

Machine Automation Controller Market by Controller Type (DCS, PLC, Industrial PC), Form Factor (IP65, IP20), Industry (Oil & Gas, Energy & Power, Food & Beverages, Chemicals, Automotive), and Geography - Global Forecast to 2024

<https://marketpublishers.com/r/M2272166D25EN.html>

Date: May 2019

Pages: 172

Price: US\$ 5,650.00 (Single User License)

ID: M2272166D25EN

Abstracts

“Machine automation controller market to exhibit stable growth during 2019 and 2024”

The machine automation controller market is estimated to grow from USD 33.7 billion by 2019 to USD 41.5 billion by 2024, at a CAGR of 4.3% during 2019–2024. The key factors driving the growth of the market include the increasing focus on reducing the overall operational costs, the need to drive productivity in manufacturing industries, and growing use of robots & robotics in the manufacturing sector. However, high initial capital investment for SMEs and difficulty in finding system failure results in increasing the downtime, which in turn is expected to restrain the growth of the market.

“DCS to witness high growth potential during the forecast period”

The market for DCS is expected to grow at a higher CAGR from 2019 to 2024. Reduced downtime and improved production using optimal resources have resulted in driving the demand for DCS. DCS helps plant operators in improving the effectiveness in operations, optimizing maintenance routines at the plant, and ensuring safety & reliability.

“Energy & power to witness the highest growth rate during the forecast period”

The machine automation controller market for the energy & power industry is expected to grow at the highest CAGR from 2019 to 2024. Increasing energy requirement with the

growing population has resulted in the modernization of grids where old grid equipment is being replaced with advanced setups that consist of smart grids, automated substation, and smart meters, among others. The increasing adoption of smart & automated technologies in power distribution is opening new market growth avenues for machine automation controllers.

“APAC to be the largest market for machine automation controllers during the forecast period”

APAC is expected to lead the machine automation controller market, in terms of size, between 2019 and 2024. Factors such as the establishment of manufacturing units of various industries including automotive, chemicals, food & beverages, and semiconductor & electronics; the increasing need to upgrade legacy automation systems; and rising labor rates are driving the growth of the machine automation controller market in the region. The countries such as China, Japan, and South Korea are leading the growth of machine automation market in the geography.

Break-up of the profile of primary participants for the report is given below:

By Company Type – Tier 1 – 50%, Tier 2 – 30% and Tier 3 – 20%

By Designation – C level – 30%, Director level – 45%, Manager level – 25%

By Region – North America - 42%, Europe – 32%, APAC – 21%, RoW – 5%

The key players in the market include Yokogawa (Japan), ABB (Switzerland), Siemens (Germany), Schneider Electric (France), Emerson (US), Advantech (Taiwan), Honeywell (US), Delta Electronics (Taiwan), Mitsubishi Electric (Japan), Rockwell Automation (US), Omron (Japan), Robert Bosch (Germany), Beckhoff Automation (Germany), Kontron (Germany) and Kollmorgen (US).

The global machine automation controller market has been segmented based on controller type, form factor, industry, and region. The market based on controller type has been segmented into distributed control system (DCS), programmable logic controller (PLC), and industrial PC. Based on the form factor, the machine automation controller market has been split into IP65, IP20, and Others. The industries that are included in the study of machine automation controller market include oil & gas, energy & power, food & beverages, chemicals, pharmaceuticals, metals and mining, pulp and

paper, automotive, aerospace & defense, semiconductor & electronics, medical devices, and others. The machine automation controller market has been segmented into four regions, namely, North America, Europe, Asia Pacific (APAC), and Rest of the World (RoW).

Reasons to buy the report:

Illustrative segmentation, analysis, and forecast for markets based on controller type, form factor, industry, and region have been conducted to give an overall view of the machine automation controller market.

The value chain analysis has been performed to provide an in-depth insight into the machine automation controller market.

Major drivers, restraints, opportunities, and challenges for the machine automation controller market have been detailed in this report.

