

Global Machine Vision Controller Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GA10DE3ED58EEN.html>

Date: July 2026

Pages: 147

Price: US\$ 4,480.00 (Single User License)

ID: GA10DE3ED58EEN

Abstracts

The global Machine Vision Controller market size is expected to reach \$ 70756 million by 2032, rising at a market growth of 10.0% CAGR during the forecast period (2026-2032).

A Machine Vision Controller is an industrial computing and control unit that serves as the central processing hub of a machine vision system. Machine vision controller prices vary by processing power and application. Entry-level models typically cost US\$500?2,000, standard industrial controllers US\$2,000?8,000, and high-performance AI or multi-camera systems US\$8,000?30,000+. The average selling price is generally around US\$4,000?6,000 per unit.

This report studies the global Machine Vision Controller demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Machine Vision Controller, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Machine Vision Controller that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Machine Vision Controller total market, 2021-2032, (USD Million)

Global Machine Vision Controller total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Machine Vision Controller total market, key domestic companies, and share, (USD Million)

Global Machine Vision Controller revenue by player, revenue and market share 2021-2026, (USD Million)

Global Machine Vision Controller total market by Type, CAGR, 2021-2032, (USD Million)

Global Machine Vision Controller total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Machine Vision Controller market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Cognex, Keyence, Omron, Teledyne DALSA, Basler, Zebra Technologies (Matrox Imaging), Advantech, Beckhoff Automation, B&R Automation, Panasonic Industry, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Machine Vision Controller market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Machine Vision Controller Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Machine Vision Controller Market, Segmentation by Type:

PC-Based Vision Controllers

Embedded Vision Controllers

AI Vision Controllers

Multi-Camera Vision Controllers

Smart Camera Controllers

Edge Vision Controllers

Real-Time Motion Vision Controllers

Global Machine Vision Controller Market, Segmentation by Processing Technology:

Rule-Based Vision Controllers

Deep Learning Vision Controllers

Hybrid AI Vision Controllers

Global Machine Vision Controller Market, Segmentation by AI Processing Capability:

Conventional Vision Controllers

AI-Enabled Vision Controllers

Deep Learning Vision Controllers

Global Machine Vision Controller Market, Segmentation by Application:

Automotive

Electronics & Semiconductor

Food & Beverage

Pharmaceutical & Medical Devices

Logistics & Warehousing

Consumer Goods Manufacturing

Aerospace & Defense

Companies Profiled:

Cognex

Keyence

Omron

Teledyne DALSA

Basler

Zebra Technologies (Matrox Imaging)

Advantech

Beckhoff Automation

B&R Automation

Panasonic Industry

Baumer

IDS Imaging Development Systems

Datalogic

Hikrobot

Daheng Image

Huaray Technology

OPT Machine Vision Tech

Key Questions Answered

1. How big is the global Machine Vision Controller market?
2. What is the demand of the global Machine Vision Controller market?
3. What is the year over year growth of the global Machine Vision Controller market?
4. What is the total value of the global Machine Vision Controller market?
5. Who are the Major Players in the global Machine Vision Controller market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Machine Vision Controller Introduction
- 1.2 World Machine Vision Controller Market Size & Forecast (2021 & 2025 & 2032)
- 1.3 World Machine Vision Controller Total Market by Region (by Headquarter Location)
 - 1.3.1 World Machine Vision Controller Market Size by Region (2021-2032), (by Headquarter Location)
 - 1.3.2 United States Based Company Machine Vision Controller Revenue (2021-2032)
 - 1.3.3 China Based Company Machine Vision Controller Revenue (2021-2032)
 - 1.3.4 Europe Based Company Machine Vision Controller Revenue (2021-2032)
 - 1.3.5 Japan Based Company Machine Vision Controller Revenue (2021-2032)
 - 1.3.6 South Korea Based Company Machine Vision Controller Revenue (2021-2032)
 - 1.3.7 ASEAN Based Company Machine Vision Controller Revenue (2021-2032)
 - 1.3.8 India Based Company Machine Vision Controller Revenue (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Machine Vision Controller Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Machine Vision Controller Consumption Value (2021-2032)
- 2.2 World Machine Vision Controller Consumption Value by Region
 - 2.2.1 World Machine Vision Controller Consumption Value by Region (2021-2026)
 - 2.2.2 World Machine Vision Controller Consumption Value Forecast by Region (2027-2032)
- 2.3 United States Machine Vision Controller Consumption Value (2021-2032)
- 2.4 China Machine Vision Controller Consumption Value (2021-2032)
- 2.5 Europe Machine Vision Controller Consumption Value (2021-2032)
- 2.6 Japan Machine Vision Controller Consumption Value (2021-2032)
- 2.7 South Korea Machine Vision Controller Consumption Value (2021-2032)
- 2.8 ASEAN Machine Vision Controller Consumption Value (2021-2032)
- 2.9 India Machine Vision Controller Consumption Value (2021-2032)

