

India Factory Automation Market By Type (Fixed Automation, Programmable Automation, Flexible Automation, and Integrated Automation), By Technology (Supervisory Control and data Acquisition (SCADA), Programmable Automation Controller (PAC), Programmable Logic Controller (PLC), Distributed Control System (DCS), and Human Machine Interface (HMI)), By End-User Industry (Manufacturing, Energy & Power, Automotive, Logistics, and Others), By Region, Competition, Forecast and Opportunities, 2029

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Abstracts

India factory automation market is anticipated to grow at a high CAGR in the forecast period 2025-2029. Factory automation is the process of automating the production process of goods within a factory. It involves the use of computer-controlled machinery, robotics, and other advanced technologies to increase production efficiency and reduce production costs. Automated systems can handle a variety of tasks ranging from simple assembly to complex operations such as welding and milling. Automated systems are also used to monitor product quality and inspect products for defects. Factory automation has the potential to reduce labour costs and improve product quality. India is one of the world's fastest-growing economies, and the factory automation market in India is expected to grow significantly in the coming years as well. With the government's focus on the manufacturing sector, the automation market in India is expected to benefit from the large-scale investments being made in the sector. The automation market in India is highly fragmented, with several local and international

players competing for market share. The Indian government has taken various initiatives to promote the use of automation in the manufacturing sector, such as providing tax incentives to companies that invest in automation. The demand for automation products in India is driven by the need to increase productivity, reduce costs, and improve quality. Automation has become increasingly important in the manufacturing sector, as it enables companies to reduce labour costs and increase efficiency. Automation also helps to reduce the time required for production and improves product quality. The increasing demand for automation products in India is also driven by the need for increased safety and reliability in the production process. Thus, the market for factory automation is expected to grow significantly in the coming years.

Throughout the forecast period, the India factory automation market is predicted to grow at a stable rate. The market is primarily driven by rising demand for improved power quality and increased adoption of renewable energy sources. Additionally, the increasing number of power plants and the modernisation of existing power infrastructure are likely to boost market expansion. The market is highly fragmented, with numerous local and global firms. Product innovation, partnerships, and collaborations are just a few of the primary techniques used by these firms to improve their market position.

With the support of members of the Electronics and Computer Software Export Promotion Council, the Indian government is attempting to build a favourable ecosystem for producing and exporting electronics items such as televisions, closed-circuit televisions, and air conditioners. The manufacturing sector accounts for 17% of GDP, with the vision statement intending to raise that figure to 25% by the end of the year.

Furthermore, the adoption of e-commerce in India has resulted in a massive volume of business and several challenges for the warehouse industry. Transportation delays and a lack of trained labour, among other factors, prompted stakeholders to explore beyond traditional techniques to embracing robotics-enabled automation solutions.

Increasing Labour Costs

The manufacturing industry in India has been a big contributor to the country's economy, and as the industry has grown, so has the demand for labour. However, recent increases in labour costs have posed a challenge to India's manufacturing sector, which is struggling to maintain its competitiveness in the global market. In this environment, industrial automation has emerged as a feasible solution that can assist

Indian firms in reducing their reliance on labour while increasing efficiency, quality, and output. With the rising cost of labour, many factories in India are turning to automation to reduce costs and increase efficiency. Automation can reduce labour costs, while still delivering high quality products and services. Additionally, automation can reduce the amount of time needed to produce a product and increase productivity. In addition, automation can reduce the chances of human error, which can be costly and time consuming to fix. Automation also has the potential to reduce the need for manual labour, which can help reduce labor costs and improve overall efficiency. Therefore, the decreasing labour costs will drive the India factory automation market but the minimum wage rates in India have been constantly growing. Labour costs in India are significantly greater than other Asian countries like China and Vietnam, making it difficult for Indian manufacturers to compete in the global market. As a result, businesses are seeking for ways to cut labour costs while increasing productivity, and automation is a viable solution that can address both issues. Factory automation provides various benefits, including higher quality, increased production, lower labour costs, and increased safety. Robots and automated devices can do repeated activities with better accuracy and consistency than human labour, allowing producers to maintain a high level of quality while minimising errors. Automation can also help businesses enhance their output because machines can operate continually without stopping or resting, resulting in increased productivity and efficiency. To summarise, rising labour costs in India have posed a challenge to the manufacturing industry, which is trying to maintain its worldwide competitiveness. Factory automation has emerged as a feasible alternative that can assist Indian firms in lowering labour costs, increasing productivity and efficiency, and maintaining good quality. As a result, demand for automation solutions is likely to increase in the coming years, becoming a key driver of the India industrial automation market.

