

Industrial Software Market by Type (Manufacturing Execution System, SCADA, Human Machine Interface, Robotic Software, Fault Detection and Classification, AI in manufacturing, Industrial Metrology), End-use (Process, Discrete) - Global Forecast to 2029

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Report description:

The global industrial software market was valued at USD 21.5 billion in 2024 and is estimated to reach USD 46.6 billion by 2029, registering a CAGR of 16.7% during the forecast period. The rising urbanization, regulatory requirements for sustainable manufacturing and the integration of smart manufacturing and smart factory strategies foster a reasonable setting for industrial software market.

"SCADA to contribute significant share in industrial software market."

SCADA (Supervisory Control and Data Acquisition) software is poised for significant growth within the industrial software market due to its critical role in enabling real-time monitoring, control, and automation of industrial processes. SCADA systems are essential in industries such as manufacturing, energy, oil & gas, water treatment, and transportation, where they facilitate remote management of infrastructure, equipment, and operations across geographically dispersed locations. The increasing adoption of IoT (Internet of Things) and IIoT (Industrial Internet of Things) technologies further enhances SCADA's capabilities by integrating data from sensors and devices into centralized control systems, enabling predictive maintenance, optimizing resource utilization, and improving operational efficiency. As industries continue to prioritize digital transformation initiatives and seek robust solutions for process optimization and automation, SCADA software is expected to play a crucial role in driving operational excellence and meeting stringent regulatory requirements, thereby fueling its significant growth in the industrial software market..

"Discrete segment contributes significant share in the industrial software market."

The discrete industry segment is poised to experience significant growth and capture a substantial market share within the industrial software market for several compelling reasons. Industries such as automotive, aerospace, electronics, and machinery

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face complex manufacturing processes that benefit greatly from advanced industrial software solutions like MES, SCADA, HMI, industrial metrology and robotic software. These tools streamline operations, optimize workflows, and ensure stringent quality control throughout the manufacturing lifecycle. Moreover, the demand for innovation and customization drives the adoption of industrial software, enabling agile product design, rapid prototyping, and efficient production planning to meet diverse consumer needs. Global competition underscores the importance of operational efficiency and cost-effectiveness, which industrial software facilitates by improving productivity, reducing waste, and managing complex supply chains. Technological advancements in AI, IoT, and digital twins further enhance manufacturing capabilities, supporting predictive maintenance, real-time monitoring, and data-driven decision-making. Regulatory compliance is also facilitated through robust software solutions, ensuring adherence to quality, safety, and environmental standards. As discrete manufacturers embrace digital transformation initiatives, industrial software plays a pivotal role in integrating smart manufacturing technologies for automation, connectivity, and continuous improvement, thereby driving the segment's growth and market prominence.

"North America will contribute significantly to the growth rate in industrial software market."

North America is poised to contribute a significant share to the industrial software market for several compelling reasons. The region boasts a robust industrial base across sectors such as manufacturing, automotive, aerospace, energy, and pharmaceuticals, all of which heavily rely on advanced software solutions to optimize operations and enhance productivity. Industrial software applications such as MES (Manufacturing Execution Systems), SCADA (Supervisory Control and Data Acquisition), are integral to managing complex manufacturing processes, ensuring regulatory compliance, and improving efficiency. Moreover, North America leads in technological innovation, with ongoing investments in AI (Artificial Intelligence), IoT (Internet of Things), and cloud computing driving the adoption of smart manufacturing practices. These technologies enable real-time monitoring, predictive maintenance, and data analytics, thereby supporting agile decision-making and continuous improvement initiatives. The region's commitment to digital transformation, coupled with a strong emphasis on quality control and operational excellence, positions North America as a key contributor to the global industrial software market, driving innovation and competitiveness across industries.

In-depth interviews have been conducted with chief executive officers (CEOs), Directors, and other executives from various key organizations operating in the industrial software market place.