3 WORLD MACHINE VISION CONTROLLER COMPANIES COMPETITIVE ANALYSIS

- 3.1 World Machine Vision Controller Revenue by Player (2021-2026)
- 3.2 Industry Rank and Concentration Rate (CR)
 - 3.2.1 Global Machine Vision Controller Industry Rank of Major Players
 - 3.2.2 Global Concentration Ratios (CR4) for Machine Vision Controller in 2025
 - 3.2.3 Global Concentration Ratios (CR8) for Machine Vision Controller in 2025
- 3.3 Machine Vision Controller Company Evaluation Quadrant
- 3.4 Machine Vision Controller Market: Overall Company Footprint Analysis
 - 3.4.1 Machine Vision Controller Market: Region Footprint
 - 3.4.2 Machine Vision Controller Market: Company Product Type Footprint
 - 3.4.3 Machine Vision Controller Market: Company Product Application Footprint
- 3.5 Competitive Environment
 - 3.5.1 Historical Structure of the Industry
 - 3.5.2 Barriers of Market Entry
 - 3.5.3 Factors of Competition
- 3.6 Mergers & Acquisitions Activity

4 UNITED STATES VS CHINA VS REST OF WORLD (BY HEADQUARTER LOCATION)

- 4.1 United States VS China: Machine Vision Controller Revenue Comparison (by Headquarter Location)
 - 4.1.1 United States VS China: Machine Vision Controller Revenue Comparison (2021 & 2025 & 2032) (by Headquarter Location)
 - 4.1.2 United States VS China: Machine Vision Controller Revenue Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States Based Companies VS China Based Companies: Machine Vision Controller Consumption Value Comparison
 - 4.2.1 United States VS China: Machine Vision Controller Consumption Value Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Machine Vision Controller Consumption Value Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States Based Machine Vision Controller Companies and Market Share, 2021-2026
 - 4.3.1 United States Based Machine Vision Controller Companies, Headquarters (States, Country)
 - 4.3.2 United States Based Companies Machine Vision Controller Revenue, (2021-2026)
- 4.4 China Based Companies Machine Vision Controller Revenue and Market Share, 2021-2026

4.4.1 China Based Machine Vision Controller Companies, Company Headquarters (Province, Country)

4.4.2 China Based Companies Machine Vision Controller Revenue, (2021-2026)

4.5 Rest of World Based Machine Vision Controller Companies and Market Share, 2021-2026

4.5.1 Rest of World Based Machine Vision Controller Companies, Headquarters (Province, Country)

4.5.2 Rest of World Based Companies Machine Vision Controller Revenue (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Machine Vision Controller Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 PC-Based Vision Controllers