The report includes a detailed competitive landscape along with key players, in-depth analysis, and revenue of key players.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 DEFINITION

1.3 STUDY SCOPE

1.3.1 MARKET COVERED

1.3.2 YEARS CONSIDERED

1.4 CURRENCY

1.5 LIMITATIONS

1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

2.1.1 SECONDARY DATA

2.1.1.1 Major secondary sources

2.1.1.2 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Primary interviews with experts

2.1.2.2 Key data from primary sources

2.1.3 SECONDARY AND PRIMARY RESEARCH

2.1.3.1 Key industry insights

2.1.3.2 Breakdown of primaries

2.2 MARKET SIZE ESTIMATION

2.2.1 BOTTOM-UP APPROACH

2.2.1.1 Approach for arriving at market size by bottom-up analysis
(demand side)

2.2.2 TOP-DOWN APPROACH

2.2.2.1 Approach for arriving at market size by top-down analysis
(supply side)

2.3 MARKET BREAKDOWN AND DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR MACHINE AUTOMATION CONTROLLER MARKET

4.2 MACHINE AUTOMATION CONTROLLER MARKET, BY CONTROLLER TYPE

4.3 MACHINE AUTOMATION CONTROLLER MARKET, BY FORM FACTOR

4.4 MACHINE AUTOMATION CONTROLLER MARKET, BY INDUSTRY & REGION

4.5 MACHINE AUTOMATION CONTROLLER MARKET, BY GEOGRAPHY

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Rising focus on reducing overall operational cost

5.2.1.2 Increasing need to drive productivity in process industry

5.2.1.3 Growing use of robots in manufacturing sector

5.2.2 RESTRAINTS

5.2.2.1 High initial capital investment for SMEs

5.2.2.2 Difficulty in finding system failure results in increased downtime

5.2.3 OPPORTUNITIES

5.2.3.1 Emergence of Industrial Internet of Things (IIoT)

5.2.3.2 Demand for improved worker safety

5.2.4 CHALLENGES

5.2.4.1 Increasing cybersecurity threats

5.2.4.2 Rising digital skill gap in workforce

5.3 VALUE CHAIN ANALYSIS

6 FUNCTIONS OF MACHINE AUTOMATION CONTROLLERS

6.1 INTRODUCTION

6.2 LOGIC HANDLING

6.2.1 NEED FOR MORE INTELLIGENT CONTROLLERS FUELS DEMAND FOR LOGIC HANDLING FUNCTIONALITY

6.3 MOTION CONTROL

6.3.1 MOTION CONTROL EMERGED AS MOST BASIC FUNCTIONALITY OF MACHINE AUTOMATION CONTROLLER

6.4 NETWORK SAFETY

6.4.1 RISING SECURITY THREAT MAKES NETWORK SAFETY FUNCTION A NECESSITY FOR MACHINE AUTOMATION CONTROLLERS

6.5 MACHINE MONITORING

6.5.1 GROWING AWARENESS TOWARD PREVENTIVE MAINTENANCE MAKES MACHINE MONITORING AN IMPORTANT FUNCTION

6.6 DATA HANDLING

6.6.1 CAPABILITY TO HANDLE LARGE AMOUNT OF DATA IS AN IMPORTANT FUNCTIONALITY OF MODERN MACHINE AUTOMATION CONTROLLERS

6.7 COMMUNICATION

6.7.1 DEMAND FOR BETTER CONNECTIVITY AMONG AUTOMATION SYSTEMS DRIVES NEED FOR COMMUNICATION

7 TYPES OF MACHINE AUTOMATION CONTROLLERS

7.1 INTRODUCTION

7.2 MODULAR

7.2.1 GROWING DEMAND FOR SCALABLE AUTOMATION CONTROL SOLUTIONS DRIVES DEMAND FOR MODULAR CONTROLLERS

7.2.1.1 Advantages of modular machine automation controller

7.2.1.2 Disadvantages of modular machine automation controller

7.3 COMPACT

7.3.1 SMALL PROCESS AND MANUFACTURING FACILITIES WITH BASIC AUTOMATION NEEDS BOOST DEMAND FOR COMPACT CONTROLLERS

7.3.1.1 Advantages of compact machine automation controller

7.3.1.2 Disadvantages of compact machine automation controller

8 MACHINE AUTOMATION CONTROLLER MARKET, BY CONTROLLER TYPE

8.1 INTRODUCTION

8.2 DISTRIBUTED CONTROL SYSTEM (DCS)

8.2.1 INCREASING DEMAND FOR CENTRALIZED CONTROL BOOSTING DEMAND FOR DCS

8.3 PROGRAMMABLE LOGIC CONTROLLER (PLC)

8.3.1 NEED FOR EFFICIENT, SAFE, AND RELIABLE EXECUTION OF PLANT OPERATIONS DRIVES DEMAND FOR PLC

8.4 INDUSTRIAL PC

8.4.1 GROWING DEMAND FOR CONTROLLERS WITH HIGH PROCESSING POWER FUELS DEMAND FOR INDUSTRIAL PC

9 MACHINE AUTOMATION CONTROLLER MARKET, BY FORM FACTOR

9.1 INTRODUCTION

9.2 IP65

9.2.1 DEMANDING INDUSTRIAL ENVIRONMENTS PROPEL NEED FOR IP65-RATED MACHINE AUTOMATION CONTROLLERS

9.3 IP20

9.3.1 RAISING INDUSTRY STANDARDS DRIVE MARKET FOR IP20-RATED MACHINE AUTOMATION CONTROLLERS

9.4 OTHERS

9.4.1 NEED FOR AUTOMATION CONTROLLERS WITH DIFFERENT INGRESS PROTECTION AS PER CUSTOMER'S REQUIREMENT FUELS DEMAND FOR OTHER AUTOMATION CONTROLLERS