- By Company Type: Tier 1 - 40%, Tier 2 - 35%, and Tier 3 - 25%
- By Designation: C-level Executives - 35%, Directors - 28%, and Others - 37%
- By Region: North America- 45%, Europe - 35%, Asia Pacific- 15% and RoW- 5%

Siemens (Germany), Rockwell Automation (US), ABB (Switzerland), Emerson Electric Co. (US) and General Electric (US) among others, are some of the key players in the industrial software market.

The study includes an in-depth competitive analysis of these key players in the industrial software market, with their company profiles, recent developments, and key market strategies.

Research Coverage

This research report categorizes the industrial software market by type, end-use, and region (North America, Europe, Asia Pacific, and RoW). The report scope covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the industrial software market. A detailed analysis of the key industry players has provided insights into their business overview, solutions and services, key strategies, Contracts, partnerships, and agreements. New product and service launches, acquisitions, and recent developments associated with the industrial software market. This report covers competitive analysis of upcoming startups in the industrial software market ecosystem.

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Reasons to buy this report

The report will help the market leaders/new entrants with information on the closest approximations of the revenue numbers for the industrial software market, and subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the market pulse and provides information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

- This new version of the report on the industrial software market includes the following:
- Market size from 2020 to 2029
- Average selling prices (ASPs) of industrial software calculated by the weighted average method
- Updated research assumptions and limitations
- Information related to trends/disruptions impacting businesses of customers, as well as information on the ecosystem of industrial software, trade analysis, regulatory analyses, technology analysis, patents analysis, and case studies pertaining to the industrial software market.
- Updated financial information until 2023 (depending on availability) for each listed company helps in the easy analysis of the present status of the profiled companies in terms of their financial strength, profitability, key revenue-generating regions/countries, and the highest revenue-generating business segments.
- Recent developments that help assess market trends and growth strategies adopted by leading market players
- Key manufacturers offering industrial software; key 25 providers are categorized into star, pervasive, emerging leader, and participant companies based on their performance on various parameters such as product footprint, focus on product innovations and geographic footprint.
- Market share analysis of various players operating in the industrial software market for 2023
- Small- and medium-sized enterprises (SME) matrix that brief some business strategies and product offerings of 15 SME players operating in the market, which are classified into four groups: progressive, dynamic, responsive companies, and starting blocks
- Brief information regarding the competitive situations and trends in the industrial software market
- The product, application, and geographic footprints of the key 25 providers of industrial software market
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the industrial software market
- Market Development: Comprehensive information about lucrative markets - the report analyses the industrial software market across varied regions.
- Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the industrial software market
- Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like Siemens (Germany), Rockwell Automation (US), ABB (Switzerland), Emerson Electric Co. (US) and General Electric (US) among others in the industrial software market.

Table of Contents:

1	INTRODUCTION	23
1.1	STUDY OBJECTIVES	23
1.2	MARKET DEFINITION	23
1.3	STUDY SCOPE	24
1.3.1	MARKETS COVERED	24
1.3.2	INCLUSIONS AND EXCLUSIONS	25
1.3.3	REGIONAL SCOPE	25
1.3.4	YEARS CONSIDERED	26

