET GROWTH PROSPECTS

4.1 Global High-performance Inertial Sensors and IMU Revenue Estimates and Forecasts (2019-2030)

4.2 Global High-performance Inertial Sensors and IMU Revenue by Region

4.2.1 Global High-performance Inertial Sensors and IMU Revenue by Region: 2019 VS 2023 VS 2030

4.2.2 Global High-performance Inertial Sensors and IMU Revenue by Region (2019-2024)

4.2.3 Global High-performance Inertial Sensors and IMU Revenue by Region (2025-2030)

4.2.4 Global High-performance Inertial Sensors and IMU Revenue Market Share by Region (2019-2030)

4.3 Global High-performance Inertial Sensors and IMU Sales Estimates and Forecasts 2019-2030

4.4 Global High-performance Inertial Sensors and IMU Sales by Region

4.4.1 Global High-performance Inertial Sensors and IMU Sales by Region: 2019 VS 2023 VS 2030

4.4.2 Global High-performance Inertial Sensors and IMU Sales by Region (2019-2024)

4.4.3 Global High-performance Inertial Sensors and IMU Sales by Region (2025-2030)

4.4.4 Global High-performance Inertial Sensors and IMU Sales Market Share by Region (2019-2030)

4.5 US & Canada

4.6 Europe

4.7 China

4.8 Asia (Excluding China)

4.9 Middle East, Africa and Latin America

5 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

5.1 Global High-performance Inertial Sensors and IMU Revenue by Manufacturers

5.1.1 Global High-performance Inertial Sensors and IMU Revenue by Manufacturers

(2019-2024)

5.1.2 Global High-performance Inertial Sensors and IMU Revenue Market Share by Manufacturers (2019-2024)

5.1.3 Global High-performance Inertial Sensors and IMU Manufacturers Revenue Share Top 10 and Top 5 in 2023

5.2 Global High-performance Inertial Sensors and IMU Sales by Manufacturers

5.2.1 Global High-performance Inertial Sensors and IMU Sales by Manufacturers (2019-2024)

5.2.2 Global High-performance Inertial Sensors and IMU Sales Market Share by Manufacturers (2019-2024)

5.2.3 Global High-performance Inertial Sensors and IMU Manufacturers Sales Share Top 10 and Top 5 in 2023

5.3 Global High-performance Inertial Sensors and IMU Sales Price by Manufacturers (2019-2024)

5.4 Global High-performance Inertial Sensors and IMU Key Manufacturers Ranking, 2022 VS 2023 VS 2024

5.5 Global High-performance Inertial Sensors and IMU Key Manufacturers Manufacturing Sites & Headquarters

5.6 Global High-performance Inertial Sensors and IMU Manufacturers, Product Type & Application

5.7 Global High-performance Inertial Sensors and IMU Manufacturers Commercialization Time

5.8 Market Competitive Analysis

5.8.1 Global High-performance Inertial Sensors and IMU Market CR5 and HHI

5.8.2 2023 High-performance Inertial Sensors and IMU Tier 1, Tier 2, and Tier

6 HIGH-PERFORMANCE INERTIAL SENSORS AND IMU MARKET BY TYPE

6.1 Global High-performance Inertial Sensors and IMU Revenue by Type

6.1.1 Global High-performance Inertial Sensors and IMU Revenue by Type (2019 VS 2023 VS 2030)

6.1.2 Global High-performance Inertial Sensors and IMU Revenue by Type (2019-2030) & (US\$ Million)

6.1.3 Global High-performance Inertial Sensors and IMU Revenue Market Share by Type (2019-2030)

6.2 Global High-performance Inertial Sensors and IMU Sales by Type

6.2.1 Global High-performance Inertial Sensors and IMU Sales by Type (2019 VS 2023 VS 2030)

6.2.2 Global High-performance Inertial Sensors and IMU Sales by Type (2019-2030) &

(K Units)