10 MACHINE AUTOMATION CONTROLLER MARKET, BY INDUSTRY

10.1 INTRODUCTION

10.2 PROCESS INDUSTRIES

10.2.1 OIL & GAS

10.2.1.1 Modernization of old processes to boost demand for automated systems in oil & gas industry

10.2.2 ENERGY & POWER

10.2.2.1 Smart grids open new market opportunities for machine automation controllers

10.2.3 FOOD & BEVERAGES

10.2.3.1 Need for higher productivity and strict regulations drives demand for automated systems in food & beverages industry

10.2.4 CHEMICALS

10.2.4.1 Increasing automation in chemicals industry drives demand for machine automation controllers

10.2.5 PHARMACEUTICALS

10.2.5.1 Growing digitization and automation of drug manufacturing contribute to growth of machine automation controller market

10.2.6 METALS & MINING

10.2.6.1 Rising safety concerns for workers fuel demand for automation in metals & mining industry

10.2.7 PULP & PAPER

10.2.7.1 Steady growth in demand for paper products to fuel market for machine automation controllers

10.2.8 OTHERS

10.2.8.1 Increasing need for usable water for drinking and industrial use contribute to growth of machine automation controller market

10.3 DISCRETE INDUSTRIES

10.3.1 AUTOMOTIVE

10.3.1.1 Increase in competition and need for more output at optimum cost fuel machine automation controller market

10.3.2 AEROSPACE & DEFENSE

10.3.2.1 Process optimization drives machine automation controller market in aerospace & defense industry

10.3.3 SEMICONDUCTOR & ELECTRONICS

10.3.3.1 Increasing need for high-quality electronic products boosts implementation of automation in semiconductor & electronics industry

10.3.4 MEDICAL DEVICES

10.3.4.1 Higher quality and strict regulatory demands drive medical device manufacturers toward automation

11 GEOGRAPHIC ANALYSIS

11.1 INTRODUCTION

11.2 NORTH AMERICA

11.2.1 US

11.2.1.1 Growing trend of automation in production facilities in US pharmaceuticals companies fuels demand for machine automation controllers

11.2.2 CANADA

11.2.2.1 Rising demand for automation in oil & gas to create growth opportunities for machine automation controllers

11.2.3 MEXICO

11.2.3.1 Modernization of power distribution grids boosts demand for machine automation controllers in Mexico

11.3 EUROPE

11.3.1 UK

11.3.1.1 Supportive initiatives by the UK government

11.3.2 FRANCE

11.3.2.1 Increasing adoption of automation by process industries in France

11.3.3 GERMANY

11.3.3.1 Highly automated industrial ecosystem makes Germany an attractive market for machine automation controllers

11.3.4 REST OF EUROPE

11.3.4.1 Expansion of manufacturing capabilities to drive machine automation controller market

11.4 APAC

11.4.1 CHINA

11.4.1.1 China is an attractive investment hub for machine automation controller market players

11.4.2 JAPAN

11.4.2.1 Positive outlook for implementation of automation technology makes Japan an ideal market for machine automation controllers

11.4.3 SOUTH KOREA

11.4.3.1 Presence of state-of-the-art automated manufacturing infrastructure to offer growth avenues for machine automation controller market