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1.4	CURRENCY CONSIDERED	26
1.5	UNITS CONSIDERED	26
1.6	LIMITATIONS	26
1.7	STAKEHOLDERS	27
1.8	RECESSION IMPACT	27
2	RESEARCH METHODOLOGY	28
2.1	RESEARCH DATA	28
2.1.1	SECONDARY AND PRIMARY RESEARCH	30
2.1.2	SECONDARY DATA	30
2.1.2.1	List of key secondary sources	31
2.1.2.2	Key data from secondary sources	31
2.1.3	PRIMARY DATA	32
2.1.3.1	List of major primary interview participants	32
2.1.3.2	Breakdown of primaries	33
2.1.3.3	Key industry insights	33
2.1.3.4	Key data from primary sources	34
2.2	MARKET SIZE ESTIMATION	34
2.2.1	BOTTOM-UP APPROACH	35
2.2.1.1	Approach to estimate market size using bottom-up analysis	35
2.2.2	TOP-DOWN APPROACH	36
2.2.2.1	Approach to estimate market size using top-down analysis	36
2.3	MARKET BREAKDOWN AND DATA TRIANGULATION	38
2.4	RESEARCH ASSUMPTIONS	39
2.5	IMPACT OF RECESSION	39
2.6	RESEARCH LIMITATIONS	40
2.7	RISK ANALYSIS	40
3	EXECUTIVE SUMMARY	41
?		
4	PREMIUM INSIGHTS	44
4.1	ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN INDUSTRIAL SOFTWARE MARKET	44
4.2	INDUSTRIAL SOFTWARE MARKET, BY TECHNOLOGY	44
4.3	INDUSTRIAL SOFTWARE MARKET, BY END-USER INDUSTRY	45
4.4	INDUSTRIAL SOFTWARE MARKET, BY DISCRETE INDUSTRY	45
4.5	INDUSTRIAL SOFTWARE MARKET, BY REGION	46
5	MARKET OVERVIEW	47
5.1	INTRODUCTION	47
5.2	MARKET DYNAMICS	48
5.2.1	DRIVERS	48
5.2.1.1	Growing need for connected supply chain in manufacturing sector	48
5.2.1.2	Increasing importance of real-time data in performing process analysis and predictive maintenance	49
5.2.1.3	Integration of AI and ML into discrete and process industries	49
5.2.1.4	Government-led investments in AI, HMI, and IIoT	50
5.2.1.5	Increasing demand for fault detection and classification solutions	51
5.2.2	RESTRAINTS	52
5.2.2.1	High installation and maintenance costs	52
5.2.2.2	Complexities associated with integrating components with existing infrastructure	53
5.2.2.3	Requirement for high level of technical expertise	54

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5.2.3	OPPORTUNITIES	55
5.2.3.1	Integration of MES with enterprise resource planning and product lifecycle management solutions	55
5.2.3.2	Rising shift from on-premises to cloud-based SCADA systems	55
5.2.3.3	Increasing adoption of cloud services to store and analyze metrological data	55
5.2.4	CHALLENGES	56
5.2.4.1	Susceptibility to cyberattacks	56
5.2.4.2	High operational costs of 3D metrology systems	57
5.3	SUPPLY CHAIN ANALYSIS	58
5.4	ECOSYSTEM ANALYSIS	59
5.5	INVESTMENT AND FUNDING SCENARIO	60
5.6	PRICING ANALYSIS	61
5.6.1	INDICATIVE LICENSE/SUBSCRIPTION COST OF KEY PLAYERS	61
5.6.2	INDICATIVE LICENSE/SUBSCRIPTION COST, BY REGION	62
5.7	TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES	63
5.8	TECHNOLOGY ANALYSIS	64
5.8.1	KEY TECHNOLOGIES	64
5.8.1.1	IoT	64
5.8.1.2	Cloud computing	64
5.8.1.3	AI	64
5.8.1.4	Next-generation SCADA	65
5.8.2	COMPLEMENTARY TECHNOLOGIES	65
5.8.2.1	5G	65
5.8.3	ADJACENT TECHNOLOGIES	65
5.8.3.1	Next-generation HMI	65
5.9	PORTER'S FIVE FORCES ANALYSIS	66
5.9.1	BARGAINING POWER OF SUPPLIERS	67
5.9.2	BARGAINING POWER OF BUYERS	67
5.9.3	THREAT OF NEW ENTRANTS	67
5.9.4	THREAT OF SUBSTITUTES	68
5.9.5	INTENSITY OF COMPETITIVE RIVALRY	68
5.10	KEY STAKEHOLDERS AND BUYING CRITERIA	68
5.10.1	KEY STAKEHOLDERS IN BUYING PROCESS	68
5.10.2	BUYING CRITERIA	69
5.11	CASE STUDY ANALYSIS	70
5.11.1	ELMWOOD RECLAIMED TIMBER ADOPTED SIEMENS' APS SOLUTION TO IMPROVE DELIVERY TIMELINESS AND ELIMINATE MANUAL SCHEDULING ISSUES	70
5.11.2	PHARMA COMPANY DEPLOYED SIEMENS' MES OPCENTER EXECUTION DEVICE FOR AUTOMATED AND PAPERLESS MANUFACTURING	70
5.11.3	SAFRAN CERAMICS INSTALLED INFODREAM'S MES SOFTWARE TO MONITOR AND DIGITALIZE PRODUCTION PROCESSES	71
5.11.4	LONZA ACHIEVED COMPLIANCE WITH FDA REGULATIONS AND REDUCED DATA ENTRY ERRORS WITH ROCKWELL AUTOMATION'S FACTORYTALK PHARMASUITE	71
5.11.5	MADTREE BREWING AND THERMALTECH ENGINEERING CHOSE INDUCTIVE AUTOMATION'S IGNITION TO IMPROVE PRODUCTION AND ANALYSIS	72
5.11.6	OVARRO OFFERED EMS STREAM WEBCADA PLATFORM TO PROVIDE REAL-TIME INSIGHTS INTO MANUFACTURING PROCESSES	73
5.12	TRADE ANALYSIS	73
5.12.1	IMPORT DATA (HS CODE 903289)	74

