

Global Machine Vision Bar Light Market Growth 2025-2031

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Abstracts

The global Machine Vision Bar Light market size is predicted to grow from US\$ 158 million in 2025 to US\$ 253 million in 2031; it is expected to grow at a CAGR of 8.1% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

A machine vision bar light is a linear LED illumination device designed for industrial automation inspection and image processing systems. It provides uniform and controllable strip lighting to enhance surface features and edge contrast of the target object, thereby improving the accuracy and stability of image recognition. Bar lights are commonly used in applications such as inspecting elongated workpieces, print quality, electronic component pins, and surface scratches on metals, especially where highlighting textures or edges is essential. By adjusting the illumination angle and mounting position, bar lights can achieve bright-field or dark-field lighting effects to meet various inspection requirements.

United States market for Machine Vision Bar Light is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Machine Vision Bar Light is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Machine Vision Bar Light is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Machine Vision Bar Light players cover OMRON, CCS Lighting, Advanced Illumination, Smart Vision Lights, Cognex Corporation, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the "Machine Vision Bar Light Industry Forecast" looks at past sales and reviews total world Machine Vision Bar Light sales in 2024, providing a comprehensive analysis by region and market sector of projected Machine Vision Bar Light sales for 2025 through 2031. With Machine Vision Bar Light sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Machine Vision Bar Light industry.

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

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

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

Segmentation by Type:

LED Light Source

Halogen Light Source

Xenon Light Source

Segmentation by Application:

Automotive

Consumer Electronics

Food and Beverage

Logistics

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

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.

OMRON

CCS Lighting

Advanced Illumination

Smart Vision Lights

Cognex Corporation

TPL Vision

Soda Vision

Opto Engineering

Lambda Photometrics

Hikrobot

OPT

Beckhoff

Zhirui Vision

Indcam Technology

Suzhou Linkhou Robot

HZTEST

Key Questions Addressed in this Report

What is the 10-year outlook for the global Machine Vision Bar Light market?

What factors are driving Machine Vision Bar Light market growth, globally and by region?

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

How do Machine Vision Bar Light market opportunities vary by end market size?

How does Machine Vision Bar Light break out by Type, by Application?

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