11.4.4 INDIA

11.4.4.1 Growing pharmaceutical industry in India to drive demand for machine automation controllers

11.4.5 REST OF APAC

11.4.5.1 Emerging Southeast Asian economies drive demand for machine automation controllers

11.5 ROW

11.5.1 LATIN AMERICA

11.5.1.1 Favorable government policies for manufacturing companies to drive demand for machine automation controllers

11.5.2 MIDDLE EAST

11.5.2.1 Growing aerospace industry in Middle East to boost machine automation controller market

11.5.3 AFRICA

11.5.3.1 Rising automotive and electronics manufacturing to drive machine automation controller market in Africa

12 COMPETITIVE LANDSCAPE

12.1 OVERVIEW

12.2 MARKET RANKING ANALYSIS FOR MACHINE AUTOMATION CONTROLLER MANUFACTURERS

12.3 COMPETITIVE LEADERSHIP MAPPING, 2018

12.3.1 VISIONARY LEADERS

12.3.2 DYNAMIC DIFFERENTIATORS

12.3.3 INNOVATORS

12.3.4 EMERGING COMPANIES

12.4 STRENGTH OF PRODUCT PORTFOLIO

12.5 BUSINESS STRATEGY EXCELLENCE

12.6 COMPETITIVE SITUATIONS AND TRENDS

- 12.6.1 PRODUCT LAUNCHES
- 12.6.2 CONTRACTS
- 12.6.3 ACQUISITIONS
- 12.6.4 AGREEMENTS, PARTNERSHIPS, AND JOINT VENTURES
- 12.6.5 EXPANSIONS

13 COMPANY PROFILES

(Business Overview, Products Offered, Recent Developments, SWOT Analysis, and MnM View)*

- 13.1 KEY PLAYERS
 - 13.1.1 ABB
 - 13.1.2 EMERSON
 - 13.1.3 SIEMENS
 - 13.1.4 SCHNEIDER ELECTRIC
 - 13.1.5 YOKOGAWA
 - 13.1.6 ADVANTECH
 - 13.1.7 DELTA ELECTRONICS
 - 13.1.8 HONEYWELL
 - 13.1.9 MITSUBISHI ELECTRIC
 - 13.1.10 OMRON
 - 13.1.11 ROCKWELL AUTOMATION
 - 13.1.12 ROBERT BOSCH
 - 13.1.13 BECKHOFF AUTOMATION
 - 13.1.14 KOLLMORGEN
 - 13.1.15 KONTRON
- 13.2 OTHER KEY PLAYERS
 - 13.2.1 ACS INDIA
 - 13.2.2 HOLLYSYS AUTOMATION
 - 13.2.3 IEI INTEGRATION
 - 13.2.4 LOGIC SUPPLY
 - 13.2.5 IEI INTEGRATION

*Details on Business Overview, Products Offered, Recent Developments, SWOT Analysis, and MnM View might not be captured in case of unlisted companies.

14 APPENDIX

- 14.1 INSIGHTS OF INDUSTRY EXPERTS
- 14.2 DISCUSSION GUIDE

14.3 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

14.4 AVAILABLE CUSTOMIZATIONS

14.5 RELATED REPORTS

14.6 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

TABLE 1 MACHINE AUTOMATION CONTROLLER MARKET, BY CONTROLLER TYPE, 2015–2024 (USD BILLION)

TABLE 2 MACHINE AUTOMATION CONTROLLER MARKET FOR DCS, BY PROCESS INDUSTRY, 2015–2024 (USD BILLION)

TABLE 3 MACHINE AUTOMATION CONTROLLER MARKET FOR DCS, BY REGION, 2015–2024 (USD BILLION)

TABLE 4 MACHINE AUTOMATION CONTROLLER MARKET FOR PLC, BY PROCESS INDUSTRY, 2015–2024 (USD BILLION)

TABLE 5 MACHINE AUTOMATION CONTROLLER MARKET FOR PLC, BY REGION, 2015–2024 (USD BILLION)

TABLE 6 MACHINE AUTOMATION CONTROLLER MARKET FOR INDUSTRIAL PC, BY PROCESS INDUSTRY, 2015–2024 (USD BILLION)

TABLE 7 MACHINE AUTOMATION CONTROLLER MARKET FOR INDUSTRIAL PC, BY DISCRETE INDUSTRY, 2015–2024 (USD BILLION)

TABLE 8 MACHINE AUTOMATION CONTROLLER MARKET FOR INDUSTRIAL PC, BY REGION, 2015–2024 (USD BILLION)

TABLE 9 MACHINE AUTOMATION CONTROLLER MARKET, BY FORM FACTOR, 2015–2024 (USD MILLION)

TABLE 10 MACHINE AUTOMATION CONTROLLER MARKET FOR IP65, BY INDUSTRY, 2015–2024 (USD MILLION)

TABLE 11 MACHINE AUTOMATION CONTROLLER MARKET FOR IP65, BY PROCESS INDUSTRY, 2015–2024 (USD MILLION)

TABLE 12 MACHINE AUTOMATION CONTROLLER MARKET FOR IP65, BY DISCRETE INDUSTRY, 2015–2024 (USD MILLION)

TABLE 13 MACHINE AUTOMATION CONTROLLER MARKET FOR IP20, BY INDUSTRY, 2015–2024 (USD MILLION)