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5.12.2	EXPORT DATA (HS CODE 903289)	74
5.13	PATENT ANALYSIS	75
5.14	KEY CONFERENCES AND EVENTS, 2024-2025	80
5.15	REGULATORY LANDSCAPE	81
5.15.1	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	82
5.15.2	MAJOR STANDARDS RELATED TO INDUSTRIAL SOFTWARE MARKET	84
5.15.3	REGULATIONS	85
6	EMERGING TRENDS IN INDUSTRIAL SOFTWARE MARKET	88
6.1	LATEST TRENDS IN INDUSTRIAL SOFTWARE MARKET	88
6.1.1	IOT	88
6.1.2	AI AND ML	88
6.1.3	DIGITAL TWINS	88
6.1.4	CLOUD COMPUTING	89
6.1.5	EDGE COMPUTING	89
6.1.6	CYBERSECURITY	89
6.1.7	SUSTAINABILITY AND GREEN MANUFACTURING	89
6.1.8	ADVANCED ROBOTICS AND AUTOMATION	89
6.1.9	5G CONNECTIVITY	89
6.1.10	BIG DATA ANALYTICS	90
6.1.11	USER-FRIENDLY INTERFACES AND CUSTOMIZATION	90
6.1.12	BLOCKCHAIN	90
7	INDUSTRIAL SOFTWARE MARKET, BY TECHNOLOGY	91
7.1	INTRODUCTION	92
7.2	MES	94
7.2.1	BY DEPLOYMENT	95
7.2.1.1	On-premises	95
7.2.1.1.1	Security concerns to boost deployment	95
7.2.1.2	On-demand	95
7.2.1.2.1	Reduced need for manual labor in IT departments to drive market	95
7.2.1.3	Hybrid	95
7.2.1.3.1	Ability to provide scalability, agility, and flexibility to business processes to foster segmental growth	95
7.3	SCADA	99
7.3.1	INCREASING NEED TO MANAGE CONFIDENTIAL DATA TO BOOST DEMAND	99
7.4	HMI	103
7.4.1	BY DEPLOYMENT	104
7.4.1.1	On-premises	104
7.4.1.1.1	Growing demand for low latency and robust data security to drive market	104
7.4.1.2	Cloud-based	104
7.4.1.2.1	Ability to provide virtual accessibility in remote monitoring to spur demand	104
7.5	AI IN MANUFACTURING	107
7.5.1	AI SOLUTIONS	108
7.5.1.1	By deployment	109
7.5.1.1.1	On-premises	109
7.5.1.1.1.1	Increasing focus on developing new cloud business models for NLP and ML tools to drive market	109
7.5.1.1.2	Cloud-based	109
7.5.1.1.2.1	Integration of NLP and ML tools with AI to drive market	109
7.5.2	AI PLATFORMS	110