6.2.3 Global High-performance Inertial Sensors and IMU Sales Market Share by Type (2019-2030)

6.3 Global High-performance Inertial Sensors and IMU Price by Type

7 HIGH-PERFORMANCE INERTIAL SENSORS AND IMU MARKET BY APPLICATION

7.1 Global High-performance Inertial Sensors and IMU Revenue by Application

7.1.1 Global High-performance Inertial Sensors and IMU Revenue by Application (2019 VS 2023 VS 2030)

7.1.2 Global High-performance Inertial Sensors and IMU Revenue by Application (2019-2030) & (US\$ Million)

7.1.3 Global High-performance Inertial Sensors and IMU Revenue Market Share by Application (2019-2030)

7.2 Global High-performance Inertial Sensors and IMU Sales by Application

7.2.1 Global High-performance Inertial Sensors and IMU Sales by Application (2019 VS 2023 VS 2030)

7.2.2 Global High-performance Inertial Sensors and IMU Sales by Application (2019-2030) & (K Units)

7.2.3 Global High-performance Inertial Sensors and IMU Sales Market Share by Application (2019-2030)

7.3 Global High-performance Inertial Sensors and IMU Price by Application

8 COMPANY PROFILES

8.1 Navgnss

8.1.1 Navgnss Comapny Information

8.1.2 Navgnss Business Overview

8.1.3 Navgnss High-performance Inertial Sensors and IMU Sales, Revenue, Price and Gross Margin (2019-2024)

8.1.4 Navgnss High-performance Inertial Sensors and IMU Product Portfolio

8.1.5 Navgnss Recent Developments

8.2 Avic-gyro

8.2.1 Avic-gyro Comapny Information

8.2.2 Avic-gyro Business Overview

8.2.3 Avic-gyro High-performance Inertial Sensors and IMU Sales, Revenue, Price and Gross Margin (2019-2024)

8.2.4 Avic-gyro High-performance Inertial Sensors and IMU Product Portfolio

8.2.5 Avic-gyro Recent Developments

8.3 SDI

8.3.1 SDI Company Information

8.3.2 SDI Business Overview

8.3.3 SDI High-performance Inertial Sensors and IMU Sales, Revenue, Price and Gross Margin (2019-2024)

8.3.4 SDI High-performance Inertial Sensors and IMU Product Portfolio

8.3.5 SDI Recent Developments

8.4 Norinco Group

8.4.1 Norinco Group Company Information

8.4.2 Norinco Group Business Overview

8.4.3 Norinco Group High-performance Inertial Sensors and IMU Sales, Revenue, Price and Gross Margin (2019-2024)

8.4.4 Norinco Group High-performance Inertial Sensors and IMU Product Portfolio

8.4.5 Norinco Group Recent Developments

8.5 HY Technology

8.5.1 HY Technology Company Information

8.5.2 HY Technology Business Overview

8.5.3 HY Technology High-performance Inertial Sensors and IMU Sales, Revenue, Price and Gross Margin (2019-2024)

8.5.4 HY Technology High-performance Inertial Sensors and IMU Product Portfolio

8.5.5 HY Technology Recent Developments

8.6 Baocheng

8.6.1 Baocheng Company Information

8.6.2 Baocheng Business Overview

8.6.3 Baocheng High-performance Inertial Sensors and IMU Sales, Revenue, Price and Gross Margin (2019-2024)

8.6.4 Baocheng High-performance Inertial Sensors and IMU Product Portfolio

8.6.5 Baocheng Recent Developments

8.7 Right M&C

8.7.1 Right M&C Company Information

8.7.2 Right M&C Business Overview

8.7.3 Right M&C High-performance Inertial Sensors and IMU Sales, Revenue, Price and Gross Margin (2019-2024)

8.7.4 Right M&C High-performance Inertial Sensors and IMU Product Portfolio

8.7.5 Right M&C Recent Developments

8.8 Chinastar

8.8.1 Chinastar Company Information