TABLE 14 MACHINE AUTOMATION CONTROLLER MARKET FOR IP20, BY PROCESS INDUSTRY, 2015–2024 (USD MILLION)

TABLE 15 MACHINE AUTOMATION CONTROLLER MARKET FOR IP20, BY DISCRETE INDUSTRY, 2015–2024 (USD MILLION)

TABLE 16 MACHINE AUTOMATION CONTROLLER MARKET FOR OTHERS, BY INDUSTRY, 2015–2024 (USD MILLION)

TABLE 17 MACHINE AUTOMATION CONTROLLER MARKET FOR OTHERS, BY PROCESS INDUSTRY, 2015–2024 (USD MILLION)

TABLE 18 MACHINE AUTOMATION CONTROLLER MARKET FOR OTHERS, BY

DISCRETE INDUSTRY, 2015–2024 (USD MILLION)

TABLE 19 MACHINE AUTOMATION CONTROLLER MARKET, BY INDUSTRY, 2015–2024 (USD BILLION)

TABLE 20 MACHINE AUTOMATION CONTROLLER MARKET, BY PROCESS INDUSTRY, 2015–2024 (USD BILLION)

TABLE 21 MACHINE AUTOMATION CONTROLLER MARKET FOR PROCESS INDUSTRY, BY REGION, 2015–2024 (USD BILLION)

TABLE 22 MACHINE AUTOMATION CONTROLLER MARKET FOR OIL & GAS INDUSTRY, BY CONTROLLER TYPE, 2015–2024 (USD BILLION)

TABLE 23 MACHINE AUTOMATION CONTROLLER MARKET FOR OIL & GAS INDUSTRY, BY REGION, 2015–2024 (USD BILLION)

TABLE 24 MACHINE AUTOMATION CONTROLLER MARKET FOR ENERGY & POWER INDUSTRY, BY CONTROLLER TYPE, 2015–2024 (USD BILLION)

TABLE 25 MACHINE AUTOMATION CONTROLLER MARKET FOR ENERGY & POWER INDUSTRY, BY REGION, 2015–2024 (USD BILLION)

TABLE 26 MACHINE AUTOMATION CONTROLLER MARKET FOR FOOD & BEVERAGES INDUSTRY, BY CONTROLLER TYPE, 2015–2024 (USD BILLION)

TABLE 27 MACHINE AUTOMATION CONTROLLER MARKET FOR FOOD & BEVERAGES INDUSTRY, BY REGION, 2015–2024 (USD BILLION)

TABLE 28 MACHINE AUTOMATION CONTROLLER MARKET FOR CHEMICALS INDUSTRY, BY CONTROLLER TYPE, 2015–2024 (USD BILLION)

TABLE 29 MACHINE AUTOMATION CONTROLLER MARKET FOR CHEMICALS INDUSTRY, BY REGION, 2015–2024 (USD BILLION)

TABLE 30 MACHINE AUTOMATION CONTROLLER MARKET FOR PHARMACEUTICALS INDUSTRY, BY CONTROLLER TYPE, 2015–2024 (USD BILLION)

TABLE 31 MACHINE AUTOMATION CONTROLLER MARKET FOR PHARMACEUTICALS INDUSTRY, BY REGION, 2015–2024 (USD BILLION)

TABLE 32 MACHINE AUTOMATION CONTROLLER MARKET FOR METALS & MINING INDUSTRY, BY CONTROLLER TYPE, 2015–2024 (USD BILLION)

TABLE 33 MACHINE AUTOMATION CONTROLLER MARKET FOR METALS & MINING INDUSTRY, BY REGION, 2015–2024 (USD BILLION)

TABLE 34 MACHINE AUTOMATION CONTROLLER MARKET FOR PULP & PAPER INDUSTRY, BY CONTROLLER TYPE, 2015–2024 (USD BILLION)

TABLE 35 MACHINE AUTOMATION CONTROLLER MARKET FOR PULP & PAPER INDUSTRY, BY REGION, 2015–2024 (USD BILLION)

TABLE 36 MACHINE AUTOMATION CONTROLLER MARKET FOR OTHERS, BY CONTROLLER TYPE, 2015–2024 (USD BILLION)

TABLE 37 MACHINE AUTOMATION CONTROLLER MARKET FOR OTHERS, BY

REGION, 2015–2024 (USD BILLION)

TABLE 38 MACHINE AUTOMATION CONTROLLER MARKET, BY DISCRETE INDUSTRY, 2015–2024 (USD BILLION)

TABLE 39 MACHINE AUTOMATION CONTROLLER MARKET FOR DISCRETE INDUSTRY, BY REGION, 2015–2024 (USD BILLION)