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7.5.2.1	By platform type	110
7.5.2.1.1	Machine learning framework	110
7.5.2.1.1.1	Increasing collaborations among established players to offer lucrative growth opportunities	110
7.5.2.1.2	API	111
7.5.2.1.2.1	Ease of developing program with building blocks to boost demand	111
7.6	ROBOTIC SOFTWARE	114
7.6.1	BY TYPE	114
7.6.1.1	Simulation	114
7.6.1.1.1	Ability to offer virtual modeling, testing, and visualization of robotic systems to drive market	114
7.6.1.2	Predictive maintenance	114
7.6.1.2.1	Growing incorporation into robot software to prevent position deviation to boost demand	114
7.6.1.3	Communication management	115
7.6.1.3.1	Presence of centralized platform to control, monitor, and perform complex tasks effectively to spur demand	115
7.6.1.4	Data management and analysis	115
7.6.1.4.1	Increasing demand for multi-language support and data security to drive market	115
7.6.1.5	Recognition	115
7.6.1.5.1	Pressing need to address language- and dialog-related challenges to accelerate demand	115
7.7	FAULT DETECTION AND CLASSIFICATION	119
7.7.1	RIISING CRITICALITY OF INFRASTRUCTURE SYSTEMS TO FOSTER SEGMENTAL GROWTH	119
7.8	INDUSTRIAL METROLOGY	122
7.8.1	ABILITY TO FACILITATE REAL-TIME COLLABORATION AMONG MULTIPLE USERS TO DRIVE DEMAND	122
8	INDUSTRIAL SOFTWARE MARKET, BY END-USER INDUSTRY	126
8.1	INTRODUCTION	127
8.2	PROCESS INDUSTRIES	128
8.2.1	FOOD & BEVERAGES	131
8.2.1.1	Growing demand for processed food among expanding population to boost demand	131
8.2.2	OIL & GAS	132
8.2.2.1	Improved decision-making through comprehensive data insights to accelerate demand	132
8.2.3	CHEMICAL	133
8.2.3.1	Rising reliance of chemical manufacturers on automated solutions to fuel market growth	133
8.2.4	PHARMACEUTICALS	133
8.2.4.1	Pressing need for infection-free environment to drive market	133
8.2.5	ENERGY & POWER	134
8.2.5.1	Growing industrialization to spur demand	134
?		
8.2.6	WATER & WASTEWATER TREATMENT	135
8.2.6.1	Increasing need to tackle sewage and wastewater challenges to foster segmental growth	135
8.2.7	OTHER PROCESS INDUSTRIES	135
8.3	DISCRETE INDUSTRIES	135
8.3.1	AUTOMOTIVE	138
8.3.1.1	Ability to identify manufacturing and maintenance issues to drive demand	138
8.3.2	AEROSPACE	138
8.3.2.1	Increasing focus on improving product quality and shortening production cycle to fuel market growth	138
8.3.3	ELECTRONICS & SEMICONDUCTORS	139
8.3.3.1	Rising data volume from manufacturing value chain to accelerate demand	139
8.3.4	OTHER DISCRETE INDUSTRIES	140
9	INDUSTRIAL SOFTWARE MARKET, BY REGION	141

