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Global Industrial Machine Vision Camera Market Growth 2025-2031

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Abstracts

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The global Industrial Machine Vision Camera market size is predicted to grow from US$ 1766 million in 2025 to US$ 2768 million in 2031; it is expected to grow at a CAGR of 7.8% from 2025 to 2031.

Industrial Machine Vision Camera refers to the Industrial camera for machine vision system.

Industrial cameras are a key component in machine vision systems. The most essential function is to convert optical signals into ordered electrical signals. Industrial Camera is a camera which has been designed to high-performance with repeatable performance and robust to withstand the demand of harsh industrial environments. These are commonly referred to as machine vision cameras as they are used on manufacturing processes for inspection/quality control.

Global core industrial machine vision camera manufacturers include Basler AG, Teledyne etc.The top 5 companies hold a share about 35%. Europe is the largest market, with a share about 42%, followed by North America and with the share about 33%.

LP Information, Inc. (LPI) ' newest research report, the “Industrial Machine Vision Camera Industry Forecast” looks at past sales and reviews total world Industrial Machine Vision Camera sales in 2024, providing a comprehensive analysis by region and market sector of projected Industrial Machine Vision Camera sales for 2025 through 2031. With Industrial Machine Vision Camera sales broken down by region, market

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sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Industrial Machine Vision Camera industry.

This Insight Report provides a comprehensive analysis of the global Industrial Machine Vision Camera 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 Industrial Machine Vision Camera portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Industrial Machine Vision Camera market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Industrial Machine Vision Camera 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 Industrial Machine Vision Camera.

This report presents a comprehensive overview, market shares, and growth opportunities of Industrial Machine Vision Camera market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Line Scan Camera

Area Scan Camera

Segmentation by Application:

Manufacturing

Medical and Life Sciences

Security and Surveillance

Intelligent Transportation System

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Others

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

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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 analysing the company's coverage, product portfolio, its market penetration.

Basler

Teledyne

FLIR Systems Inc

Jai

Cognex

Vieworks Co., Ltd.

Baumer

Microscan Systems (Omron)

Sony

Toshiba Teli

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National Instruments

IDS

The Imaging Source

Daheng Image

HIK Vision

TKH Group

Huaray Tech

Omron

CIS Corporation

Dahua Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Industrial Machine Vision Camera market?

What factors are driving Industrial Machine Vision Camera market growth, globally and by region?

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

How do Industrial Machine Vision Camera market opportunities vary by end market size?

How does Industrial Machine Vision Camera break out by Type, by Application?

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