TABLE 40 MACHINE AUTOMATION CONTROLLER MARKET FOR AUTOMOTIVE INDUSTRY, BY CONTROLLER TYPE, 2015–2024 (USD BILLION)

TABLE 41 MACHINE AUTOMATION CONTROLLER MARKET FOR AUTOMOTIVE INDUSTRY, BY REGION, 2015–2024 (USD BILLION)

TABLE 42 MACHINE AUTOMATION CONTROLLER MARKET FOR AEROSPACE & DEFENSE INDUSTRY, BY REGION, 2015–2024 (USD BILLION)

TABLE 43 MACHINE AUTOMATION CONTROLLER MARKET FOR SEMICONDUCTOR & ELECTRONICS INDUSTRY, BY REGION, 2015–2024 (USD BILLION)

TABLE 44 MACHINE AUTOMATION CONTROLLER MARKET FOR MEDICAL DEVICES INDUSTRY, BY REGION, 2015–2024 (USD BILLION)

TABLE 45 MACHINE AUTOMATION CONTROLLER MARKET, BY REGION, 2015–2024 (USD BILLION)

TABLE 46 MACHINE AUTOMATION CONTROLLER MARKET IN NORTH AMERICA, BY COUNTRY, 2015–2024 (USD BILLION)

TABLE 47 MACHINE AUTOMATION CONTROLLER MARKET IN NORTH AMERICA, BY PROCESS INDUSTRY, 2015–2024 (USD BILLION)

TABLE 48 MACHINE AUTOMATION CONTROLLER MARKET IN NORTH AMERICA, BY DISCRETE INDUSTRY, 2015–2024 (USD BILLION)

TABLE 49 MACHINE AUTOMATION CONTROLLER MARKET IN NORTH AMERICA, BY CONTROLLER TYPE, 2015–2024 (USD BILLION)

TABLE 50 MACHINE AUTOMATION CONTROLLER MARKET IN EUROPE, BY COUNTRY, 2015–2024 (USD BILLION)

TABLE 51 MACHINE AUTOMATION CONTROLLER MARKET IN EUROPE, BY PROCESS INDUSTRY, 2015–2024 (USD BILLION)

TABLE 52 MACHINE AUTOMATION CONTROLLER MARKET IN EUROPE, BY DISCRETE INDUSTRY, 2015–2024 (USD BILLION)

TABLE 53 MACHINE AUTOMATION CONTROLLER MARKET IN EUROPE, BY CONTROLLER TYPE, 2015–2024 (USD BILLION)

TABLE 54 MACHINE AUTOMATION CONTROLLER MARKET IN APAC, BY COUNTRY, 2015–2024 (USD BILLION)

TABLE 55 MACHINE AUTOMATION CONTROLLER MARKET IN EUROPE, BY PROCESS INDUSTRY, 2015–2024 (USD BILLION)

TABLE 56 MACHINE AUTOMATION CONTROLLER MARKET IN EUROPE, BY

DISCRETE INDUSTRY, 2015–2024 (USD BILLION)

TABLE 57 MACHINE AUTOMATION CONTROLLER MARKET IN APAC, BY
CONTROLLER TYPE, 2015–2024 (USD BILLION)

TABLE 58 MACHINE AUTOMATION CONTROLLER MARKET IN ROW, BY
COUNTRY, 2015–2024 (USD BILLION)

TABLE 59 MACHINE AUTOMATION CONTROLLER MARKET IN ROW, BY
PROCESS INDUSTRY, 2015–2024 (USD BILLION)

TABLE 60 MACHINE AUTOMATION CONTROLLER MARKET IN ROW, BY
DISCRETE INDUSTRY, 2015–2024 (USD BILLION)

TABLE 61 MACHINE AUTOMATION CONTROLLER MARKET IN ROW, BY
CONTROLLER TYPE, 2015–2024 (USD BILLION)

TABLE 62 PRODUCT LAUNCHES (2016–2019)

TABLE 63 CONTRACT (2016–2018)

TABLE 64 ACQUISITION (2016–2018)

TABLE 65 AGREEMENT, PARTNERSHIP, AND JOINT VENTURE (2016–2018)

TABLE 66 EXPANSION (2016–2018)