5.2.2 Embedded Vision Controllers

5.2.3 AI Vision Controllers

5.2.4 Multi-Camera Vision Controllers

5.2.5 Smart Camera Controllers

5.2.6 Edge Vision Controllers

5.2.7 Real-Time Motion Vision Controllers

5.3 Market Segment by Type

5.3.1 World Machine Vision Controller Market Size by Type (2021-2026)

5.3.2 World Machine Vision Controller Market Size by Type (2027-2032)

5.3.3 World Machine Vision Controller Market Size Market Share by Type (2027-2032)

6 MARKET ANALYSIS BY PROCESSING TECHNOLOGY

6.1 World Machine Vision Controller Market Size Overview by Processing Technology: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Processing Technology

6.2.1 Rule-Based Vision Controllers

6.2.2 Deep Learning Vision Controllers

6.2.3 Hybrid AI Vision Controllers

6.3 Market Segment by Processing Technology

6.3.1 World Machine Vision Controller Market Size by Processing Technology (2021-2026)

6.3.2 World Machine Vision Controller Market Size by Processing Technology

(2027-2032)

6.3.3 World Machine Vision Controller Market Size Market Share by Processing Technology (2027-2032)

7 MARKET ANALYSIS BY AI PROCESSING CAPABILITY

7.1 World Machine Vision Controller Market Size Overview by AI Processing Capability: 2021 VS 2025 VS 2032

7.2 Segment Introduction by AI Processing Capability

7.2.1 Conventional Vision Controllers

7.2.2 AI-Enabled Vision Controllers

7.2.3 Deep Learning Vision Controllers

7.3 Market Segment by AI Processing Capability

7.3.1 World Machine Vision Controller Market Size by AI Processing Capability (2021-2026)

7.3.2 World Machine Vision Controller Market Size by AI Processing Capability (2027-2032)

7.3.3 World Machine Vision Controller Market Size Market Share by AI Processing Capability (2027-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Machine Vision Controller Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Automotive

