

LAMEA 3D Machine Vision Market By Offering (Hardware and Software), By Product (PC Based and Smart Camera Based), By Application (Quality Assurance & Inspection, Positioning & Guidance, Measurement and Identification), By Industry Vertical (Automotive, Postal & Logistics, Electronics & Semiconductor, Printing & Labeling, Pulp & Paper, Food & Beverage, Pharmaceuticals & Chemicals and Others), By Country, Industry Analysis and Forecast, 2020 - 2026

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# **Abstracts**

The Latin America, Middle East and Africa 3D Machine Vision Market would witness market growth of 19.8% CAGR during the forecast period (2020-2026). Industrial machine vision systems are considered a more robust technology that demands high stability, accuracy, and reliability as compared to those systems that are used in institutional or educational applications. The cost of these systems is also less than other systems that are used in military, defense, aerospace, and other government applications. All these factors are likely to result in greater adaptability of such technologies in the industrial sectors. Additionally, the robotic vision systems used increasingly adopted in the industries thereby it is strengthening the overall market. The application-oriented machine vision system's demand is rising, it is also increasing the adoption of the technology in the coming years. 3D machine vision (MV) systems include the computer's ability to observe, inspect, and scrutinize the overall performance of the work by employing video cameras, analog to digital conversion and digital signal processing. Captured data from the camera is then transferred to the



computer system to analyse and give the desired output. The technology is attaining a considerable attraction in automotive, pharmaceutical, food and packaging, and other industrial verticals due to the capabilities of improved detection of objects, monitoring tolerance, enhanced analysis, and accurate component measuring. Therefore, these factors are likely to boost the market growth globally over the forecast period. Though efficient system operators are lacking due to insufficient training and it has become a restraining factor that is probably hindering the growth of the market.

Based on Offering, the market is segmented into Hardware and Software. Based on Product, the market is segmented into PC Based and Smart Camera Based. Based on Application, the market is segmented into Quality Assurance & Inspection, Positioning & Guidance, Measurement and Identification. Based on Industry Vertical, the market is segmented into Automotive, Postal & Logistics, Electronics & Semiconductor, Printing & Labeling, Pulp & Paper, Food & Beverage, Pharmaceuticals & Chemicals and Others. Based on countries, the market is segmented into Brazil, Argentina, UAE, Saudi Arabia, South Africa, Nigeria, and Rest of LAMEA.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include Keyence Corporation, Cognex Corporation, Basler AG, Sick AG, Omron Corporation, National Instruments Corporation, ISRA Vision AG (Atlas Copco), Stemmer Imaging AG (SI Holding GmbH), TKH Group NV and Tordivel AS.

Scope of the Study

Market Segmentation:

By Offering

Hardware

Software

By Product

PC Based



#### Smart Camera Based

#### By Application

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

#### By Industry Vertical

- Automotive
- **Postal & Logistics**
- Electronics & Semiconductor
- Printing & Labeling
- Pulp & Paper
- Food & Beverage
- Pharmaceuticals & Chemicals
- Others

### By Country

Brazil

Argentina



UAE

Saudi Arabia

South Africa

Nigeria

Rest of LAMEA

**Companies Profiled** 

**Keyence Corporation** 

**Cognex Corporation** 

Basler AG

Sick AG

**Omron Corporation** 

National Instruments Corporation

ISRA Vision AG (Atlas Copco)

Stemmer Imaging AG (SI Holding GmbH)

TKH Group NV

Tordivel AS

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# Contents

# CHAPTER 1. MARKET SCOPE & METHODOLOGY

1.1 Market Definition

1.2 Objectives

1.3 Market Scope

1.4 Segmentation

1.4.1 Latin America, Middle East and Africa (LAMEA) 3D Machine Vision Market, by Offering

1.4.2 Latin America, Middle East and Africa (LAMEA) 3D Machine Vision Market, by Product

1.4.3 Latin America, Middle East and Africa (LAMEA) 3D Machine Vision Market, by Application

1.4.4 Latin America, Middle East and Africa (LAMEA) 3D Machine Vision Market, by Industry Vertical

1.4.5 Latin America, Middle East and Africa (LAMEA) 3D Machine Vision Market, by Country

1.5 Methodology for the research

### **CHAPTER 2. MARKET OVERVIEW**

2.1 Introduction

2.1.1 Overview

- 2.1.2 Executive Summary
- 2.1.3 Market Composition and Scenario
- 2.2 Key Factors Impacting the Market
  - 2.2.1 Market Drivers
  - 2.2.2 Market Restraints

