

# Global Machine Vision Light Source Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Machine Vision Light Source market size was valued at US\$ 1926 million in 2025 and is forecast to a readjusted size of US\$ 3267 million by 2032 with a CAGR of 4.4% during review period.

Machine Vision Light Sources are critical imaging components used in machine vision systems to provide stable, repeatable, and application-specific illumination for defect detection, positioning, dimensional measurement, OCR/OCV, and code reading. Their role is to enhance contrast, suppress glare, and expose the target feature in a controllable way so that cameras and algorithms can capture reliable images. In 2025, Global Machine Vision Light Source annual sales are estimated at about 4.8 million Units, the average ex-factory price is about 390 US\$/Unit production capacity is about 6.3 million Units per year, and the gross margin range is about 41%–48%.

The machine vision light source market is mainly driven by the rising need for high-repeatability, high-speed, and low-error-rate inspection in automated production, because even advanced cameras and algorithms depend on controlled illumination to generate usable images. Demand is further strengthened by tighter inspection requirements in semiconductors, consumer electronics, lithium battery manufacturing, and automotive components, where defect visibility, dimensional precision, character recognition, coating inspection, weld verification, and reflective-surface handling all require specialized lighting geometries and wavelengths.

This report is a detailed and comprehensive analysis for global Machine Vision Light Source market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is

constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Machine Vision Light Source market size and forecasts, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Machine Vision Light Source market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Machine Vision Light Source market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Machine Vision Light Source market shares of main players, shipments in revenue (\$ Million), sales quantity (Million Units), and ASP (US\$/Unit), 2021-2026

### **The Primary Objectives in This Report Are:**

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Machine Vision Light Source
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Machine Vision Light Source market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include CCS, Moritex, OPT, Basler, Opto Engineering, Smart Vision Lights, TPL Vision, Metaphase Technologies, Effilux, Techniquip Corporation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### **Market Segmentation**

Machine Vision Light Source market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

LED

Halogen

Fluorescent

#### Market segment by Shape

Ring Light

Bar Light

Others

#### Market segment by Emitting Shape

Spot Light

Line Light

#### Market segment by Application

Semiconductor and Electronics Manufacturing

Automotive

Food and Beverage

Logistics

Others

#### Major players covered

CCS

Moritex

OPT

Basler

Opto Engineering

Smart Vision Lights

TPL Vision

Metaphase Technologies

Effilux

Techniquip Corporation

Wordop

CST

V-Light

#### Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)  
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Machine Vision Light Source product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Machine Vision Light Source, with price, sales quantity, revenue, and global market share of Machine Vision Light Source from 2021 to 2026.

Chapter 3, the Machine Vision Light Source competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Machine Vision Light Source breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Machine Vision Light Source market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Machine Vision Light Source.

Chapter 14 and 15, to describe Machine Vision Light Source sales channel, distributors, customers, research findings and conclusion.

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