8.2.2 Electronics & Semiconductor

8.2.3 Food & Beverage

8.2.4 Pharmaceutical & Medical Devices

8.2.5 Logistics & Warehousing

8.2.6 Consumer Goods Manufacturing

8.2.7 Aerospace & Defense

8.3 Market Segment by Application

8.3.1 World Machine Vision Controller Market Size by Application (2021-2026)

8.3.2 World Machine Vision Controller Market Size by Application (2027-2032)

8.3.3 World Machine Vision Controller Market Size Market Share by Application (2021-2032)

9 COMPANY PROFILES

9.1 Cognex

9.1.1 Cognex Details

9.1.2 Cognex Major Business

9.1.3 Cognex Machine Vision Controller Product and Services

9.1.4 Cognex Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)

9.1.5 Cognex Recent Developments/Updates

9.1.6 Cognex Competitive Strengths & Weaknesses

9.2 Keyence

9.2.1 Keyence Details

9.2.2 Keyence Major Business

9.2.3 Keyence Machine Vision Controller Product and Services

9.2.4 Keyence Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)

9.2.5 Keyence Recent Developments/Updates

9.2.6 Keyence Competitive Strengths & Weaknesses

9.3 Omron

9.3.1 Omron Details

9.3.2 Omron Major Business

9.3.3 Omron Machine Vision Controller Product and Services

9.3.4 Omron Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)

9.3.5 Omron Recent Developments/Updates

9.3.6 Omron Competitive Strengths & Weaknesses

9.4 Teledyne DALSA

9.4.1 Teledyne DALSA Details

9.4.2 Teledyne DALSA Major Business

9.4.3 Teledyne DALSA Machine Vision Controller Product and Services

9.4.4 Teledyne DALSA Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)

9.4.5 Teledyne DALSA Recent Developments/Updates

9.4.6 Teledyne DALSA Competitive Strengths & Weaknesses

9.5 Basler

9.5.1 Basler Details

9.5.2 Basler Major Business

9.5.3 Basler Machine Vision Controller Product and Services

9.5.4 Basler Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)

- 9.5.5 Basler Recent Developments/Updates
- 9.5.6 Basler Competitive Strengths & Weaknesses
- 9.6 Zebra Technologies (Matrox Imaging)
 - 9.6.1 Zebra Technologies (Matrox Imaging) Details
 - 9.6.2 Zebra Technologies (Matrox Imaging) Major Business
 - 9.6.3 Zebra Technologies (Matrox Imaging) Machine Vision Controller Product and Services
 - 9.6.4 Zebra Technologies (Matrox Imaging) Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)
 - 9.6.5 Zebra Technologies (Matrox Imaging) Recent Developments/Updates
 - 9.6.6 Zebra Technologies (Matrox Imaging) Competitive Strengths & Weaknesses
- 9.7 Advantech
 - 9.7.1 Advantech Details
 - 9.7.2 Advantech Major Business
 - 9.7.3 Advantech Machine Vision Controller Product and Services
 - 9.7.4 Advantech Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)
 - 9.7.5 Advantech Recent Developments/Updates
 - 9.7.6 Advantech Competitive Strengths & Weaknesses
- 9.8 Beckhoff Automation
 - 9.8.1 Beckhoff Automation Details
 - 9.8.2 Beckhoff Automation Major Business
 - 9.8.3 Beckhoff Automation Machine Vision Controller Product and Services
 - 9.8.4 Beckhoff Automation Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Beckhoff Automation Recent Developments/Updates
 - 9.8.6 Beckhoff Automation Competitive Strengths & Weaknesses
- 9.9 B&R Automation
 - 9.9.1 B&R Automation Details
 - 9.9.2 B&R Automation Major Business
 - 9.9.3 B&R Automation Machine Vision Controller Product and Services
 - 9.9.4 B&R Automation Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)
 - 9.9.5 B&R Automation Recent Developments/Updates
 - 9.9.6 B&R Automation Competitive Strengths & Weaknesses
- 9.10 Panasonic Industry
 - 9.10.1 Panasonic Industry Details
 - 9.10.2 Panasonic Industry Major Business
 - 9.10.3 Panasonic Industry Machine Vision Controller Product and Services