Increasing Production Requirements

The manufacturing business in India is expanding rapidly, and with it, the need for commodities and products. The growth in demand has put pressure on firms to enhance their output, resulting in a need for automation solutions. Factory automation can assist producers in increasing production efficiency, lowering production costs, and improving quality control. Automated machines and robots can work continuously without interruptions and rest, allowing manufacturers to enhance the manufacturing productivity. Automated machines can also undertake activities requiring high precision, accuracy, and consistency, assisting producers in maintaining a high degree of quality control. Furthermore, automation can aid in the reduction of errors, defects, and waste in the manufacturing process, resulting in cost savings and increased profitability.

Furthermore, automation can help manufacturers become more flexible and responsive to changing market demands. Automated machines and robots can be configured to react to changes in production requirements, allowing firms to quickly modify output to suit changing market demands.

Finally, the rising production demands in India are driving the demand for automation solutions. Factory automation can assist producers in increasing manufacturing output, lowering production costs, and improving quality control. As a result, demand for automation solutions is likely to increase in the coming years, becoming a key driver of the India industrial automation market.

Increasing Use of Robotics

Labour prices in India have been continuously rising in recent years, and the adoption of robotics can assist industries cut their labour costs while improving production efficiency. This low cost is likely to drive the adoption of robotics in manufacturing, boosting the factory automation market. The combination of cost-effectiveness, higher quality and efficiency, government initiatives, and increased demand clearly indicates that robotics will drive India's factory automation market in the future years.

Regulatory Compliance

Regulatory compliance is another key driver of the India factory automation market. Various industries such as pharmaceuticals, food processing, and automotive are subjected to strict regulatory requirements, and factory automation is essential to ensure compliance with these regulations. Factory automation also helps to reduce the risk of liability and ensure the safety of products and structures.

Market Segments

The India factory automation market is segmented into type, technology, end user industry, and region. Based on type, the market is segmented into fixed automation, programmable automation, flexible automation, and integrated automation. Based on technology, the market is divided into supervisory control and data acquisition (SCADA), programmable automation controller (PAC), programmable logic controller (PLC), distributed control System (DCS), and human machine interface (HMI). Based on end-user industry, the market is segmented into manufacturing, energy & power, automotive, logistics, and others. The market analysis also studies the regional segmentation to devise regional market segmentation, divided among East India, West

India, North India, and South India.

Market Players

Major market players of India factory automation market are ABB India Ltd, Siemens Ltd, MTS Systems Corporation, Schneider Electric India Pvt. Ltd, Honeywell Automation India Ltd, Mitsubishi Electric India Pvt. Ltd, OMRON Automation India, Emerson Electric Co. (India) Pvt. Ltd, YASKAWA India Pvt. Ltd, FANUC India Pvt. Ltd, and Rockwell Automation India Pvt. Ltd. To achieve good market growth, businesses that are active in the market employ organic tactics such as product launches, mergers, and partnerships.

Report Scope:

In this report, India factory automation market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

India Factory Automation Market, By Type

Fixed Automation

Programmable Automation

Flexible Automation

Integrated Automation

India Factory Automation Market, By Technology

Supervisory Control and data Acquisition (SCADA)

Programmable Automation Controller (PAC)

Programmable Logic Controller (PLC)

Distributed Control System (DCS)

Human Machine Interface (HMI)

India Factory Automation Market, By End-User Industry

Manufacturing

Energy & Power

Automotive

Logistics and Others

India Factory Automation Market, By Region:

East India

West India

North India

South India

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in India factory automation market.