List Of Figures

LIST OF FIGURES

FIGURE 1 MACHINE AUTOMATION CONTROLLER MARKET SEGMENTATION

FIGURE 2 MACHINE AUTOMATION CONTROLLER MARKET: RESEARCH DESIGN

FIGURE 3 BOTTOM-UP APPROACH TO ARRIVE AT MARKET SIZE

FIGURE 4 TOP-DOWN APPROACH TO ARRIVE AT MARKET SIZE

FIGURE 5 DATA TRIANGULATION

FIGURE 6 ASSUMPTIONS FOR RESEARCH STUDY

FIGURE 7 MACHINE AUTOMATION CONTROLLER MARKET SEGMENTATION

FIGURE 8 DCS TO LEAD MACHINE AUTOMATION CONTROLLER MARKET
DURING FORECAST PERIOD

FIGURE 9 IP65-RATED CONTROLLER TO HOLD LARGER SIZE OF MACHINE
AUTOMATION CONTROLLER MARKET DURING 2019–2024

FIGURE 10 MACHINE AUTOMATION CONTROLLER MARKET FOR ENERGY &
POWER INDUSTRY TO GROW AT HIGHEST CAGR FROM 2019 TO 2024

FIGURE 11 APAC TO HOLD LARGEST SHARE OF MACHINE AUTOMATION
CONTROLLER

MARKET BY 2019

FIGURE 12 INCREASING NEED TO DRIVE PRODUCTIVITY IN PROCESS
INDUSTRY DRIVING DEMAND FOR MACHINE AUTOMATON CONTROLLERS

FIGURE 13 DCS TO REGISTER HIGHEST CAGR IN MACHINE AUTOMATION
CONTROLLER MARKET FROM 2019 TO 2024

FIGURE 14 IP65 TO HOLD LARGEST SHARE OF MACHINE AUTOMATION
CONTROLLER MARKET BY 2019

FIGURE 15 OIL & GAS AND APAC TO HOLD LARGEST SHARE OF MACHINE
AUTOMATION CONTROLLER MARKET BY 2019

FIGURE 16 CHINA TO HOLD LARGEST SHARE OF MACHINE AUTOMATION
CONTROLLER MARKET BY 2019

FIGURE 17 DROC: MACHINE AUTOMATON CONTROLLER MARKET, 2019

FIGURE 18 MANUFACTURING AND ASSEMBLY STAGE ADDS MAJOR VALUE TO
MACHINE AUTOMATION CONTROLLER MARKET

FIGURE 19 FUNCTIONS OF MACHINE AUTOMATION CONTROLLERS

FIGURE 20 TYPES OF MACHINE AUTOMATION CONTROLLERS

FIGURE 21 MACHINE AUTOMATION CONTROLLER MARKET, BY CONTROLLER
TYPE

FIGURE 22 WORKING OF DCS

FIGURE 23 APAC TO LEAD MACHINE AUTOMATION CONTROLLER MARKET

FOR DCS DURING FORECAST PERIOD

FIGURE 24 WORKING OF PLC

FIGURE 25 FOOD & BEVERAGES TO GROW AT HIGHEST CAGR FROM 2019 TO 2024

FIGURE 26 WORKING OF INDUSTRIAL PC

FIGURE 27 AUTOMOTIVE TO LEAD MACHINE AUTOMATION CONTROLLER MARKET FOR INDUSTRIAL PC DURING FORECAST PERIOD

FIGURE 28 MACHINE AUTOMATION CONTROLLER, BY FORM FACTOR

FIGURE 29 PROCESS INDUSTRY TO HOLD LARGER SIZE OF MACHINE AUTOMATION CONTROLLER MARKET FOR IP65 DURING FORECAST PERIOD

FIGURE 30 AEROSPACE & DEFENSE TO GROW AT HIGHEST CAGR IN MACHINE AUTOMATION CONTROLLER MARKET FOR IP65 FROM 2019 TO 2024

FIGURE 31 AUTOMOTIVE TO HOLD LARGEST SIZE OF MACHINE AUTOMATION CONTROLLER MARKET FOR IP20 DURING FORECAST PERIOD

FIGURE 32 ENERGY & POWER TO GROW AT HIGHEST CAGR IN MACHINE AUTOMATION CONTROLLER MARKET FOR OTHERS FROM 2019 TO 2024

FIGURE 33 MACHINE AUTOMATION CONTROLLER MARKET, BY INDUSTRY

FIGURE 34 APAC TO LEAD MACHINE AUTOMATION CONTROLLER MARKET FOR PROCESS INDUSTRY FROM 2019 TO 2024

FIGURE 35 MACHINE AUTOMATION CONTROLLER MARKET FOR DCS IN ENERGY & POWER INDUSTRY TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 36 PLC TO HOLD LARGEST SIZE OF MACHINE AUTOMATION CONTROLLER MARKET FOR FOOD & BEVERAGES INDUSTRY FROM 2019 TO 2024