9.10.4 Panasonic Industry Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)

9.10.5 Panasonic Industry Recent Developments/Updates

9.10.6 Panasonic Industry Competitive Strengths & Weaknesses

9.11 Baumer

9.11.1 Baumer Details

9.11.2 Baumer Major Business

9.11.3 Baumer Machine Vision Controller Product and Services

9.11.4 Baumer Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)

9.11.5 Baumer Recent Developments/Updates

9.11.6 Baumer Competitive Strengths & Weaknesses

9.12 IDS Imaging Development Systems

9.12.1 IDS Imaging Development Systems Details

9.12.2 IDS Imaging Development Systems Major Business

9.12.3 IDS Imaging Development Systems Machine Vision Controller Product and Services

9.12.4 IDS Imaging Development Systems Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)

9.12.5 IDS Imaging Development Systems Recent Developments/Updates

9.12.6 IDS Imaging Development Systems Competitive Strengths & Weaknesses

9.13 Datalogic

9.13.1 Datalogic Details

9.13.2 Datalogic Major Business

9.13.3 Datalogic Machine Vision Controller Product and Services

9.13.4 Datalogic Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)

9.13.5 Datalogic Recent Developments/Updates

9.13.6 Datalogic Competitive Strengths & Weaknesses

9.14 Hikrobot

9.14.1 Hikrobot Details

9.14.2 Hikrobot Major Business

9.14.3 Hikrobot Machine Vision Controller Product and Services

9.14.4 Hikrobot Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)

9.14.5 Hikrobot Recent Developments/Updates

9.14.6 Hikrobot Competitive Strengths & Weaknesses

9.15 Daheng Image

9.15.1 Daheng Image Details

- 9.15.2 Daheng Image Major Business
- 9.15.3 Daheng Image Machine Vision Controller Product and Services
- 9.15.4 Daheng Image Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)
- 9.15.5 Daheng Image Recent Developments/Updates
- 9.15.6 Daheng Image Competitive Strengths & Weaknesses
- 9.16 Huaray Technology
 - 9.16.1 Huaray Technology Details
 - 9.16.2 Huaray Technology Major Business
 - 9.16.3 Huaray Technology Machine Vision Controller Product and Services
 - 9.16.4 Huaray Technology Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)
 - 9.16.5 Huaray Technology Recent Developments/Updates
 - 9.16.6 Huaray Technology Competitive Strengths & Weaknesses
- 9.17 OPT Machine Vision Tech
 - 9.17.1 OPT Machine Vision Tech Details
 - 9.17.2 OPT Machine Vision Tech Major Business
 - 9.17.3 OPT Machine Vision Tech Machine Vision Controller Product and Services
 - 9.17.4 OPT Machine Vision Tech Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026)
 - 9.17.5 OPT Machine Vision Tech Recent Developments/Updates
 - 9.17.6 OPT Machine Vision Tech Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Machine Vision Controller Industry Chain
- 10.2 Machine Vision Controller Upstream Analysis
- 10.3 Machine Vision Controller Midstream Analysis
- 10.4 Machine Vision Controller Downstream Analysis

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Machine Vision Controller Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Table 2. World Machine Vision Controller Revenue by Region (2021-2026) & (USD Million), (by Headquarter Location)

Table 3. World Machine Vision Controller Revenue by Region (2027-2032) & (USD Million), (by Headquarter Location)

Table 4. World Machine Vision Controller Revenue Market Share by Region (2021-2026), (by Headquarter Location)

Table 5. World Machine Vision Controller Revenue Market Share by Region (2027-2032), (by Headquarter Location)

Table 6. Major Market Trends

Table 7. World Machine Vision Controller Consumption Value Growth Rate Forecast by Region (2021 & 2025 & 2032) & (USD Million)

Table 8. World Machine Vision Controller Consumption Value by Region (2021-2026) & (USD Million)

Table 9. World Machine Vision Controller Consumption Value Forecast by Region (2027-2032) & (USD Million)

Table 10. World Machine Vision Controller Revenue by Player (2021-2026) & (USD Million)

Table 11. Revenue Market Share of Key Machine Vision Controller Players in 2025

Table 12. World Machine Vision Controller Industry Rank of Major Player, Based on Revenue in 2025

Table 13. Global Machine Vision Controller Company Evaluation Quadrant

Table 14. Head Office of Key Machine Vision Controller Players

Table 15. Machine Vision Controller Market: Company Product Type Footprint

Table 16. Machine Vision Controller Market: Company Product Application Footprint

Table 17. Machine Vision Controller Mergers & Acquisitions Activity

Table 18. United States VS China Machine Vision Controller Revenue Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 19. United States VS China Machine Vision Controller Consumption Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 20. United States Based Machine Vision Controller Companies, Headquarters (States, Country)

Table 21. United States Based Companies Machine Vision Controller Revenue, (2021-2026) & (USD Million)

Table 22. United States Based Companies Machine Vision Controller Revenue Market Share (2021-2026)

Table 23. China Based Machine Vision Controller Companies, Headquarters (Province, Country)

Table 24. China Based Companies Machine Vision Controller Revenue, (2021-2026) & (USD Million)

Table 25. China Based Companies Machine Vision Controller Revenue Market Share (2021-2026)

Table 26. Rest of World Based Machine Vision Controller Companies, Headquarters (Province, Country)

Table 27. Rest of World Based Companies Machine Vision Controller Revenue (2021-2026) & (USD Million)

Table 28. Rest of World Based Companies Machine Vision Controller Revenue Market Share (2021-2026)

Table 29. World Machine Vision Controller Market Size by Type, (USD Million), 2021 & 2025 & 2032

Table 30. World Machine Vision Controller Market Size Value by Type (2021-2026) & (USD Million)