### **CHAPTER 3. COMPETITION ANALYSIS - GLOBAL**

- 3.1 KBV Cardinal Matrix
- 3.2 Recent Industry Wide Strategic Developments
- 3.2.1 Partnerships, Collaborations and Agreements
- 3.2.2 Product Launches and Product Expansions
- 3.2.3 Mergers & Acquisitions
- 3.3 Top Winning Strategies
  - 3.3.1 Key Leading Strategies: Percentage Distribution (2016-2020)



3.3.2 Key Strategic Move: (Product Launches and Product Expansions: 2017, Jul – 2020, Aug) Leading Players

3.3.3 Key Strategic Move: (Acquisition and Mergers: 2016, Aug – 2019, Oct) Leading Players

## CHAPTER 4. LAMEA 3D MACHINE VISION MARKET BY OFFERING

- 4.1 LAMEA 3D Machine Vision Hardware Market by Country
- 4.2 LAMEA 3D Machine Vision Software Market by Country

## CHAPTER 5. LAMEA 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL

5.1 LAMEA Automotive 3D Machine Vision Market by Country
5.2 LAMEA Postal & Logistics 3D Machine Vision Market by Country
5.3 LAMEA Electronics & Semiconductor 3D Machine Vision Market by Country
5.4 LAMEA Printing & Labeling 3D Machine Vision Market by Country
5.5 LAMEA Pulp & Paper 3D Machine Vision Market by Country
5.6 LAMEA Food & Beverage 3D Machine Vision Market by Country
5.7 LAMEA Pharmaceuticals & Chemicals 3D Machine Vision Market by Country
5.8 LAMEA Other Industry Vertical 3D Machine Vision Market by Country

# CHAPTER 6. LAMEA 3D MACHINE VISION MARKET BY PRODUCT

- 6.1 LAMEA PC Based 3D Machine Vision Market by Country
- 6.2 LAMEA Smart Camera Based 3D Machine Vision Market by Country

# CHAPTER 7. LAMEA 3D MACHINE VISION MARKET BY APPLICATION

- 7.1 LAMEA Quality Assurance & Inspection 3D Machine Vision Market by Country
- 7.2 LAMEA Positioning & Guidance 3D Machine Vision Market by Country
- 7.3 LAMEA Measurement 3D Machine Vision Market by Country
- 7.4 LAMEA Identification 3D Machine Vision Market by Country

# CHAPTER 8. LAMEA 3D MACHINE VISION MARKET BY COUNTRY

- 8.1 Brazil 3D Machine Vision Market
  - 8.1.1 Brazil 3D Machine Vision Market by Offering
  - 8.1.2 Brazil 3D Machine Vision Market by Industry Vertical
  - 8.1.3 Brazil 3D Machine Vision Market by Product

LAMEA 3D Machine Vision Market By Offering (Hardware and Software), By Product (PC Based and Smart Camera Base...



