

# **Global Machine Sensor Market Size study & Forecast, by Type (Temperature Sensor, Pressure Sensor, Position Sensor, Proximity Sensor, Force and Torque Sensor, Others), by End User Industry (Manufacturing, Oil and Gas, Automotive, Aerospace, Healthcare, Others), and Regional Analysis, 2023-2030**

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## **Abstracts**

Global Machine Sensor Market is valued at approximately USD 16.5 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 8.2% over the forecast period 2023-2030. The machine sensor market refers to the industry segment that encompasses the production, distribution, and utilization of sensors specifically designed for machines and automated systems. These sensors are utilized to monitor and detect various physical parameters such as temperature, pressure, motion, proximity, and other relevant factors, providing essential data for controlling and optimizing the performance of machines and processes. The machine sensor market is being driven by factors such as rising investment in industrial automation and proliferation of IoT devices

The automation system can then analyze the sensor data, identify patterns or anomalies, and trigger appropriate actions such as adjusting machine settings or initiating maintenance tasks. By utilizing machine sensors industries and automation manufacturing can boost their output. The Global private investment in industrial automation is rising. For instance, on June 2023, Siemens Announces USD 219.74 Million Industrial Automation Investment in Singapore. Similarly, on March 2023, Schneider Electric investing USD 43.95 million in new smart factory in Hungary. Thus, rising investment in industrial automation is fueling the growth of the market for machine sensors. In addition, the development of smart sensors and the growing focus on

sustainability create lucrative opportunities for the market. However, the high cost of machine sensors hinders the growth of the market over the forecasted period 2023-2030.

The key regions considered for the Global Machine Sensor Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the presence of several established machine sensor solution providers in region. These companies have invested heavily in R&D and have developed advanced machine sensor systems that cater to the specific needs of various industries. Asia Pacific is considered the fastest growing region during the forecasted period due to emerging economies and the increasing disposable income which develop the demand for consumer electronics and smart devices which are heavily rely on machine sensors.

Major market player included in this report are:

Baumer Holding AG

KYOCERA AVX Components (Werne) GmbH

TE Connectivity Ltd.

Tekscan, Inc.

Sensata Technologies, Inc.

ATI Industrial Automation Inc.

OMRON Corporation

FUTEK Advanced Sensor Technology, Inc.

Honeywell International Inc.

Infineon Technologies AG

Recent Developments in the Market:

In May 2023, OMRON recently unveiled an exciting strategic partnership with LAMBDA Automation. This collaboration aims to leverage OMRON's cutting-edge products and technology to drive the development of innovative industrial automation solutions. By working closely with OMRON as a Strategic Partner, LAMBDA Automation is expected to meet specific demands of End Users in key markets such as Food and Commodities, Pharma, Automotive, and Warehousing and Logistics. This partnership aims to promote rapid innovation and enable OMRON's advanced automation solutions to effectively meet the distinctive challenges and specific requirements of these industries.

Global Machine Sensor Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Type, End User Industry, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Temperature Sensor

Pressure Sensor

Position Sensor

Proximity Sensor

Force and Torque Sensor

Others

By End User Industry:

Manufacturing

Oil and Gas

Automotive

Aerospace

Healthcare

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
  - 1.2.1. Machine Sensor Market , by Region, 2020-2030 (USD Billion)
  - 1.2.2. Machine Sensor Market , by Type, 2020-2030 (USD Billion)
  - 1.2.3. Machine Sensor Market , by End User Industry, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL MACHINE SENSOR MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Industry Evolution
  - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL MACHINE SENSOR MARKET DYNAMICS

- 3.1. Machine Sensor Market Impact Analysis (2020-2030)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Rising investment in industrial automation
    - 3.1.1.2. Growing proliferation of IoT devices.
  - 3.1.2. Market Challenges
    - 3.1.2.1. High cost of machine sensors
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Development of smart sensor technology
    - 3.1.3.2. Growing focus on sustainability