Table 31. World Machine Vision Controller Market Size by Type (2027-2032) & (USD Million)

Table 32. World Machine Vision Controller Market Size by Processing Technology, (USD Million), 2021 & 2025 & 2032

Table 33. World Machine Vision Controller Market Size Value by Processing Technology (2021-2026) & (USD Million)

Table 34. World Machine Vision Controller Market Size by Processing Technology (2027-2032) & (USD Million)

Table 35. World Machine Vision Controller Market Size by AI Processing Capability, (USD Million), 2021 & 2025 & 2032

Table 36. World Machine Vision Controller Market Size Value by AI Processing Capability (2021-2026) & (USD Million)

Table 37. World Machine Vision Controller Market Size by AI Processing Capability (2027-2032) & (USD Million)

Table 38. World Machine Vision Controller Market Size by Application, (USD Million), 2021 & 2025 & 2032

Table 39. World Machine Vision Controller Market Size by Application (2021-2026) & (USD Million)

Table 40. World Machine Vision Controller Market Size by Application (2027-2032) & (USD Million)

Table 41. Cognex Basic Information, Manufacturing Base and Competitors

Table 42. Cognex Major Business

Table 43. Cognex Machine Vision Controller Product and Services

Table 44. Cognex Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 45. Cognex Recent Developments/Updates

Table 46. Cognex Competitive Strengths & Weaknesses

Table 47. Keyence Basic Information, Manufacturing Base and Competitors

Table 48. Keyence Major Business

Table 49. Keyence Machine Vision Controller Product and Services

Table 50. Keyence Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 51. Keyence Recent Developments/Updates

Table 52. Keyence Competitive Strengths & Weaknesses

Table 53. Omron Basic Information, Manufacturing Base and Competitors

Table 54. Omron Major Business

Table 55. Omron Machine Vision Controller Product and Services

Table 56. Omron Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 57. Omron Recent Developments/Updates

Table 58. Omron Competitive Strengths & Weaknesses

Table 59. Teledyne DALSA Basic Information, Manufacturing Base and Competitors

Table 60. Teledyne DALSA Major Business

Table 61. Teledyne DALSA Machine Vision Controller Product and Services

Table 62. Teledyne DALSA Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 63. Teledyne DALSA Recent Developments/Updates

Table 64. Teledyne DALSA Competitive Strengths & Weaknesses

Table 65. Basler Basic Information, Manufacturing Base and Competitors

Table 66. Basler Major Business

Table 67. Basler Machine Vision Controller Product and Services

Table 68. Basler Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 69. Basler Recent Developments/Updates

Table 70. Basler Competitive Strengths & Weaknesses

Table 71. Zebra Technologies (Matrox Imaging) Basic Information, Manufacturing Base and Competitors

Table 72. Zebra Technologies (Matrox Imaging) Major Business

Table 73. Zebra Technologies (Matrox Imaging) Machine Vision Controller Product and Services

Table 74. Zebra Technologies (Matrox Imaging) Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 75. Zebra Technologies (Matrox Imaging) Recent Developments/Updates

Table 76. Zebra Technologies (Matrox Imaging) Competitive Strengths & Weaknesses

Table 77. Advantech Basic Information, Manufacturing Base and Competitors

Table 78. Advantech Major Business

Table 79. Advantech Machine Vision Controller Product and Services

Table 80. Advantech Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 81. Advantech Recent Developments/Updates

Table 82. Advantech Competitive Strengths & Weaknesses

Table 83. Beckhoff Automation Basic Information, Manufacturing Base and Competitors

Table 84. Beckhoff Automation Major Business

Table 85. Beckhoff Automation Machine Vision Controller Product and Services

Table 86. Beckhoff Automation Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 87. Beckhoff Automation Recent Developments/Updates

Table 88. Beckhoff Automation Competitive Strengths & Weaknesses

Table 89. B&R Automation Basic Information, Manufacturing Base and Competitors

Table 90. B&R Automation Major Business

Table 91. B&R Automation Machine Vision Controller Product and Services

Table 92. B&R Automation Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 93. B&R Automation Recent Developments/Updates