8.1.4 Brazil 3D Machine Vision Market by Application 8.2 Argentina 3D Machine Vision Market 8.2.1 Argentina 3D Machine Vision Market by Offering 8.2.2 Argentina 3D Machine Vision Market by Industry Vertical 8.2.3 Argentina 3D Machine Vision Market by Product 8.2.4 Argentina 3D Machine Vision Market by Application 8.3 UAE 3D Machine Vision Market 8.3.1 UAE 3D Machine Vision Market by Offering 8.3.2 UAE 3D Machine Vision Market by Industry Vertical 8.3.3 UAE 3D Machine Vision Market by Product 8.3.4 UAE 3D Machine Vision Market by Application 8.4 Saudi Arabia 3D Machine Vision Market 8.4.1 Saudi Arabia 3D Machine Vision Market by Offering 8.4.2 Saudi Arabia 3D Machine Vision Market by Industry Vertical 8.4.3 Saudi Arabia 3D Machine Vision Market by Product 8.4.4 Saudi Arabia 3D Machine Vision Market by Application 8.5 South Africa 3D Machine Vision Market 8.5.1 South Africa 3D Machine Vision Market by Offering 8.5.2 South Africa 3D Machine Vision Market by Industry Vertical 8.5.3 South Africa 3D Machine Vision Market by Product 8.5.4 South Africa 3D Machine Vision Market by Application 8.6 Nigeria 3D Machine Vision Market 8.6.1 Nigeria 3D Machine Vision Market by Offering 8.6.2 Nigeria 3D Machine Vision Market by Industry Vertical 8.6.3 Nigeria 3D Machine Vision Market by Product 8.6.4 Nigeria 3D Machine Vision Market by Application 8.7 Rest of LAMEA 3D Machine Vision Market 8.7.1 Rest of LAMEA 3D Machine Vision Market by Offering 8.7.2 Rest of LAMEA 3D Machine Vision Market by Industry Vertical 8.7.3 Rest of LAMEA 3D Machine Vision Market by Product 8.7.4 Rest of LAMEA 3D Machine Vision Market by Application

### **CHAPTER 9. COMPANY PROFILES**

- 9.1 Keyence Corporation
  - 9.1.1 Company Overview
  - 9.1.2 Financial Analysis
  - 9.1.3 Regional Analysis
  - 9.1.4 Research & Development Expenses



- 9.1.5 Recent strategies and developments:
- 9.1.5.1 Product Launches and Product Expansions:
- 9.1.6 SWOT Analysis
- 9.2 Cognex Corporation
  - 9.2.1 Company Overview
  - 9.2.2 Financial Analysis
  - 9.2.3 Regional Analysis
  - 9.2.4 Research & Development Expenses
  - 9.2.1 Recent strategies and developments:
  - 9.2.1.1 Product Launches and Product Expansions:
  - 9.2.1.2 Acquisition and Mergers:
- 9.3 Basler AG
  - 9.3.1 Company Overview
  - 9.3.2 Financial Analysis
  - 9.3.3 Regional Analysis
  - 9.3.4 Research & Development Expenses
  - 9.3.5 Recent strategies and developments:
    - 9.3.5.1 Partnerships, Collaborations, and Agreements:
    - 9.3.5.2 Product Launches and Product Expansions:
- 9.4 Sick AG
  - 9.4.1 Company Overview
  - 9.4.2 Financial Analysis
  - 9.4.3 Regional Analysis
  - 9.4.4 Research & Development Expense
  - 9.4.5 Recent strategies and developments:
  - 9.4.5.1 Product Launches and Product Expansions:
  - 9.4.6 SWOT Analysis
- 9.5 Omron Corporation
  - 9.5.1 Company Overview
  - 9.5.2 Financial Analysis
  - 9.5.3 Segmental and Regional Analysis
  - 9.5.4 Research & Development Expense
  - 9.5.5 Recent strategies and developments:
    - 9.5.5.1 Product Launches and Product Expansions:
  - 9.5.5.2 Acquisition and Mergers:
  - 9.5.6 SWOT Analysis
- 9.6 National Instruments Corporation
  - 9.6.1 Company Overview
  - 9.6.2 Financial Analysis



- 9.6.3 Regional Analysis
- 9.6.4 Research & Development Expense
- 9.7 ISRA Vision AG (Atlas Copco)
  - 9.7.1 Company Overview
  - 9.7.2 Financial Analysis
  - 9.7.3 Segmental and Regional Analysis
  - 9.7.4 Research & Development Expense
  - 9.7.5 Recent strategies and developments:
  - 9.7.5.1 Product Launches and Product Expansions:
  - 9.7.5.2 Acquisition and Mergers:
- 9.8 Stemmer Imaging AG (SI Holding GmbH)
  - 9.8.1 Company Overview
  - 9.8.2 Recent strategies and developments:
  - 9.8.2.1 Partnerships, Collaborations, and Agreements:
  - 9.8.2.2 Product Launches and Product Expansions:
  - 9.8.2.3 Acquisition and Mergers:
- 9.9 TKH Group NV
  - 9.9.1 Company Overview
  - 9.9.2 Financial Analysis
  - 9.9.3 Segmental and Regional Analysis
  - 9.9.4 Research & Development Expense
  - 9.9.5 Recent strategies and developments:
    - 9.9.5.1 Acquisition and Mergers:
- 9.10. Tordivel AS
  - 9.10.1 Company Overview