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9.1	INTRODUCTION	142
9.2	NORTH AMERICA	144
9.2.1	RECESSION IMPACT ON INDUSTRIAL SOFTWARE MARKET IN NORTH AMERICA	144
9.2.2	US	147
9.2.2.1	Government-led initiatives to develop manufacturing technologies to boost demand	147
9.2.3	CANADA	147
9.2.3.1	Increasing adoption of SCADA, AI, and IIoT in manufacturing sector to drive demand	147
9.2.4	MEXICO	148
9.2.4.1	Thriving manufacturing sector to fuel market growth	148
9.3	EUROPE	149
9.3.1	RECESSION IMPACT ON INDUSTRIAL SOFTWARE MARKET IN EUROPE	149
9.3.2	UK	152
9.3.2.1	Growing number of startups and SMEs to offer lucrative growth opportunities	152
9.3.3	GERMANY	152
9.3.3.1	Rising demand for remote monitoring in automobile companies to drive market	152
9.3.4	FRANCE	153
9.3.4.1	Increasing emphasis on modernizing production systems and developing advanced production processes to spur demand	153
9.3.5	REST OF EUROPE	153
9.4	ASIA PACIFIC	154
9.4.1	RECESSION IMPACT ON INDUSTRIAL SOFTWARE MARKET IN ASIA PACIFIC	154
9.4.2	CHINA	157
9.4.2.1	Government-led initiatives to develop IIoT capabilities in semiconductor and manufacturing sectors to accelerate demand	157
9.4.3	JAPAN	158
9.4.3.1	Introduction of Society 5.0 to offer lucrative growth opportunities	158
9.4.4	SOUTH KOREA	158
9.4.4.1	Thriving manufacturing sector to drive market	158
9.4.5	REST OF ASIA PACIFIC	159
9.5	ROW	159
9.5.1	RECESSION IMPACT ON INDUSTRIAL SOFTWARE MARKET IN ROW	159
9.5.2	SOUTH AMERICA	161
9.5.2.1	Growing adoption of IoT-based devices in manufacturing sector to foster market growth	161
9.5.3	MIDDLE EAST & AFRICA	162
9.5.3.1	Rising focus of oil & gas companies on improving productivity and reducing waste to spike demand	162
9.5.3.2	GCC	163
9.5.3.3	Africa & Rest of Middle East	163
10	COMPETITIVE LANDSCAPE	165
10.1	OVERVIEW	165
10.2	KEY PLAYER STRATEGIES/RIGHT TO WIN, 2019-2024	165
10.3	MARKET SHARE ANALYSIS, 2023	166
10.4	REVENUE ANALYSIS, 2019-2023	168
10.5	COMPANY VALUATION AND FINANCIAL METRICS	169
10.6	BRAND/PRODUCT COMPARISON	170
10.7	COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023	171
10.7.1	STARS	171

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10.7.2	EMERGING LEADERS	171
10.7.3	PERVASIVE PLAYERS	171
10.7.4	PARTICIPANTS	171
10.7.5	COMPANY FOOTPRINT: KEY PLAYERS, 2023	173
10.7.5.1	Company footprint	173
10.7.5.2	Deployment footprint	174
10.7.5.3	End-user industry footprint	175
10.7.5.4	Region footprint	176
10.8	COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2023	177
10.8.1	PROGRESSIVE COMPANIES	177
10.8.2	RESPONSIVE COMPANIES	177
10.8.3	DYNAMIC COMPANIES	177
10.8.4	STARTING BLOCKS	177
10.8.5	COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2023	179
10.8.5.1	Detailed list of key startups/SMEs	179
10.8.5.2	Competitive benchmarking of key startups/SMEs	180
10.9	COMPETITIVE SCENARIO AND TRENDS	180
10.9.1	PRODUCT LAUNCHES/DEVELOPMENTS	180
10.9.2	DEALS	182
10.9.3	OTHERS	184
11	COMPANY PROFILES	185
11.1	KEY PLAYERS	185
11.1.1	SIEMENS	185
11.1.1.1	Business overview	185
11.1.1.2	Products/Solutions/Services offered	187
11.1.1.3	Recent developments	189
11.1.1.3.1	Product launches/Developments	189
11.1.1.3.2	Deals	192
11.1.1.4	MnM view	193
11.1.1.4.1	Key strengths/Right to win	193
11.1.1.4.2	Strategic choices	193
11.1.1.4.3	Weaknesses/Competitive threats	193
11.1.2	SAP	194
11.1.2.1	Business overview	194
11.1.2.2	Products/Solutions/Services offered	195
11.1.2.3	Recent developments	197
11.1.2.3.1	Deals	197
11.1.2.4	MnM view	197
11.1.2.4.1	Key strengths/Right to win	197
11.1.2.4.2	Strategic choices	197
11.1.2.4.3	Weaknesses/Competitive threats	197
11.1.3	ROCKWELL AUTOMATION	198
11.1.3.1	Business overview	198
11.1.3.2	Products/Solutions/Services offered	199
11.1.3.3	Recent developments	201
11.1.3.3.1	Product launches/Developments	201
11.1.3.3.2	Deals	202