Table 94. B&R Automation Competitive Strengths & Weaknesses

Table 95. Panasonic Industry Basic Information, Manufacturing Base and Competitors

Table 96. Panasonic Industry Major Business

Table 97. Panasonic Industry Machine Vision Controller Product and Services

Table 98. Panasonic Industry Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 99. Panasonic Industry Recent Developments/Updates

Table 100. Panasonic Industry Competitive Strengths & Weaknesses

Table 101. Baumer Basic Information, Manufacturing Base and Competitors

Table 102. Baumer Major Business

Table 103. Baumer Machine Vision Controller Product and Services

Table 104. Baumer Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 105. Baumer Recent Developments/Updates

Table 106. Baumer Competitive Strengths & Weaknesses

Table 107. IDS Imaging Development Systems Basic Information, Manufacturing Base and Competitors

Table 108. IDS Imaging Development Systems Major Business

Table 109. IDS Imaging Development Systems Machine Vision Controller Product and Services

Table 110. IDS Imaging Development Systems Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 111. IDS Imaging Development Systems Recent Developments/Updates

Table 112. IDS Imaging Development Systems Competitive Strengths & Weaknesses

Table 113. Datalogic Basic Information, Manufacturing Base and Competitors

Table 114. Datalogic Major Business

Table 115. Datalogic Machine Vision Controller Product and Services

Table 116. Datalogic Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 117. Datalogic Recent Developments/Updates

Table 118. Datalogic Competitive Strengths & Weaknesses

Table 119. Hikrobot Basic Information, Manufacturing Base and Competitors

Table 120. Hikrobot Major Business

Table 121. Hikrobot Machine Vision Controller Product and Services

Table 122. Hikrobot Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 123. Hikrobot Recent Developments/Updates

Table 124. Hikrobot Competitive Strengths & Weaknesses

Table 125. Daheng Image Basic Information, Manufacturing Base and Competitors

Table 126. Daheng Image Major Business

Table 127. Daheng Image Machine Vision Controller Product and Services

Table 128. Daheng Image Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 129. Daheng Image Recent Developments/Updates

Table 130. Daheng Image Competitive Strengths & Weaknesses

Table 131. Huaray Technology Basic Information, Manufacturing Base and Competitors

Table 132. Huaray Technology Major Business

Table 133. Huaray Technology Machine Vision Controller Product and Services

Table 134. Huaray Technology Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 135. Huaray Technology Recent Developments/Updates

Table 136. Huaray Technology Competitive Strengths & Weaknesses

Table 137. OPT Machine Vision Tech Basic Information, Manufacturing Base and Competitors

Table 138. OPT Machine Vision Tech Major Business
Table 139. OPT Machine Vision Tech Machine Vision Controller Product and Services
Table 140. OPT Machine Vision Tech Machine Vision Controller Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 141. OPT Machine Vision Tech Recent Developments/Updates
Table 142. OPT Machine Vision Tech Competitive Strengths & Weaknesses
Table 143. Global Key Players of Machine Vision Controller Upstream (Raw Materials)
Table 144. Global Machine Vision Controller Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Machine Vision Controller Picture

Figure 2. World Machine Vision Controller Total Revenue: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Machine Vision Controller Total Revenue (2021-2032) & (USD Million)

Figure 4. World Machine Vision Controller Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Figure 5. World Machine Vision Controller Revenue Market Share by Region (2021-2032), (by Headquarter Location)

Figure 6. United States Based Company Machine Vision Controller Revenue (2021-2032) & (USD Million)

Figure 7. China Based Company Machine Vision Controller Revenue (2021-2032) & (USD Million)

Figure 8. Europe Based Company Machine Vision Controller Revenue (2021-2032) & (USD Million)

Figure 9. Japan Based Company Machine Vision Controller Revenue (2021-2032) & (USD Million)