# **List Of Tables**

#### LIST OF TABLES

TABLE 1 LAMEA 3D MACHINE VISION MARKET, 2016 - 2019, USD MILLION TABLE 2 LAMEA 3D MACHINE VISION MARKET, 2020 - 2026, USD MILLION TABLE 3 PARTNERSHIPS, COLLABORATIONS AND AGREEMENTS- 3D MACHINE **VISION MARKET** TABLE 4 PRODUCT LAUNCHES AND PRODUCT EXPANSIONS- 3D MACHINE **VISION MARKET** TABLE 5 MERGERS & ACQUISITIONS – 3D MACHINE VISION MARKET TABLE 6 LAMEA 3D MACHINE VISION MARKET BY OFFERING, 2016 - 2019, USD MILLION TABLE 7 LAMEA 3D MACHINE VISION MARKET BY OFFERING, 2020 - 2026, USD MILLION TABLE 8 LAMEA 3D MACHINE VISION HARDWARE MARKET BY COUNTRY, 2016 -2019, USD MILLION TABLE 9 LAMEA 3D MACHINE VISION HARDWARE MARKET BY COUNTRY, 2020 -2026, USD MILLION TABLE 10 LAMEA 3D MACHINE VISION SOFTWARE MARKET BY COUNTRY, 2016 -2019, USD MILLION TABLE 11 LAMEA 3D MACHINE VISION SOFTWARE MARKET BY COUNTRY, 2020 -2026, USD MILLION TABLE 12 LAMEA 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL. 2016 -2019, USD MILLION TABLE 13 LAMEA 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL, 2020 -2026. USD MILLION TABLE 14 LAMEA AUTOMOTIVE 3D MACHINE VISION MARKET BY COUNTRY, 2016 - 2019, USD MILLION TABLE 15 LAMEA AUTOMOTIVE 3D MACHINE VISION MARKET BY COUNTRY, 2020 - 2026, USD MILLION TABLE 16 LAMEA POSTAL & LOGISTICS 3D MACHINE VISION MARKET BY COUNTRY, 2016 - 2019, USD MILLION TABLE 17 LAMEA POSTAL & LOGISTICS 3D MACHINE VISION MARKET BY COUNTRY, 2020 - 2026, USD MILLION TABLE 18 LAMEA ELECTRONICS & SEMICONDUCTOR 3D MACHINE VISION MARKET BY COUNTRY, 2016 - 2019, USD MILLION TABLE 19 LAMEA ELECTRONICS & SEMICONDUCTOR 3D MACHINE VISION MARKET BY COUNTRY, 2020 - 2026, USD MILLION