8.8.2 Chinastar Business Overview

8.8.3 Chinastar High-performance Inertial Sensors and IMU Sales, Revenue, Price and Gross Margin (2019-2024)

8.8.4 Chinastar High-performance Inertial Sensors and IMU Product Portfolio

8.8.5 Chinastar Recent Developments

8.9 Chenxi

8.9.1 Chenxi Company Information

8.9.2 Chenxi Business Overview

8.9.3 Chenxi High-performance Inertial Sensors and IMU Sales, Revenue, Price and Gross Margin (2019-2024)

8.9.4 Chenxi High-performance Inertial Sensors and IMU Product Portfolio

8.9.5 Chenxi Recent Developments

8.10 FACRI

8.10.1 FACRI Company Information

8.10.2 FACRI Business Overview

8.10.3 FACRI High-performance Inertial Sensors and IMU Sales, Revenue, Price and Gross Margin (2019-2024)

8.10.4 FACRI High-performance Inertial Sensors and IMU Product Portfolio

8.10.5 FACRI Recent Developments

8.11 StarNeto

8.11.1 StarNeto Company Information

8.11.2 StarNeto Business Overview

8.11.3 StarNeto High-performance Inertial Sensors and IMU Sales, Revenue, Price and Gross Margin (2019-2024)

8.11.4 StarNeto High-performance Inertial Sensors and IMU Product Portfolio

8.11.5 StarNeto Recent Developments

9 NORTH AMERICA

9.1 North America High-performance Inertial Sensors and IMU Market Size by Type

9.1.1 North America High-performance Inertial Sensors and IMU Revenue by Type (2019-2030)

9.1.2 North America High-performance Inertial Sensors and IMU Sales by Type (2019-2030)

9.1.3 North America High-performance Inertial Sensors and IMU Price by Type (2019-2030)

9.2 North America High-performance Inertial Sensors and IMU Market Size by Application

9.2.1 North America High-performance Inertial Sensors and IMU Revenue by Application (2019-2030)

9.2.2 North America High-performance Inertial Sensors and IMU Sales by Application (2019-2030)

9.2.3 North America High-performance Inertial Sensors and IMU Price by Application (2019-2030)

9.3 North America High-performance Inertial Sensors and IMU Market Size by Country

9.3.1 North America High-performance Inertial Sensors and IMU Revenue Grow Rate by Country (2019 VS 2023 VS 2030)

9.3.2 North America High-performance Inertial Sensors and IMU Sales by Country (2019 VS 2023 VS 2030)

9.3.3 North America High-performance Inertial Sensors and IMU Price by Country (2019-2030)

9.3.4 U.S.

9.3.5 Canada

10 EUROPE

10.1 Europe High-performance Inertial Sensors and IMU Market Size by Type

10.1.1 Europe High-performance Inertial Sensors and IMU Revenue by Type (2019-2030)

10.1.2 Europe High-performance Inertial Sensors and IMU Sales by Type (2019-2030)

10.1.3 Europe High-performance Inertial Sensors and IMU Price by Type (2019-2030)

10.2 Europe High-performance Inertial Sensors and IMU Market Size by Application

10.2.1 Europe High-performance Inertial Sensors and IMU Revenue by Application (2019-2030)

10.2.2 Europe High-performance Inertial Sensors and IMU Sales by Application (2019-2030)

10.2.3 Europe High-performance Inertial Sensors and IMU Price by Application (2019-2030)

10.3 Europe High-performance Inertial Sensors and IMU Market Size by Country

10.3.1 Europe High-performance Inertial Sensors and IMU Revenue Grow Rate by Country (2019 VS 2023 VS 2030)

10.3.2 Europe High-performance Inertial Sensors and IMU Sales by Country (2019 VS 2023 VS 2030)

