

Machine Automation Controller - Global Market Outlook (2017-2026)

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Abstracts

According to Statistics MRC, the Global Machine Automation Controller Market is accounted for \$29.19 billion in 2017 and is expected to reach \$47.10 billion by 2026 growing at a CAGR of 4.9% during the forecast period. The increasing focus on reducing the overall operational costs, the need to drive productivity in manufacturing industries, and the growing use of robots & robotics in the manufacturing sector is some of the factors fuelling the market growth. 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.

Machine automation controllers are likely used with IP20 and IP65 rating where the automated system is constantly in contact with dust, liquid and solid objects which are capable of damaging the system and cause production break down. DCS and Industrial PC are configured with IP65 or IP20 protocol since they provide addition protection. IP65 rated automation controller offers protection against dust and low-pressure jets of liquid from all directions. Automation controllers, such as DCS and industrial PC (IPC), have IP65 rating because a few components, such as flat panel monitor which do not have additional protection. The need to protect these external components has resulted in making IP65 rating a necessity.

Based on end user, automotive as well as food and beverages industry are estimated to see significant growth in the global machine automation controllers market, on account of growing usage of machine automation controllers for industrial automation globally. By Geography, APAC is expected to account for the largest share of machine automation controller market during the forecast period. Significant domestic demand for automated controllers has led to the establishment of manufacturing units in various industries, such as automotive, chemicals, food & beverages, and semiconductor &

electronics, in APAC.

Some of the key players profiled in the machine automation controller market include ACS India, Advantech, Beckhoff Automation, Delta Electronics , Emerson, Hollysys Automation, Honeywell, Kollmorgen, Kontron, Mitsubishi Electric, Omron, Robert Bosch, Rockwell Automation, Schneider Electric and Siemens.

Products Covered:

Compact Controller

Modular Controller

Functions Covered:

Communication

Database Connection

Logic Sequence

Machine Monitoring

Motion Control

Network Safety

Robotics

Semiconductor Equipment Communication Standard/Generic Manufacturing Equipment (SECS/GEM)

Controllers Covered:

Distributed Control System (DCS)

Industrial PC

Programmable Logic Controller (PLC)

Industries Covered:

Discrete Industries

Process Industries

Types Covered:

Analog Input / Output Unit

CPU Units

Digital Input / Output Unit

Load Cell Input Unit

Position Interface Unit

System Unit

Form Factors Covered:

IP20

IP65

Other Form Factors

Applications Covered:

Hard Disk Manufacturing Management

PWB Mounting Process Management

Rechargeable Battery Manufacturing Process

End Users Covered:

Discrete Industries

Media and Telecommunications

Process Industries

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic analysis: Drivers and Constraints, Product/Technology Analysis, Porter's five forces analysis, SWOT analysis etc.

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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Comprehensive profiling of additional market players (up to 3)

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Market estimations, Forecasts and CAGR of any prominent country as

per the clients interest (Note: Depends of feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Note: The tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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