FIGURE 37 APAC TO LEAD MACHINE AUTOMATION CONTROLLER MARKET FOR CHEMICALS INDUSTRY FROM 2019 TO 2024

FIGURE 38 DCS TO LEAD MACHINE AUTOMATION CONTROLLER MARKET FOR METALS & MINING INDUSTRY DURING FORECAST PERIOD

FIGURE 39 APAC TO DOMINATE MACHINE AUTOMATION CONTROLLER MARKET FOR

PULP & PAPER INDUSTRY FROM 2019 TO 2024

FIGURE 40 AUTOMOTIVE TO HOLD LARGEST SIZE OF MACHINE AUTOMATION CONTROLLER MARKET FOR DISCRETE INDUSTRY DURING FORECAST PERIOD

FIGURE 41 APAC TO DOMINATE MACHINE AUTOMATION CONTROLLER MARKET FOR AEROSPACE & DEFENSE INDUSTRY FROM 2019 TO 2024

FIGURE 42 MACHINE AUTOMATION CONTROLLER MARKET, BY CONTROLLER TYPE

FIGURE 43 NORTH AMERICA: MACHINE AUTOMATION CONTROLLER MARKET

SNAPSHOT

FIGURE 44 AUTOMOTIVE TO HOLD LARGEST SIZE OF MACHINE AUTOMATION CONTROLLER MARKET FOR DISCRETE INDUSTRY IN NORTH AMERICA FROM 2019 TO 2024

FIGURE 45 EUROPE: MACHINE AUTOMATION CONTROLLER SNAPSHOT

FIGURE 46 MACHINE AUTOMATION CONTROLLER MARKET FOR INDUSTRIAL PC TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 47 APAC: MACHINE AUTOMATION CONTROLLER MARKET SNAPSHOT

FIGURE 48 ENERGY & POWER TO HOLD LARGEST SIZE OF MACHINE AUTOMATION CONTROLLER MARKET IN APAC FROM 2019 TO 2024

FIGURE 49 DCS TO DOMINATE MACHINE AUTOMATION CONTROLLER MARKET IN APAC DURING FORECAST PERIOD

FIGURE 50 AUTOMOTIVE TO HOLD LARGEST SIZE OF MACHINE AUTOMATION CONTROLLER MARKET IN ROW FROM 2019 TO 2024

FIGURE 51 PRODUCT LAUNCHES ADOPTED AS KEY GROWTH STRATEGY BY MAJOR PLAYERS IN MACHINE AUTOMATION CONTROLLER MARKET DURING 2016–2018

FIGURE 52 RANKING OF TOP 5 PLAYERS: DCS (2018)

FIGURE 53 RANKING OF TOP 5 PLAYERS: PLC (2018)

FIGURE 54 RANKING OF TOP 5 PLAYERS: INDUSTRIAL PC (2018)

FIGURE 55 MACHINE AUTOMATION CONTROLLER MARKET: COMPETITIVE LEADERSHIP MAPPING, 2018

FIGURE 56 MARKET EVOLUTION FRAMEWORK: PRODUCT LAUNCHES FUELED MACHINE AUTOMATION CONTROLLER MARKET GROWTH DURING 2016–2018

FIGURE 57 PRODUCT LAUNCHES—KEY STRATEGY ADOPTED BY MARKET PLAYERS DURING 2016–2018

FIGURE 58 ABB: COMPANY SNAPSHOT

FIGURE 59 EMERSON: COMPANY SNAPSHOT

FIGURE 60 SIEMENS: COMPANY SNAPSHOT

FIGURE 61 SCHNEIDER ELECTRIC: COMPANY SNAPSHOT

FIGURE 62 YOKOGAWA: COMPANY SNAPSHOT

FIGURE 63 ADVANTECH: COMPANY SNAPSHOT

FIGURE 64 DELTA ELECTRONICS: COMPANY SNAPSHOT

FIGURE 65 HONEYWELL: COMPANY SNAPSHOT

FIGURE 66 MITSUBISHI ELECTRIC: COMPANY SNAPSHOT

FIGURE 67 OMRON: COMPANY SNAPSHOT

FIGURE 68 ROCKWELL AUTOMATION: COMPANY SNAPSHOT

FIGURE 69 ROBERT BOSCH: COMPANY SNAPSHOT

I would like to order

Product name: Machine Automation Controller Market by Controller Type (DCS, PLC, Industrial PC), Form Factor (IP65, IP20), Industry (Oil & Gas, Energy & Power, Food & Beverages, Chemicals, Automotive), and Geography - Global Forecast to 2024

Product link: <https://marketpublishers.com/r/M2272166D25EN.html>

Price: US\$ 5,650.00 (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/M2272166D25EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970