10.3.3 Europe High-performance Inertial Sensors and IMU Price by Country (2019-2030)

10.3.4 Germany

10.3.5 France

10.3.6 U.K.

10.3.7 Italy

10.3.8 Russia

11 CHINA

11.1 China High-performance Inertial Sensors and IMU Market Size by Type

11.1.1 China High-performance Inertial Sensors and IMU Revenue by Type (2019-2030)

11.1.2 China High-performance Inertial Sensors and IMU Sales by Type (2019-2030)

11.1.3 China High-performance Inertial Sensors and IMU Price by Type (2019-2030)

11.2 China High-performance Inertial Sensors and IMU Market Size by Application

11.2.1 China High-performance Inertial Sensors and IMU Revenue by Application (2019-2030)

11.2.2 China High-performance Inertial Sensors and IMU Sales by Application (2019-2030)

11.2.3 China High-performance Inertial Sensors and IMU Price by Application (2019-2030)

12 ASIA (EXCLUDING CHINA)

12.1 Asia High-performance Inertial Sensors and IMU Market Size by Type

12.1.1 Asia High-performance Inertial Sensors and IMU Revenue by Type (2019-2030)

12.1.2 Asia High-performance Inertial Sensors and IMU Sales by Type (2019-2030)

12.1.3 Asia High-performance Inertial Sensors and IMU Price by Type (2019-2030)

12.2 Asia High-performance Inertial Sensors and IMU Market Size by Application

12.2.1 Asia High-performance Inertial Sensors and IMU Revenue by Application (2019-2030)

12.2.2 Asia High-performance Inertial Sensors and IMU Sales by Application (2019-2030)

12.2.3 Asia High-performance Inertial Sensors and IMU Price by Application (2019-2030)

12.3 Asia High-performance Inertial Sensors and IMU Market Size by Country

12.3.1 Asia High-performance Inertial Sensors and IMU Revenue Grow Rate by Country (2019 VS 2023 VS 2030)

12.3.2 Asia High-performance Inertial Sensors and IMU Sales by Country (2019 VS 2023 VS 2030)

12.3.3 Asia High-performance Inertial Sensors and IMU Price by Country (2019-2030)

12.3.4 Japan

12.3.5 South Korea

12.3.6 India

- 12.3.7 Australia
- 12.3.8 China Taiwan
- 12.3.9 Southeast Asia

13 MIDDLE EAST, AFRICA AND LATIN AMERICA

13.1 Middle East, Africa and Latin America High-performance Inertial Sensors and IMU Market Size by Type

13.1.1 Middle East, Africa and Latin America High-performance Inertial Sensors and IMU Revenue by Type (2019-2030)

13.1.2 Middle East, Africa and Latin America High-performance Inertial Sensors and IMU Sales by Type (2019-2030)

13.1.3 Middle East, Africa and Latin America High-performance Inertial Sensors and IMU Price by Type (2019-2030)

13.2 Middle East, Africa and Latin America High-performance Inertial Sensors and IMU Market Size by Application

13.2.1 Middle East, Africa and Latin America High-performance Inertial Sensors and IMU Revenue by Application (2019-2030)

13.2.2 Middle East, Africa and Latin America High-performance Inertial Sensors and IMU Sales by Application (2019-2030)

13.2.3 Middle East, Africa and Latin America High-performance Inertial Sensors and IMU Price by Application (2019-2030)

13.3 Middle East, Africa and Latin America High-performance Inertial Sensors and IMU Market Size by Country

13.3.1 Middle East, Africa and Latin America High-performance Inertial Sensors and IMU Revenue Grow Rate by Country (2019 VS 2023 VS 2030)

13.3.2 Middle East, Africa and Latin America High-performance Inertial Sensors and IMU Sales by Country (2019 VS 2023 VS 2030)

