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Machine Vision - Global Market Outlook (2016-2022)

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Abstracts

According to Stratistics MRC, the Global Machine Vision market is estimated at $8.81 billion in 2015 and is expected to reach $14.72 billion by 2022 growing at a CAGR of 8.9% from 2015 to 2022. Some of the key factors influencing the market are regulatory mandates to assure quality at every stage of production, technological advancements such as integration with robotic controllers and increasing demand for application specific systems. However, educating users on rapidly changing vision technology and changing customer requirements for application specific solutions are some major factors hindering the market growth.

Amongst Products, PC-based systems segment acquired the largest market share during the forecast period. The growth is due to the growing number of regulatory mandates in manufacturing industries, increase in wages of labor in China and developing countries. Moreover, Asia Pacific commanded the largest share and is likely to provide huge growth opportunities for the market as it is considered as the manufacturing hub of the world. In addition, increasing automation in China and Japan can also be attributed for the growth of the market in this region.

Some of the key players in the market include Texas Instruments, Inc, Omron Corporation, Teledyne Technologies, Inc., National Instruments Corporation, Sony Corporation, Keyence Corporation, Basler AG, Intel Corporation, Jai A/S, ISRA Vision AG, IDS Imaging Development Systems GMBH [DE], Cognex Corporation, Baumer Optronic GmbH, Allied Vision Technologies GmbH, Microscan Systems, INC., MVTEC Software GMBH, Adept Technology, Inc. and Perceptron, Inc

Products Covered:

Smart Camera-Based Vision System

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- PC-Based Machine Vision System
- Embedded Systems

Components Covered:

- Software
  - Deep Learning Software
  - Application Specific
- Hardware
  - Optics
  - LED Lighting
  - Frame Grabbers
  - Processor
- Camera
  - Frame Rate
  - Sensor Type
  - Format
  - Interface Standards

Verticals Covered:

- Non-industrial Vertical
  - Security and Surveillance

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- Intelligent Transportation Systems
- Autonomous Cars
- Healthcare
- Agriculture
- Postal and Logistics
- Consumer Electronics

Industrial Vertical

- Electronics and Semiconductor
- Glass
- Food & Packaging
- Automotive
- Machinery
- Consumer Electronics
- Solar Panel Manufacturing
- Printing
- Wood and Paper
- Rubber and Plastic
- Pharmaceutical
- Food and Packaging

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- Life Sciences
- Metals
- Semiconductors
- Other Industrial verticals

Applications Covered:

- Positioning and Guidance
- Identification
- Measurement
- Quality Assurance & Inspection

Technologies Covered:

- Image Sensors
- Imaging Technology
- Augmented Reality
- Laser Technology

Regions Covered:

- North America
  - US
  - Canada

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- Mexico

Europe

- Germany
- France
- Italy
- UK
- Spain
- Rest of Europe

Asia Pacific

- Japan
- China
- India
- Australia
- New Zealand
- Rest of Asia Pacific

Rest of the World

- Middle East
- Brazil
- Argentina
- South Africa

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Egypt

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 7 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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