### CHAPTER 4. GLOBAL MACHINE SENSOR MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers

- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
  - 4.3.5. Environmental
  - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL MACHINE SENSOR MARKET, BY TYPE**

- 5.1. Market Snapshot
- 5.2. Global Machine Sensor Market by Type, Performance - Potential Analysis
- 5.3. Global Machine Sensor Market Estimates & Forecasts by Type 2020-2030 (USD Billion)
- 5.4. Machine Sensor Market , Sub Segment Analysis
  - 5.4.1. Temperature Sensor
  - 5.4.2. Pressure Sensor
  - 5.4.3. Position Sensor
  - 5.4.4. Proximity Sensor
  - 5.4.5. Force and Torque Sensor
  - 5.4.6. Others

## **CHAPTER 6. GLOBAL MACHINE SENSOR MARKET, BY END USER INDUSTRY**

- 6.1. Market Snapshot
- 6.2. Global Machine Sensor Market by End User Industry, Performance - Potential Analysis
- 6.3. Global Machine Sensor Market Estimates & Forecasts by End User Industry 2020-2030 (USD Billion)

## 6.4. Machine Sensor Market , Sub Segment Analysis

- 6.4.1. Manufacturing
- 6.4.2. Oil and Gas
- 6.4.3. Automotive
- 6.4.4. Aerospace
- 6.4.5. Healthcare
- 6.4.6. Others

## **CHAPTER 7. GLOBAL MACHINE SENSOR MARKET, REGIONAL ANALYSIS**

### 7.1. Top Leading Countries

### 7.2. Top Emerging Countries

### 7.3. Machine Sensor Market , Regional Market Snapshot

### 7.4. North America Machine Sensor Market

#### 7.4.1. U.S. Machine Sensor Market

##### 7.4.1.1. Type breakdown estimates & forecasts, 2020-2030

##### 7.4.1.2. End User Industry breakdown estimates & forecasts, 2020-2030

#### 7.4.2. Canada Machine Sensor Market

### 7.5. Europe Machine Sensor Market Snapshot

#### 7.5.1. U.K. Machine Sensor Market

#### 7.5.2. Germany Machine Sensor Market

#### 7.5.3. France Machine Sensor Market

#### 7.5.4. Spain Machine Sensor Market

#### 7.5.5. Italy Machine Sensor Market

#### 7.5.6. Rest of Europe Machine Sensor Market

### 7.6. Asia-Pacific Machine Sensor Market Snapshot

#### 7.6.1. China Machine Sensor Market

#### 7.6.2. India Machine Sensor Market

#### 7.6.3. Japan Machine Sensor Market

#### 7.6.4. Australia Machine Sensor Market

#### 7.6.5. South Korea Machine Sensor Market

#### 7.6.6. Rest of Asia Pacific Machine Sensor Market

### 7.7. Latin America Machine Sensor Market Snapshot

#### 7.7.1. Brazil Machine Sensor Market

#### 7.7.2. Mexico Machine Sensor Market

### 7.8. Middle East & Africa Machine Sensor Market

#### 7.8.1. Saudi Arabia Machine Sensor Market

#### 7.8.2. South Africa Machine Sensor Market

#### 7.8.3. Rest of Middle East & Africa Machine Sensor Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

### 8.1. Key Company SWOT Analysis

8.1.1. Company

8.1.2. Company

8.1.3. Company

### 8.2. Top Market Strategies

### 8.3. Company Profiles

8.3.1. Baumer Holding AG

8.3.1.1. Key Information

8.3.1.2. Overview

8.3.1.3. Financial (Subject to Data Availability)

8.3.1.4. Product Summary

8.3.1.5. Recent Developments

8.3.2. KYOCERA AVX Components (Werne) GmbH

8.3.3. TE Connectivity Ltd.

8.3.4. Tekscan, Inc.

8.3.5. Sensata Technologies, Inc.

8.3.6. ATI Industrial Automation Inc.

8.3.7. OMRON Corporation

8.3.8. FUTEK Advanced Sensor Technology, Inc.

8.3.9. Honeywell International Inc.

8.3.10. Infineon Technologies AG

## **CHAPTER 9. RESEARCH PROCESS**

### 9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

### 9.2. Research Attributes

### 9.3. Research Assumption



## List Of Tables

### LIST OF TABLES

TABLE 1. Global Machine Sensor Market , report scope

TABLE 2. Global Machine Sensor Market estimates & forecasts by Region 2020-2030 (USD Billion)

