

Global Industrial Automation Technology Intelligence 2026 – Strategic Analysis of Technology Landscape, Innovation Trends, R&D Activities, Technology Roadmap, and Future Outlook

<https://marketpublishers.com/r/I8C14B808254EN.html>

Date: September 2026

Pages: 200

Price: US\$ 4,150.00 (Single User License)

ID: I8C14B808254EN

Abstracts

The Global Industrial Automation Technology Intelligence report provides comprehensive strategic insights into the global industrial automation technology landscape by analyzing technology evolution, innovation trends, research and development activities, technology roadmaps, industrial control advancements, robotics developments, and emerging automation technologies. The report is designed to support technology leaders, R&D organizations, industrial automation providers, manufacturing enterprises, investors, and policymakers in understanding future technology directions and identifying opportunities for innovation and commercialization.

The study evaluates industrial control and automation technologies, robotics, artificial intelligence, machine vision, industrial networking, motion control, programmable automation systems, sensors and instrumentation, industrial IoT, intelligent process control, and next-generation industrial automation solutions. It also assesses the innovation capabilities of leading technology companies, research institutes, universities, startups, and government organizations to provide a comprehensive view of the industry's technology ecosystem.

The report further analyzes technology adoption trends, research collaborations, intellectual property developments, commercialization activities, technology maturity, and strategic initiatives to help organizations benchmark innovation, monitor emerging automation technologies, and formulate long-term technology strategies.

Key Coverage

Industrial automation technology landscape

Technology evolution and roadmap

Industrial control and automation technologies

Robotics, AI and machine vision technologies

Industrial networking and motion control technologies

Sensors and instrumentation technologies

Industrial IoT and intelligent process control

Emerging industrial automation technologies

Research & development trends

Technology maturity and readiness assessment

Target Audience

Chief Technology Officers (CTOs)

Research & Development (R&D) Teams

Industrial Automation Technology Developers

Innovation Management Teams

Industrial Automation Providers

Technology Scouting Teams

Product Development Teams

Manufacturing Enterprises

Robotics & Automation Companies

Industrial Equipment Manufacturers

What This Report Offers

Comprehensive industrial automation technology landscape assessment

Technology evolution and roadmap analysis

Industrial control and automation technology comparison

Robotics, AI and machine vision technology analysis

Industrial networking and motion control technology assessment

Sensors and instrumentation technology analysis

Industrial IoT and intelligent process control assessment

Emerging automation technology and innovation tracking

R&D activity and investment assessment

Future industrial automation technology opportunity assessment

Key Companies Covered (Illustrative)

Siemens AG

ABB Ltd.

Schneider Electric SE

Rockwell Automation, Inc.

Honeywell International Inc.

Emerson Electric Co.

Mitsubishi Electric Corporation

Omron Corporation

Yokogawa Electric Corporation

Yaskawa Electric Corporation

FANUC Corporation

KUKA AG

Bosch Rexroth AG

Beckhoff Automation GmbH & Co. KG

And other leading technology innovators and industry participants.

Contents

1 EXECUTIVE SUMMARY

2 RESEARCH METHODOLOGY

- 2.1 Research Methodology
- 2.2 Research Objectives
- 2.3 Data Sources
- 2.4 Scope of the Study
- 2.5 Assumptions & Limitations

3 INDUSTRY TECHNOLOGY OVERVIEW

- 3.1 Technology Landscape
- 3.2 Technology Evolution
- 3.3 Industrial Automation Value Chain
- 3.4 Key Technology Drivers
- 3.5 Technology Challenges
- 3.6 Regulatory Landscape
- 3.7 Innovation Trends

4 TECHNOLOGY LANDSCAPE ANALYSIS

- 4.1 Industrial Control & Automation Technologies
- 4.2 Robotics, AI & Machine Vision Technologies
- 4.3 Emerging Industrial Automation Technologies
- 4.4 Technology Maturity Assessment
- 4.5 Technology Adoption Trends
- 4.6 Technology Readiness Levels (TRL)

5 INNOVATION BENCHMARKING

- 5.1 Leading Technology Developers
- 5.2 R&D Investments
- 5.3 Technology Portfolio Comparison
- 5.4 Innovation Strategies
- 5.5 Research Collaborations
- 5.6 University & Research Institute Activities

