

Vision Guided Robotics Market by Component Type(Hardware, Software, Services), Industry Vertical(Automobile, Electrical and Electronics, Aerospace and Defense, Food and Beverage, Healthcare and pharmaceutical, Metal Processing) - Global Opportunity Analysis and Industry Forecast, 2014-2022

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Abstracts

Vision guided robots performs image-based analysis for industrial processes. These robots are equipped with built-in cameras and sensors to provide a feedback indication to the robot controller and move towards the target location. Deployment of vision guided robotics technology enables increased production efficiency, enhanced quality, while reducing manual errors and resource wastage. These robots are utilized across various industrial verticals such as automobile, electrical & electronics, aerospace & defense, food & beverage, healthcare & pharmaceutical, and metal processing. The global vision guided robotics market was valued at \$3,834 million in 2015, and is projected to reach \$7,718 million by 2022, growing at a CAGR of 10.7% from 2016 to 2022.

Factors such as increase in need for automation and safety, high labor cost, and dearth of skilled labor drive the market growth. However, lack of awareness among manufacturers is the factor affecting the market growth.

The global vision guided robotics market has been analyzed and segmented based on types of components, industry vertical, and geography. The various components that make up a vision guided robotic system include hardware, software and services. The different hardware components include camera, sensors, controllers, actuators, and others. Vision guided robotics finds applications across a wide range of industries including automobile, electrical & electronics, healthcare & pharmaceutical, aerospace

& defense, food & beverage, and others. The microscopic analysis of the vision guided robotics market is conducted by examining various regions such as North America, Europe, Asia-Pacific, and LAMEA.

KEY BENEFITS

This report provides an overview of the trends, structure, drivers, challenges, and opportunities in the global vision guided robotics market.

Porter's Five Forces analysis highlights the potential of buyers & suppliers, and provides insights on the competitive structure of the vision guided robotics market to determine the investment pockets of the market.

Current and future trends adopted by the key market players are highlighted to determine overall competitiveness of the market.

The quantitative analysis of the vision guided robotics market from 2014 to 2022 is provided to elaborate the market potential.

Vision Guided Robotics Market Key Segments: By Component Type

Hardware

Software

Services

By Industry Vertical

Automobile

Electrical & Electronics

Aerospace & Defense

Food & Beverage

Healthcare & Pharmaceutical

Metal Processing

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

France

Germany

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

Key players profiled in the report

Pleora Technologies Inc.

DENSO Robotics

Allied Vision Technologies GmbH

OMRON Corporation

Cognex Corporation

ISRA VISION AG

Basler AG

BitFlow, Inc.

FANUC America Corporation

Yaskawa America, Inc.

Other Market Players Mentioned in the Report

ABB Group, Agile Planet, Kawasaki Heavy Industries, KUKA AG, Bastian Solutions, and others.

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