13.3.3 Middle East, Africa and Latin America High-performance Inertial Sensors and IMU Price by Country (2019-2030)

13.3.4 Mexico

13.3.5 Brazil

13.3.6 Israel

13.3.7 Argentina

13.3.8 Colombia

13.3.9 Turkey

13.3.10 Saudi Arabia

13.3.11 UAE

14 VALUE CHAIN AND SALES CHANNELS ANALYSIS

- 14.1 High-performance Inertial Sensors and IMU Value Chain Analysis
 - 14.1.1 High-performance Inertial Sensors and IMU Key Raw Materials
 - 14.1.2 Raw Materials Key Suppliers
 - 14.1.3 Manufacturing Cost Structure
 - 14.1.4 High-performance Inertial Sensors and IMU Production Mode & Process
- 14.2 High-performance Inertial Sensors and IMU Sales Channels Analysis
 - 14.2.1 Direct Comparison with Distribution Share
 - 14.2.2 High-performance Inertial Sensors and IMU Distributors
 - 14.2.3 High-performance Inertial Sensors and IMU Customers

15 CONCLUDING INSIGHTS

16 APPENDIX

- 16.1 Reasons for Doing This Study
- 16.2 Research Methodology
- 16.3 Research Process
- 16.4 Authors List of This Report
- 16.5 Data Source
 - 16.5.1 Secondary Sources
 - 16.5.2 Primary Sources
- 16.6 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. Global High-performance Inertial Sensors and IMU Market Size Growth Rate by Type (US\$ Million), 2019 VS 2023 VS 2030
- Table 2. Global High-performance Inertial Sensors and IMU Market Size Growth Rate by Type (US\$ Million), 2019 VS 2023 VS 2030
- Table 3. High-performance gyroscopes Major Manufacturers
- Table 4. High-performance accelerometers Major Manufacturers
- Table 5. Global High-performance Inertial Sensors and IMU Market Size Growth Rate by Application (US\$ Million), 2019 VS 2023 VS 2030
- Table 6. IMU Major Manufacturers
- Table 7. AHRS Major Manufacturers
- Table 8. INS/GPS Major Manufacturers
- Table 9. Other Major Manufacturers
- Table 10. High-performance Inertial Sensors and IMU Industry Trends
- Table 11. High-performance Inertial Sensors and IMU Industry Drivers
- Table 12. High-performance Inertial Sensors and IMU Industry Opportunities and Challenges
- Table 13. High-performance Inertial Sensors and IMU Industry Restraints
- Table 14. Global High-performance Inertial Sensors and IMU Production Growth Rate (CAGR) by Region: 2019 VS 2023 VS 2030 (K Units)
- Table 15. Global High-performance Inertial Sensors and IMU Production by Region (2019-2024) & (K Units)
- Table 16. Global High-performance Inertial Sensors and IMU Production by Region (2025-2030) & (K Units)
- Table 17. Global High-performance Inertial Sensors and IMU Production Market Share by Region (2019-2024)
- Table 18. Global High-performance Inertial Sensors and IMU Production Market Share by Region (2025-2030)
- Table 19. Global High-performance Inertial Sensors and IMU Revenue Grow Rate (CAGR) by Region: 2019 VS 2023 VS 2030 (US\$ Million)
- Table 20. Global High-performance Inertial Sensors and IMU Revenue by Region (2019-2024) & (US\$ Million)
- Table 21. Global High-performance Inertial Sensors and IMU Revenue by Region (2025-2030) & (US\$ Million)
- Table 22. Global High-performance Inertial Sensors and IMU Revenue Market Share by Region (2019-2024)

Table 23. Global High-performance Inertial Sensors and IMU Revenue Market Share by Region (2025-2030)

Table 24. Global High-performance Inertial Sensors and IMU Sales Grow Rate (CAGR) by Region: 2019 VS 2023 VS 2030 (K Units)

Table 25. Global High-performance Inertial Sensors and IMU Sales by Region (2019-2024) & (K Units)

Table 26. Global High-performance Inertial Sensors and IMU Sales by Region (2025-2030) & (K Units)