TABLE 20 LAMEA PRINTING & LABELING 3D MACHINE VISION MARKET BY COUNTRY, 2016 - 2019, USD MILLION TABLE 21 LAMEA PRINTING & LABELING 3D MACHINE VISION MARKET BY COUNTRY, 2020 - 2026, USD MILLION TABLE 22 LAMEA PULP & PAPER 3D MACHINE VISION MARKET BY COUNTRY, 2016 - 2019, USD MILLION TABLE 23 LAMEA PULP & PAPER 3D MACHINE VISION MARKET BY COUNTRY, 2020 - 2026, USD MILLION TABLE 24 LAMEA FOOD & BEVERAGE 3D MACHINE VISION MARKET BY COUNTRY, 2016 - 2019, USD MILLION TABLE 25 LAMEA FOOD & BEVERAGE 3D MACHINE VISION MARKET BY COUNTRY, 2020 - 2026, USD MILLION TABLE 26 LAMEA PHARMACEUTICALS & CHEMICALS 3D MACHINE VISION MARKET BY COUNTRY, 2016 - 2019, USD MILLION TABLE 27 LAMEA PHARMACEUTICALS & CHEMICALS 3D MACHINE VISION MARKET BY COUNTRY, 2020 - 2026, USD MILLION TABLE 28 LAMEA OTHER INDUSTRY VERTICAL 3D MACHINE VISION MARKET BY COUNTRY, 2016 - 2019, USD MILLION TABLE 29 LAMEA OTHER INDUSTRY VERTICAL 3D MACHINE VISION MARKET BY COUNTRY, 2020 - 2026, USD MILLION TABLE 30 LAMEA 3D MACHINE VISION MARKET BY PRODUCT, 2016 - 2019, USD MILLION TABLE 31 LAMEA 3D MACHINE VISION MARKET BY PRODUCT, 2020 - 2026, USD MILLION TABLE 32 LAMEA PC BASED 3D MACHINE VISION MARKET BY COUNTRY, 2016 -2019, USD MILLION TABLE 33 LAMEA PC BASED 3D MACHINE VISION MARKET BY COUNTRY, 2020 -2026, USD MILLION TABLE 34 LAMEA SMART CAMERA BASED 3D MACHINE VISION MARKET BY COUNTRY, 2016 - 2019, USD MILLION TABLE 35 LAMEA SMART CAMERA BASED 3D MACHINE VISION MARKET BY COUNTRY, 2020 - 2026, USD MILLION TABLE 36 LAMEA 3D MACHINE VISION MARKET BY APPLICATION, 2016 - 2019, USD MILLION TABLE 37 LAMEA 3D MACHINE VISION MARKET BY APPLICATION, 2020 - 2026, USD MILLION TABLE 38 LAMEA QUALITY ASSURANCE & INSPECTION 3D MACHINE VISION MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 39 LAMEA QUALITY ASSURANCE & INSPECTION 3D MACHINE VISION



MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 40 LAMEA POSITIONING & GUIDANCE 3D MACHINE VISION MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 41 LAMEA POSITIONING & GUIDANCE 3D MACHINE VISION MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 42 LAMEA MEASUREMENT 3D MACHINE VISION MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 43 LAMEA MEASUREMENT 3D MACHINE VISION MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 44 LAMEA IDENTIFICATION 3D MACHINE VISION MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 45 LAMEA IDENTIFICATION 3D MACHINE VISION MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 46 LAMEA 3D MACHINE VISION MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 47 LAMEA 3D MACHINE VISION MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 48 BRAZIL 3D MACHINE VISION MARKET, 2016 - 2019, USD MILLION

TABLE 49 BRAZIL 3D MACHINE VISION MARKET, 2020 - 2026, USD MILLION

TABLE 50 BRAZIL 3D MACHINE VISION MARKET BY OFFERING, 2016 - 2019, USD MILLION

TABLE 51 BRAZIL 3D MACHINE VISION MARKET BY OFFERING, 2020 - 2026, USD MILLION

TABLE 52 BRAZIL 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL, 2016 - 2019, USD MILLION

TABLE 53 BRAZIL 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL, 2020 - 2026, USD MILLION

TABLE 54 BRAZIL 3D MACHINE VISION MARKET BY PRODUCT, 2016 - 2019, USD MILLION

TABLE 55 BRAZIL 3D MACHINE VISION MARKET BY PRODUCT, 2020 - 2026, USD MILLION

TABLE 56 BRAZIL 3D MACHINE VISION MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 57 BRAZIL 3D MACHINE VISION MARKET BY APPLICATION, 2020 - 2026, USD MILLION

TABLE 58 ARGENTINA 3D MACHINE VISION MARKET, 2016 - 2019, USD MILLION TABLE 59 ARGENTINA 3D MACHINE VISION MARKET, 2020 - 2026, USD MILLION TABLE 60 ARGENTINA 3D MACHINE VISION MARKET BY OFFERING, 2016 - 2019, USD MILLION



TABLE 61 ARGENTINA 3D MACHINE VISION MARKET BY OFFERING, 2020 - 2026, USD MILLION

TABLE 62 ARGENTINA 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL, 2016 - 2019, USD MILLION

TABLE 63 ARGENTINA 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL, 2020 - 2026, USD MILLION