Figure 10. South Korea Based Company Machine Vision Controller Revenue (2021-2032) & (USD Million)

Figure 11. ASEAN Based Company Machine Vision Controller Revenue (2021-2032) & (USD Million)

Figure 12. India Based Company Machine Vision Controller Revenue (2021-2032) & (USD Million)

Figure 13. Machine Vision Controller Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Machine Vision Controller Consumption Value (2021-2032) & (USD Million)

Figure 16. World Machine Vision Controller Consumption Value Market Share by Region (2021-2032)

Figure 17. United States Machine Vision Controller Consumption Value (2021-2032) & (USD Million)

Figure 18. China Machine Vision Controller Consumption Value (2021-2032) & (USD Million)

Figure 19. Europe Machine Vision Controller Consumption Value (2021-2032) & (USD Million)

Figure 20. Japan Machine Vision Controller Consumption Value (2021-2032) & (USD Million)

Million)

Figure 21. South Korea Machine Vision Controller Consumption Value (2021-2032) & (USD Million)

Figure 22. ASEAN Machine Vision Controller Consumption Value (2021-2032) & (USD Million)

Figure 23. India Machine Vision Controller Consumption Value (2021-2032) & (USD Million)

Figure 24. Producer Shipments of Machine Vision Controller by Player Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for Machine Vision Controller Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for Machine Vision Controller Markets in 2025

Figure 27. United States VS China: Machine Vision Controller Revenue Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Machine Vision Controller Consumption Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. World Machine Vision Controller Market Size by Type, (USD Million), 2021 & 2025 & 2032

Figure 30. World Machine Vision Controller Market Size Market Share by Type in 2025

Figure 31. PC-Based Vision Controllers

Figure 32. Embedded Vision Controllers

Figure 33. AI Vision Controllers

Figure 34. Multi-Camera Vision Controllers

Figure 35. Smart Camera Controllers

Figure 36. Edge Vision Controllers

Figure 37. Real-Time Motion Vision Controllers

Figure 38. Real-Time Motion Vision Controllers

Figure 39. World Machine Vision Controller Market Size Market Share by Type (2021-2032)

Figure 40. World Machine Vision Controller Market Size by Processing Technology, (USD Million), 2021 & 2025 & 2032

Figure 41. World Machine Vision Controller Market Size Market Share by Processing Technology in 2025

Figure 42. Rule-Based Vision Controllers

Figure 43. Deep Learning Vision Controllers

Figure 44. Hybrid AI Vision Controllers

Figure 45. World Machine Vision Controller Market Size Market Share by Processing Technology (2021-2032)

Figure 46. World Machine Vision Controller Market Size by AI Processing Capability, (USD Million), 2021 & 2025 & 2032

Figure 47. World Machine Vision Controller Market Size Market Share by AI Processing Capability in 2025

Figure 48. Conventional Vision Controllers

Figure 49. AI-Enabled Vision Controllers

Figure 50. Deep Learning Vision Controllers

Figure 51. World Machine Vision Controller Market Size Market Share by AI Processing Capability (2021-2032)

Figure 52. World Machine Vision Controller Market Size by Application, (USD Million), 2021 & 2025 & 2032

Figure 53. World Machine Vision Controller Market Size Market Share by Application in 2025

Figure 54. Automotive

Figure 55. Electronics & Semiconductor

Figure 56. Food & Beverage

Figure 57. Pharmaceutical & Medical Devices

Figure 58. Logistics & Warehousing

Figure 59. Consumer Goods Manufacturing

Figure 60. Aerospace & Defense

Figure 61. World Machine Vision Controller Market Size Market Share by Application (2021-2032)

Figure 62. Machine Vision Controller Industrial Chain

Figure 63. Methodology

Figure 64. Research Process and Data Source

I would like to order

Product name: Global Machine Vision Controller Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GA10DE3ED58EEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GA10DE3ED58EEN.html>