

Sensors for Industrial Robot Market, Global Outlook and Forecast 2022-2028

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Abstracts

Industrial robots can generally be divided into four parts. Namely mechanical part, control part. The sensory part and the recognition part. The sensory part means that the robot USES sensors to absorb information from the outside world and transmit it to the recognition part. The recognition part feeds back the recognized information to the control part, and then feeds back to the sensitive part for operation control. Sensors play an important role in the construction of robots and are the key to the performance of robots. Robot sensors are different from industrial sensors which are widely used. They have higher requirements on the types of sensor information and intelligent processing. Both research and industrialization. All need to have a variety of subjects specialized technology and advanced craft equipment as a support. Robot sensors mainly include robot visual sense, tactile sense, proximity sense, distance sense, posture sense, position sense and other sensors. - the use and development of aspect sensors improve the level of robots and promote the deepening of robot technology; On the other hand, because of many difficulties in sensing technology, the development of robot is restrained and affected. To what extent the intelligent robot can develop in the future, the sensor will be one of the important keys. Therefore, only the development of high performance sensors can make the robot have good intelligent interface function.

This report contains market size and forecasts of Sensors for Industrial Robot in global, including the following market information:

Global Sensors for Industrial Robot Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Sensors for Industrial Robot Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Sensors for Industrial Robot companies in 2021 (%)

The global Sensors for Industrial Robot market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

By Energy Conversion Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Sensors for Industrial Robot include ATI Industrial Automation, Fanuc, FUTEK Advanced Sensor Technology, Honeywell International, Ams, Cognex, OTC Daihen, Hermary Opto Electronics and Inilabs, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Sensors for Industrial Robot manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Sensors for Industrial Robot Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Sensors for Industrial Robot Market Segment Percentages, by Type, 2021 (%)

By Energy Conversion

Active Sensors

Passive Sensors

BY Use Purpose

Internal Sensor

External Sensor

Global Sensors for Industrial Robot Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Sensors for Industrial Robot Market Segment Percentages, by Application, 2021 (%)

Material Handling

Welding

Assembly Line

Paint Robots

Global Sensors for Industrial Robot Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Sensors for Industrial Robot Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Sensors for Industrial Robot revenues in global market, 2017-2022
(Estimated), (\$ millions)

Key companies Sensors for Industrial Robot revenues share in global market, 2021 (%)

Key companies Sensors for Industrial Robot sales in global market, 2017-2022
(Estimated), (K Units)

Key companies Sensors for Industrial Robot sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

ATI Industrial Automation

Fanuc

FUTEK Advanced Sensor Technology

Honeywell International

Ams

Cognex

OTC Daihen

Hermaty Opto Electronics

Inilabs

MaxBotix

Perception Robotics

Roboception

EPSON

Tekscan

Omron

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