- 11.1.3.3.3 Others 203
- 11.1.3.4 MnM view 203
- 11.1.3.4.1 Key strengths/Right to win 203
- 11.1.3.4.2 Strategic choices 203
- 11.1.3.4.3 Weaknesses/Competitive threats 204
- ?
- 11.1.4 HONEYWELL INTERNATIONAL INC. 205
- 11.1.4.1 Business overview 205
- 11.1.4.2 Products/Solutions/Services offered 206
- 11.1.4.3 Recent developments 207
- 11.1.4.3.1 Deals 207
- 11.1.4.4 MnM view 207
- 11.1.4.4.1 Key strengths/Right to win 207
- 11.1.4.4.2 Strategic choices 207
- 11.1.4.4.3 Weaknesses/Competitive threats 207
- 11.1.5 ABB 208
- 11.1.5.1 Business overview 208
- 11.1.5.2 Products/Solutions/Services offered 210
- 11.1.5.3 Recent developments 212
- 11.1.5.3.1 Product launches/Developments 212
- 11.1.5.3.2 Deals 212
- 11.1.5.4 MnM view 213
- 11.1.5.4.1 Key strengths/Right to win 213
- 11.1.5.4.2 Strategic choices 213
- 11.1.5.4.3 Weaknesses/Competitive threats 213
- 11.1.6 GENERAL ELECTRIC COMPANY 214
- 11.1.6.1 Business overview 214
- 11.1.6.2 Products/Solutions/Services offered 215
- 11.1.6.3 Recent developments 216
- 11.1.6.3.1 Product launches/Developments 216
- 11.1.6.3.2 Deals 218
- 11.1.7 OMRON CORPORATION 219
- 11.1.7.1 Business overview 219
- 11.1.7.2 Products/Solutions/Services offered 220
- 11.1.7.3 Recent developments 221
- 11.1.7.3.1 Product launches/Developments 221
- 11.1.7.3.2 Deals 222
- 11.1.8 ORACLE 223
- 11.1.8.1 Business overview 223
- 11.1.8.2 Products/Solutions/Services offered 224
- 11.1.9 MITSUBISHI ELECTRIC CORPORATION 225
- 11.1.9.1 Business overview 225
- 11.1.9.2 Products/Solutions/Services offered 227
- 11.1.9.3 Recent developments 228
- 11.1.9.3.1 Product launches/Developments 228
- 11.1.9.3.2 Deals 228
- ?

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11.1.10	HEXAGON AB	230
11.1.10.1	Business overview	230
11.1.10.2	Products/Solutions/Services offered	231
11.1.10.3	Recent developments	233
11.1.10.3.1	Product launches/Developments	233
11.1.10.3.2	Deals	237
11.2	OTHER PLAYERS	241
11.2.1	42Q	241
11.2.2	DASSAULT SYSTEMES	242
11.2.3	RENISHAW PLC	243
11.2.4	NIKON CORPORATION	244
11.2.5	EPICOR SOFTWARE CORPORATION	245
11.2.6	YOKOGAWA ELECTRIC CORPORATION	246
11.2.7	APPLIED MATERIALS, INC.	247
11.2.8	SPARKCOGNITION	248
11.2.9	AIBRAIN INC.	249
11.2.10	COGNEX CORPORATION	250
11.2.11	EMERSON ELECTRIC CO.	251
11.2.12	MICROSOFT	252
11.2.13	TELEDYNE TECHNOLOGIES INCORPORATED	253
11.2.14	SCHNEIDER ELECTRIC	254
11.2.15	GOOGLE	256
12	APPENDIX	257
12.1	INSIGHTS FROM INDUSTRY EXPERTS	257
12.2	DISCUSSION GUIDE	257
12.3	KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL	260
12.4	CUSTOMIZATION OPTIONS	262
12.5	RELATED REPORTS	262
12.6	AUTHOR DETAILS	263

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