TABLE 64 ARGENTINA 3D MACHINE VISION MARKET BY PRODUCT, 2016 - 2019, USD MILLION

TABLE 65 ARGENTINA 3D MACHINE VISION MARKET BY PRODUCT, 2020 - 2026, USD MILLION

TABLE 66 ARGENTINA 3D MACHINE VISION MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 67 ARGENTINA 3D MACHINE VISION MARKET BY APPLICATION, 2020 - 2026, USD MILLION

TABLE 68 UAE 3D MACHINE VISION MARKET, 2016 - 2019, USD MILLIONTABLE 69 UAE 3D MACHINE VISION MARKET, 2020 - 2026, USD MILLION

TABLE 70 UAE 3D MACHINE VISION MARKET BY OFFERING, 2016 - 2019, USD MILLION

TABLE 71 UAE 3D MACHINE VISION MARKET BY OFFERING, 2020 - 2026, USD MILLION

TABLE 72 UAE 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL, 2016 - 2019, USD MILLION

TABLE 73 UAE 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL, 2020 - 2026, USD MILLION

TABLE 74 UAE 3D MACHINE VISION MARKET BY PRODUCT, 2016 - 2019, USD MILLION

TABLE 75 UAE 3D MACHINE VISION MARKET BY PRODUCT, 2020 - 2026, USD MILLION

TABLE 76 UAE 3D MACHINE VISION MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 77 UAE 3D MACHINE VISION MARKET BY APPLICATION, 2020 - 2026, USD MILLION

TABLE 78 SAUDI ARABIA 3D MACHINE VISION MARKET, 2016 - 2019, USD MILLION

TABLE 79 SAUDI ARABIA 3D MACHINE VISION MARKET, 2020 - 2026, USD MILLION

TABLE 80 SAUDI ARABIA 3D MACHINE VISION MARKET BY OFFERING, 2016 - 2019, USD MILLION

TABLE 81 SAUDI ARABIA 3D MACHINE VISION MARKET BY OFFERING, 2020 -



2026, USD MILLION

TABLE 82 SAUDI ARABIA 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL, 2016 - 2019, USD MILLION

TABLE 83 SAUDI ARABIA 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL, 2020 - 2026, USD MILLION

TABLE 84 SAUDI ARABIA 3D MACHINE VISION MARKET BY PRODUCT, 2016 - 2019, USD MILLION

TABLE 85 SAUDI ARABIA 3D MACHINE VISION MARKET BY PRODUCT, 2020 - 2026, USD MILLION

TABLE 86 SAUDI ARABIA 3D MACHINE VISION MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 87 SAUDI ARABIA 3D MACHINE VISION MARKET BY APPLICATION, 2020 - 2026, USD MILLION

TABLE 88 SOUTH AFRICA 3D MACHINE VISION MARKET, 2016 - 2019, USD MILLION

TABLE 89 SOUTH AFRICA 3D MACHINE VISION MARKET, 2020 - 2026, USD MILLION

TABLE 90 SOUTH AFRICA 3D MACHINE VISION MARKET BY OFFERING, 2016 - 2019, USD MILLION

TABLE 91 SOUTH AFRICA 3D MACHINE VISION MARKET BY OFFERING, 2020 - 2026, USD MILLION

TABLE 92 SOUTH AFRICA 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL, 2016 - 2019, USD MILLION

TABLE 93 SOUTH AFRICA 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL, 2020 - 2026, USD MILLION

TABLE 94 SOUTH AFRICA 3D MACHINE VISION MARKET BY PRODUCT, 2016 - 2019, USD MILLION

TABLE 95 SOUTH AFRICA 3D MACHINE VISION MARKET BY PRODUCT, 2020 - 2026, USD MILLION

TABLE 96 SOUTH AFRICA 3D MACHINE VISION MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 97 SOUTH AFRICA 3D MACHINE VISION MARKET BY APPLICATION, 2020 - 2026, USD MILLION

TABLE 98 NIGERIA 3D MACHINE VISION MARKET, 2016 - 2019, USD MILLION TABLE 99 NIGERIA 3D MACHINE VISION MARKET, 2020 - 2026, USD MILLION TABLE 100 NIGERIA 3D MACHINE VISION MARKET BY OFFERING, 2016 - 2019, USD MILLION