6 TECHNOLOGY DEVELOPMENT INTELLIGENCE

- 6.1 Technology Roadmap
- 6.2 Product Innovations
- 6.3 Commercialization Landscape
- 6.4 Technology Licensing
- 6.5 Industry Standardization
- 6.6 Future Technology Pipeline

7 PATENT & INTELLECTUAL PROPERTY OVERVIEW

- 7.1 Patent Landscape
- 7.2 Patent Filing Trends
- 7.3 Leading Patent Holders
- 7.4 Technology Domains
- 7.5 Innovation Hotspots

8 STRATEGIC DEVELOPMENTS

- 8.1 Partnerships
- 8.2 Joint Ventures
- 8.3 Acquisitions
- 8.4 Government Programs
- 8.5 Research Funding
- 8.6 Future Initiatives

9 REGIONAL TECHNOLOGY ANALYSIS

- 9.1 North America
- 9.2 Europe
- 9.3 China
- 9.4 Japan
- 9.5 South Korea
- 9.6 India
- 9.7 Southeast Asia
- 9.8 Other Regions

10 EMERGING TECHNOLOGIES & STARTUPS

- 10.1 High-Growth Companies
- 10.2 University Spin-offs
- 10.3 Startups by Region
- 10.4 Venture Capital Activity
- 10.5 Unicorn Tracking
- 10.6 Disruptive Technologies

11 FUTURE TECHNOLOGY OUTLOOK

- 11.1 White Space Analysis
- 11.2 Threat Analysis
- 11.3 Opportunity Mapping
- 11.4 Future Leaders
- 11.5 Strategic Recommendations

12 COMPANY PROFILES

- 12.1 Siemens AG
- 12.2 ABB Ltd.
- 12.3 Schneider Electric SE
- 12.4 Rockwell Automation, Inc.
- 12.5 Honeywell International Inc.
- 12.6 Emerson Electric Co.
- 12.7 Mitsubishi Electric Corporation
- 12.8 Omron Corporation
- 12.9 Yokogawa Electric Corporation
- 12.10 Yaskawa Electric Corporation
- 12.11 FANUC Corporation
- 12.12 KUKA AG
- 12.13 Bosch Rexroth AG
- 12.14 Beckhoff Automation GmbH & Co. KG
- 12.15 Phoenix Contact GmbH & Co. KG
- 12.16 Danfoss A/S
- 12.17 SEW-Eurodrive GmbH & Co. KG
- 12.18 Keyence Corporation
- 12.19 SICK AG
- 12.20 Balluff GmbH
- 12.21 Banner Engineering Corp.

- 12.22 Endress+Hauser Group
- 12.23 Fuji Electric Co., Ltd.
- 12.24 WEG S.A.
- 12.25 Regal Rexnord Corporation

13 LIST OF TABLES

- Table 1 Industrial Automation Technology Landscape
- Table 2 Technology Evolution and Roadmap
- Table 3 Industrial Automation Technology Portfolio Comparison
- Table 4 Technology Maturity Assessment
- Table 5 Technology Readiness Level Assessment
- Table 6 Leading Technology Developers
- Table 7 R&D Investment and Innovation Comparison
- Table 8 Emerging Industrial Automation Technologies

14 LIST OF FIGURES

- Fig 1 Industrial Automation Technology Value Chain
- Fig 2 Global Industrial Automation Technology Ecosystem
- Fig 3 Industrial Automation Technology Evolution Roadmap
- Fig 4 Technology Adoption Trend
- Fig 5 Technology Readiness Assessment
- Fig 6 Regional Technology Development Landscape
- Fig 7 Research Collaboration Network
- Fig 8 Emerging Industrial Automation Technology Pipeline

I would like to order

Product name: Global Industrial Automation Technology Intelligence 2026 – Strategic Analysis of Technology Landscape, Innovation Trends, R&D Activities, Technology Roadmap, and Future Outlook

Product link: <https://marketpublishers.com/r/l8C14B808254EN.html>

Price: US\$ 4,150.00 (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/l8C14B808254EN.html>