

Global Robotic Vision Market Size study, By Type (2D Vision Systems, 3D Vision Systems), By Component (Hardware, Software), By Industry (Automotive, Electronics, Food and Beverage, Pharmaceutical, Other Industries), and Regional Forecasts 2022-2028

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Abstracts

Global Robotic Vision Market is valued at approximately USDXX million in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2028. Robotic vision is a technology that combines vision algorithms and cameras to equip robots with vision-like capabilities. There are several technologies available, each of which is tailored to a certain use. Robotic vision enables the robot to execute both simple and complex tasks. The surging demand for smart cameras in robotic vision, rising adoption of 3D vision systems in industrial robotics, and increasing application in the automotive industry, coupled with the growing need for quality inspection with automated robotic vision are the key factors impelling the market demand across the globe. For instance, according to Statista, the automotive industry generates a revenue of USD 5,315 billion in 2017 around the world. Also, the amount is projected to increase and reach USD 8,931 billion by 2030. Thereby, the growth of the automotive industry is fueling the demand for robotic vision, which, in turn, augments the market growth in the near future. However, the high initial cost of installation and lack of awareness of robotic vision systems impede the growth of the market over the forecast period of 2022-2028. Also, rising government initiatives for boosting industrial automation and growing customization of robotic vision systems are anticipated to act as catalyzing factors for the market demand during the forecast period.

The key regions considered for the global Robotic Vision Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. Asia-Pacific is the leading region across the world in terms of market share owing to the rising

expenditure on technology development and increasing demand for quality control from industries such as electronics and automotive. Whereas, Asia-Pacific is anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Factors such as the presence of the leading market players, as well as the surging adoption of connected devices, would create lucrative growth prospects for the Robotic Vision Market across the Asia-Pacific region.

Major market players included in this report are:

Cognex Corporation
Basler AG
OMRON Corporation
National Instruments Corporation
Keyence Corporation
Teledyne DALSA
Tordivel AS
Hexagon AB
Yaskawa America, Inc.
ISRA Vision
Fanuc Corporation

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 eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product Types of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

2D Vision Systems
3D Vision Systems

By Component:

Hardware
Software

By Industry:

Automotive
Electronics
Food and Beverage

Pharmaceutical
Other Industries

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

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Robotic Vision Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers
Investors

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