TABLE 101 NIGERIA 3D MACHINE VISION MARKET BY OFFERING, 2020 - 2026, USD MILLION



TABLE 102 NIGERIA 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL. 2016 - 2019, USD MILLION TABLE 103 NIGERIA 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL, 2020 - 2026, USD MILLION TABLE 104 NIGERIA 3D MACHINE VISION MARKET BY PRODUCT, 2016 - 2019, **USD MILLION** TABLE 105 NIGERIA 3D MACHINE VISION MARKET BY PRODUCT, 2020 - 2026, USD MILLION TABLE 106 NIGERIA 3D MACHINE VISION MARKET BY APPLICATION, 2016 - 2019, USD MILLION TABLE 107 NIGERIA 3D MACHINE VISION MARKET BY APPLICATION, 2020 - 2026, **USD MILLION** TABLE 108 REST OF LAMEA 3D MACHINE VISION MARKET, 2016 - 2019, USD MILLION TABLE 109 REST OF LAMEA 3D MACHINE VISION MARKET, 2020 - 2026, USD MILLION TABLE 110 REST OF LAMEA 3D MACHINE VISION MARKET BY OFFERING, 2016 -2019, USD MILLION TABLE 111 REST OF LAMEA 3D MACHINE VISION MARKET BY OFFERING, 2020 -2026, USD MILLION TABLE 112 REST OF LAMEA 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL, 2016 - 2019, USD MILLION TABLE 113 REST OF LAMEA 3D MACHINE VISION MARKET BY INDUSTRY VERTICAL, 2020 - 2026, USD MILLION TABLE 114 REST OF LAMEA 3D MACHINE VISION MARKET BY PRODUCT, 2016 -2019, USD MILLION TABLE 115 REST OF LAMEA 3D MACHINE VISION MARKET BY PRODUCT, 2020 -2026, USD MILLION TABLE 116 REST OF LAMEA 3D MACHINE VISION MARKET BY APPLICATION. 2016 - 2019, USD MILLION TABLE 117 REST OF LAMEA 3D MACHINE VISION MARKET BY APPLICATION. 2020 - 2026, USD MILLION TABLE 118 KEY INFORMATION – KEYENCE CORPORATION TABLE 119 KEY INFORMATION – COGNEX CORPORATION TABLE 120 KEY INFORMATION - BASLER AG TABLE 121 KEY INFORMATION – SICK AG TABLE 122 KEY INFORMATION – OMRON CORPORATION TABLE 123 KEY INFORMATION – NATIONAL INSTRUMENTS CORPORATION TABLE 124 KEY INFORMATION – ISRA VISION AG



TABLE 125 KEY INFORMATION – STEMMER IMAGING AG TABLE 126 KEY INFORMATION – TKH GROUP NV TABLE 127 KEY INFORMATION – TORDIVEL AS



# **List Of Figures**

## **LIST OF FIGURES**

FIG 1 METHODOLOGY FOR THE RESEARCH FIG 2 KBV CARDINAL MATRIX FIG 3 KEY LEADING STRATEGIES: PERCENTAGE DISTRIBUTION (2016-2020) FIG 4 KEY STRATEGIC MOVE: (PRODUCT LAUNCHES AND PRODUCT EXPANSIONS: 2017, JUL – 2020, AUG) LEADING PLAYERS FIG 5 KEY STRATEGIC MOVE: (ACQUISITION AND MERGERS: 2016, AUG – 2019, OCT) LEADING PLAYERS FIG 6 SWOT ANALYSIS: KEYENCE CORPORATION FIG 7 RECENT STRATEGIES AND DEVELOPMENTS: COGNEX CORPORATION FIG 8 RECENT STRATEGIES AND DEVELOPMENTS: BASLER AG FIG 9 SWOT ANALYSIS: SICK AG FIG 10 RECENT STRATEGIES AND DEVELOPMENTS: OMRON CORPORATION FIG 11 SWOT ANALYSIS: OMRON CORPORATION FIG 12 RECENT STRATEGIES AND DEVELOPMENTS: ISRA VISION AG FIG 13 RECENT STRATEGIES AND DEVELOPMENTS: STEMMER IMAGING AG



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