TABLE 3. Global Machine Sensor Market estimates & forecasts by Type 2020-2030 (USD Billion)

TABLE 4. Global Machine Sensor Market estimates & forecasts by End User Industry 2020-2030 (USD Billion)

TABLE 5. Global Machine Sensor Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 6. Global Machine Sensor Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 7. Global Machine Sensor Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 8. Global Machine Sensor Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 9. Global Machine Sensor Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 10. Global Machine Sensor Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 11. Global Machine Sensor Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 12. Global Machine Sensor Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 13. Global Machine Sensor Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 14. Global Machine Sensor Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 15. U.S. Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 16. U.S. Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 17. U.S. Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 18. Canada Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 19. Canada Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 20. Canada Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. UK Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 22. UK Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 23. UK Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. Germany Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 25. Germany Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 26. Germany Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. France Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 28. France Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 29. France Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. Italy Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 31. Italy Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 32. Italy Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Spain Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 34. Spain Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 35. Spain Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. RoE Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 37. RoE Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 38. RoE Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 39. China Machine Sensor Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 40. China Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 41. China Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 42. India Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 43. India Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 44. India Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 45. Japan Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 46. Japan Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 47. Japan Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 48. South Korea Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 49. South Korea Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 50. South Korea Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 51. Australia Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 52. Australia Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 53. Australia Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 54. RoAPAC Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 55. RoAPAC Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 56. RoAPAC Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 57. Brazil Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 58. Brazil Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 59. Brazil Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 60. Mexico Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 61. Mexico Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 62. Mexico Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 63. RoLA Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 64. RoLA Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 65. RoLA Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66. Saudi Arabia Machine Sensor Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 67. South Africa Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 68. RoMEA Machine Sensor Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69. List of secondary sources, used in the study of global Machine Sensor Market

TABLE 70. List of primary sources, used in the study of global Machine Sensor Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures are dummy in nature, final lists may vary in the final deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Machine Sensor Market , research methodology
  - FIG 2. Global Machine Sensor Market , Market estimation techniques
  - FIG 3. Global Market size estimates & forecast methods
  - FIG 4. Global Machine Sensor Market , key trends 2022
  - FIG 5. Global Machine Sensor Market , growth prospects 2023-2030
  - FIG 6. Global Machine Sensor Market , porters 5 force model
  - FIG 7. Global Machine Sensor Market , pest analysis
  - FIG 8. Global Machine Sensor Market , value chain analysis
  - FIG 9. Global Machine Sensor Market by segment, 2020 & 2030 (USD Billion)
  - FIG 10. Global Machine Sensor Market by segment, 2020 & 2030 (USD Billion)
  - FIG 11. Global Machine Sensor Market by segment, 2020 & 2030 (USD Billion)
  - FIG 12. Global Machine Sensor Market by segment, 2020 & 2030 (USD Billion)
  - FIG 13. Global Machine Sensor Market by segment, 2020 & 2030 (USD Billion)
  - FIG 14. Global Machine Sensor Market , regional snapshot 2020 & 2030
  - FIG 15. North America Machine Sensor Market 2020 & 2030 (USD Billion)
  - FIG 16. Europe Machine Sensor Market 2020 & 2030 (USD Billion)
  - FIG 17. Asia pacific Machine Sensor Market 2020 & 2030 (USD Billion)
  - FIG 18. Latin America Machine Sensor Market 2020 & 2030 (USD Billion)
  - FIG 19. Middle East & Africa Machine Sensor Market 2020 & 2030 (USD Billion)
- List of tables and figures are dummy in nature, final lists may vary in the final deliverable

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