Available Customizations:

India factory automation market with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
- 1.3. Markets Covered
- 1.4. Years Considered for Study
- 1.5. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

4. VOICE OF CUSTOMER

5. INDIA FACTORY AUTOMATION MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Type (Fixed Automation, Programmable Automation, Flexible Automation, and Integrated Automation)
 - 5.2.2. By Technology (Supervisory Control and data Acquisition (SCADA), Programmable Automation Controller (PAC), Programmable logic controller PLC))
 - 5.2.3. By End User Industry (Manufacturing, Energy & Power, Automotive, Logistics and Others)
 - 5.2.4. By Region (South India, North India, West India, East India)
- 5.3. By Company (2023)

5.4. Product Market Map

6. SOUTH INDIA FACTORY AUTOMATION MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Type

6.2.2. By Technology

6.2.3. By End User Industry

7. NORTH INDIA FACTORY AUTOMATION MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Type

7.2.2. By Technology

7.2.3. By End User Industry

8. WEST INDIA FACTORY AUTOMATION MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Type

8.2.2. By Technology

8.2.3. By End User Industry

9. EAST INDIA FACTORY AUTOMATION MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Type

9.2.2. By Technology

9.2.3. By End User Industry

10. MARKET DYNAMICS

10.1. Drivers

- 10.1.1. Increasing Labor Costs
- 10.1.2. Increasing Production Requirements
- 10.1.3. Increasing Use of Robotics

10.2. Challenges

- 10.2.1. Limited awareness of benefits of Factory Automation
- 10.2.2. Regulatory and Compliance Issues

11. MARKET TRENDS & DEVELOPMENTS

- 11.1. Increasing investments in research and development activities
- 11.2. Growing adoption of industrial robots
- 11.3. Adoption of automation solutions
- 11.4. Automated Material Handling Solutions
- 11.5. Use of technology in the manufacturing sector.

12. POLICY & REGULATORY LANDSCAPE

13. INDIA ECONOMIC PROFILE

14. COMPANY PROFILES

14.1. ABB India Ltd

- 14.1.1. Business Overview
- 14.1.2. Key Revenue (If Available)
- 14.1.3. Recent Developments
- 14.1.4. Key Personnel
- 14.1.5. Key Product/Service Offered

14.2. Siemens Ltd

- 14.2.1. Business Overview
- 14.2.2. Key Revenue (If Available)
- 14.2.3. Recent Developments
- 14.2.4. Key Personnel
- 14.2.5. Key Product/Service Offered

14.3. YASKAWA INDIA PVT. LTD

- 14.3.1. Business Overview

- 14.3.2. Key Revenue (If Available)
- 14.3.3. Recent Developments
- 14.3.4. Key Personnel
- 14.3.5. Key Product/Service Offered
- 14.4. OMRON Automation India
 - 14.4.1. Business Overview
 - 14.4.2. Key Revenue (If Available)
 - 14.4.3. Recent Developments
 - 14.4.4. Key Personnel
 - 14.4.5. Key Product/Service Offered
- 14.5. Emerson Electric Co. (India) Pvt. Ltd
 - 14.5.1. Business Overview
 - 14.5.2. Key Revenue (If Available)
 - 14.5.3. Recent Developments
 - 14.5.4. Key Personnel
 - 14.5.5. Key Product/Service Offered
- 14.6. Schneider Electric India Pvt. Ltd
 - 14.6.1. Business Overview
 - 14.6.2. Key Revenue (If Available)
 - 14.6.3. Recent Developments
 - 14.6.4. Key Personnel
 - 14.6.5. Key Product/Service Offered
- 14.7. Honeywell Automation India Ltd
 - 14.7.1. Business Overview
 - 14.7.2. Key Revenue (If Available)
 - 14.7.3. Recent Developments
 - 14.7.4. Key Personnel
 - 14.7.5. Key Product/Service Offered
- 14.8. FANUC India Pvt. Ltd
 - 14.8.1. Business Overview
 - 14.8.2. Key Revenue (If Available)
 - 14.8.3. Recent Developments
 - 14.8.4. Key Personnel
 - 14.8.5. Key Product/Service Offered
- 14.9. Mitsubishi Electric India Pvt. Ltd
 - 14.9.1. Business Overview
 - 14.9.2. Key Revenue (If Available)
 - 14.9.3. Recent Developments
 - 14.9.4. Key Personnel

14.9.5. Key Product/Service Offered

14.10. Rockwell Automation India Pvt. Ltd

14.10.1. Business Overview

14.10.2. Key Revenue (If Available)

14.10.3. Recent Developments

14.10.4. Key Personnel

14.10.5. Key Product/Service Offered

15. STRATEGIC RECOMMENDATIONS

16. ABOUT US & DISCLAIMER

(Note: The companies list can be customized based on the client requirements.)

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