

# Global Robotic Sensors Market Growth 2023-2029

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## Abstracts

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Robotic sensors are used to estimate a robot's condition and environment. These signals are passed to a controller to enable appropriate behavior.

Sensors in robots are based on the functions of human sensory organs. Robots require extensive information about their environment in order to function effectively.

This report mainly focuses on the field of sensors for industrial robots.

LPI (LP Information)' newest research report, the "Robotic Sensors Industry Forecast" looks at past sales and reviews total world Robotic Sensors sales in 2022, providing a comprehensive analysis by region and market sector of projected Robotic Sensors sales for 2023 through 2029. With Robotic Sensors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Robotic Sensors industry.

This Insight Report provides a comprehensive analysis of the global Robotic Sensors landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Robotic Sensors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Robotic Sensors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Robotic Sensors and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity.

With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Robotic Sensors.

The global Robotic Sensors market size is projected to grow from US\$ 774.2 million in 2022 to US\$ 1316.9 million in 2029; it is expected to grow at a CAGR of 1316.9 from 2023 to 2029.

Global Robot Sensor key players include Cognex, Baluff Ag, Baumer Group, Ifm Electronic GmbH, Keyence, etc. Global top five manufacturers hold a share about 40%.

China is the largest market, with a share about 40%, followed by Europe and Japan, both have a share over 25 percent.

In terms of product, Vision Sensors is the largest segment, with a share about 35%. And in terms of application, the largest application is Electronics Manufacturing, followed by Automotive.

This report presents a comprehensive overview, market shares, and growth opportunities of Robotic Sensors market by product type, application, key manufacturers and key regions and countries.

## Market Segmentation:

### Segmentation by type

Temperature Sensor

Pressure Sensor

Position Sensor

Distance Sensor

Other

### Segmentation by application

Manufacturing

Automotive

Packaging Industry

Logistics

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

FANUC Corporation

Baumer Group

Honeywell International

Infineon Technologies

OMRON Corporation

TE Connectivity

Tekscan

Texas Instruments

Stmicroelectronics

NXP Semiconductors

Robert Bosch

Invensense

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Robotic Sensors market?

What factors are driving Robotic Sensors market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Robotic Sensors market opportunities vary by end market size?

How does Robotic Sensors break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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