Table 27. Global High-performance Inertial Sensors and IMU Sales Market Share by Region (2019-2024)

Table 28. Global High-performance Inertial Sensors and IMU Sales Market Share by Region (2025-2030)

Table 29. Global High-performance Inertial Sensors and IMU Revenue by Manufacturers (US\$ Million) & (2019-2024)

Table 30. Global High-performance Inertial Sensors and IMU Revenue Market Share by Manufacturers (2019-2024)

Table 31. Global High-performance Inertial Sensors and IMU Sales by Manufacturers (US\$ Million) & (2019-2024)

Table 32. Global High-performance Inertial Sensors and IMU Sales Market Share by Manufacturers (2019-2024)

Table 33. Global High-performance Inertial Sensors and IMU Sales Price (USD/Unit) of Manufacturers (2019-2024)

Table 34. Global High-performance Inertial Sensors and IMU Key Manufacturers Ranking, 2022 VS 2023 VS 2024

Table 35. Global High-performance Inertial Sensors and IMU Key Manufacturers Manufacturing Sites & Headquarters

Table 36. Global High-performance Inertial Sensors and IMU Manufacturers, Product Type & Application

Table 37. Global High-performance Inertial Sensors and IMU Manufacturers Commercialization Time

Table 38. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 39. Global High-performance Inertial Sensors and IMU by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue of 2023)

Table 40. Global High-performance Inertial Sensors and IMU Revenue by Type 2019 VS 2023 VS 2030 (US\$ Million)

Table 41. Global High-performance Inertial Sensors and IMU Revenue by Type (2019-2024) & (US\$ Million)

Table 42. Global High-performance Inertial Sensors and IMU Revenue by Type (2025-2030) & (US\$ Million)

Table 43. Global High-performance Inertial Sensors and IMU Revenue Market Share by Type (2019-2024)

Table 44. Global High-performance Inertial Sensors and IMU Revenue Market Share by Type (2025-2030)

Table 45. Global High-performance Inertial Sensors and IMU Sales by Type 2019 VS 2023 VS 2030 (K Units)

Table 46. Global High-performance Inertial Sensors and IMU Sales by Type (2019-2024) & (K Units)

Table 47. Global High-performance Inertial Sensors and IMU Sales by Type (2025-2030) & (K Units)

Table 48. Global High-performance Inertial Sensors and IMU Sales Market Share by Type (2019-2024)

Table 49. Global High-performance Inertial Sensors and IMU Sales Market Share by Type (2025-2030)

Table 50. Global High-performance Inertial Sensors and IMU Price by Type (2019-2024) & (USD/Unit)

Table 51. Global High-performance Inertial Sensors and IMU Price by Type (2025-2030) & (USD/Unit)

Table 52. Global High-performance Inertial Sensors and IMU Revenue by Application 2019 VS 2023 VS 2030 (US\$ Million)

Table 53. Global High-performance Inertial Sensors and IMU Revenue by Application (2019-2024) & (US\$ Million)

Table 54. Global High-performance Inertial Sensors and IMU Revenue by Application (2025-2030) & (US\$ Million)

Table 55. Global High-performance Inertial Sensors and IMU Revenue Market Share by Application (2019-2024)

Table 56. Global High-performance Inertial Sensors and IMU Revenue Market Share by Application (2025-2030)

Table 57. Global High-performance Inertial Sensors and IMU Sales by Application 2019 VS 2023 VS 2030 (K Units)

Table 58. Global High-performance Inertial Sensors and IMU Sales by Application (2019-2024) & (K Units)

Table 59. Global High-performance Inertial Sensors and IMU Sales by Application (2025-2030) & (K Units)

Table 60. Global High-performance Inertial Sensors and IMU Sales Market Share by Application (2019-2024)

Table 61. Global High-performance Inertial Sensors and IMU Sales Market Share by Application (2025-2030)

Table 62. Global High-performance Inertial Sensors and IMU Price by Application

(2019-2024) & (USD/Unit)

Table 63. Global High-performance Inertial Sensors and IMU Price by Application

(2025-2030) & (USD/Unit)

Table 64. Navgnss Company Information

Table 65. Navgnss Business Overview

Table 66. Navgnss High-performance Inertial Sensors and IMU Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 67. Navgnss High-performance Inertial Sensors and IMU Product Portfolio

Table 68. Navgnss Recent Development

Table 69. Avic-gyro Company Information

Table 70. Avic-gyro Business Overview

Table 71. Avic-gyro High-performance Inertial Sensors and IMU Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 72. Avic-gyro High-performance Inertial Sensors and IMU Product Portfolio

Table 73. Avic-gyro Recent Development

Table 74. SDI Company Information

Table 75. SDI Business Overview

Table 76. SDI High-performance Inertial Sensors and IMU Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 77. SDI High-performance Inertial Sensors and IMU Product Portfolio

Table 78. SDI Recent Development

Table 79. Norinco Group Company Information

Table 80. Norinco Group Business Overview

Table 81. Norinco Group High-performance Inertial Sensors and IMU Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 82. Norinco Group High-performance Inertial Sensors and IMU Product Portfolio

Table 83. Norinco Group Recent Development

Table 84. HY Technology Company Information

Table 85. HY Technology Business Overview

Table 86. HY Technology High-performance Inertial Sensors and IMU Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 87. HY Technology High-performance Inertial Sensors and IMU Product Portfolio

Table 88. HY Technology Recent Development

Table 89. Baocheng Company Information

Table 90. Baocheng Business Overview

Table 91. Baocheng High-performance Inertial Sensors and IMU Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 92. Baocheng High-performance Inertial Sensors and IMU Product Portfolio

Table 93. Baocheng Recent Development

- Table 94. Right M&C Company Information
- Table 95. Right M&C Business Overview
- Table 96. Right M&C High-performance Inertial Sensors and IMU Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 97. Right M&C High-performance Inertial Sensors and IMU Product Portfolio
- Table 98. Right M&C Recent Development
- Table 99. Chinastar Company Information
- Table 100. Chinastar Business Overview
- Table 101. Chinastar High-performance Inertial Sensors and IMU Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 102. Chinastar High-performance Inertial Sensors and IMU Product Portfolio
- Table 103. Chinastar Recent Development
- Table 104. Chenxi Company Information
- Table 105. Chenxi Business Overview
- Table 106. Chenxi High-performance Inertial Sensors and IMU Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 107. Chenxi High-performance Inertial Sensors and IMU Product Portfolio
- Table 108. Chenxi Recent Development
- Table 109. FACRI Company Information
- Table 110. FACRI Business Overview
- Table 111. FACRI High-performance Inertial Sensors and IMU Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 112. FACRI High-performance Inertial Sensors and IMU Product Portfolio
- Table 113. FACRI Recent Development
- Table 114. StarNeto Company Information
- Table 115. StarNeto Business Overview
- Table 116. StarNeto High-performance Inertial Sensors and IMU Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 117. StarNeto High-performance Inertial Sensors and IMU Product Portfolio
- Table 118. StarNeto Recent Development
- Table 119. North America High-performance Inertial Sensors and IMU Revenue by Type (2019-2024) & (US\$ Million)
- Table 120. North America High-performance Inertial Sensors and IMU Revenue by Type (2025-2030) & (US\$ Million)
- Table 121. North America High-performance Inertial Sensors and IMU Sales by Type (2019-2024) & (K Units)
- Table 122. North America High-performance Inertial Sensors and IMU Sales by Type (2025-2030) & (K Units)
- Table 123. North America High-performance Inertial Sensors and IMU Sales Price by

Type (2019-2024) & (USD/Unit)

Table 124. North America High-performance Inertial Sensors and IMU Sales Price by Type (2025-2030) & (USD/Unit)

Table 125. North America High-performance Inertial Sensors and IMU Revenue by Application (2019-2024) & (US\$ Million)

Table 126. North America High-performance Inertial Sensors and IMU Revenue by Application (2025-2030) & (US\$ Million)

Table 127. North America High-performance Inertial Sensors and IMU Sales by Application (2019-2024) & (K Units)

Table 128. North America High-performance Inertial Sensors and IMU Sales by Application (2025-2030) & (K Units)

Table 129. North America High-performance Inertial Sensors and IMU Sales Price by Application (2019-2024) & (USD/Unit)

Table 130. North America High-performance Inertial Sensors and IMU Sales Price by Application (2025-2030) & (USD/Unit)

Table 131. North America High-performance Inertial Sensors and IMU Revenue Growth Rate by Country (2019 VS 2023 VS 2030) & (US\$ Million)

Table 132. North America High-performance Inertial Sensors and IMU Revenue Growth Rate by Country (2019-2024) & (US\$ Million)

Table 133. North America High-performance Inertial Sensors and IMU Revenue Growth Rate by Country (2025-2030) & (US\$ Million)

Table 134. North America High-performance Inertial Sensors and IMU Sales by Country (2019 VS 2023 VS 2030) & (K Units)

Table 135. North America High-performance Inertial Sensors and IMU Sales by Country (2019-2024) & (K Units)

Table 136. North America High-performance Inertial Sensors and IMU Sales by Country (2025-2030) & (K Units)

Table 137. North America High-performance Inertial Sensors and IMU Sales Price by Country (2019-2024) & (USD/Unit)

Table 138. North America High-performance Inertial Sensors and IMU Sales Price by Country (2025-2030) & (USD/Unit)

Table 139. U.S. High-performance Inertial Sensors and IMU Revenue (2019-2030) & (US\$ Million)

Table 140. Canada High-performance Inertial Sensors and IMU Revenue (2019-2030) & (US\$ Million)

Table 141. Europe High-performance Inertial Sensors and IMU Revenue by Type (2019-2024) & (US\$ Million)

Table 142. Europe High-performance Inertial Sensors and IMU Revenue by Type (2025-2030) & (US\$ Million)

Table 143. Europe High-performance Inertial Sensors and IMU Sales by Type (2019-2024) & (K Units)

Table 144. Europe High-performance Inertial Sensors and IMU Sales by Type (2025-2030) & (K Units)

Table 145. Europe High-performance Inertial Sensors and IMU Sales Price by Type (2019-2024) & (USD/Unit)

Table 146. Europe High-performance Inertial Sensors and IMU Sales Price by Type (2025-2030) & (USD/Unit)

Table 147. Europe High-performance Inertial Sensors and IMU Revenue by Application (2019-2024) & (US\$ Million)

Table 148. Europe High-performance Inertial Sensors and IMU Revenue by Application (2025-2030) & (US\$ Million)

Table 149. Europe High-performance Inertial Sensors and IMU Sales by Application (2019-2024) & (K Units)

Table 150. Europe High-performance Inertial Sensors and IMU Sales by Application (2025-2030) & (K Units)

Table 151. Europe High-performance Inertial Sensors and IMU Sales Price by Application (2019-2024) & (USD/Unit)

Table 152. Europe High-performance Inertial Sensors and IMU Sales Price by Application (2025-2030) & (USD/Unit)

Table 153. Europe High-performance Inertial Sensors and IMU Revenue Grow Rate by Country (2019 VS 2023 VS 2030) & (US\$ Million)

Table 154. Europe High-performance Inertial Sensors and IMU Revenue Grow Rate by Country (2019-2024) & (US\$ Million)

Table 155. Europe High-performance Inertial Sensors and IMU Revenue Grow Rate by Country (2025-2030) & (US\$ Million)

Table 156. Europe High-performance Inertial Sensors and IMU Sales by Country (2019 VS

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