

Smart Robots - Company Evaluation Report, 2025

Market Report | 2025-08-01 | 134 pages | MarketsandMarkets

AVAILABLE LICENSES:

- Single User \$2650.00
- Corporate License \$4250.00

Report description:

The Smart Robots Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Smart Robots. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and industry trends. MarketsandMarkets 360 Quadrants evaluated over 101 companies, of which the Top 17 Smart Robots Companies were categorized and recognized as quadrant leaders.

Smart robots are automated machines distinguished by their use of sensors and network connectivity to perform tasks with a degree of autonomy and adaptability. Unlike traditional industrial robots that are rigidly programmed for a single, repetitive motion, smart robots can perceive their surroundings and modify their actions accordingly. This category includes collaborative robots (cobots) designed to work safely alongside humans, autonomous mobile robots (AMRs) that navigate dynamic warehouse floors, and connected consumer devices that perform domestic chores like vacuuming.

The market for smart robots is fueled by the intense pressure on businesses to increase productivity and efficiency while addressing labor shortages and rising wages. In manufacturing and logistics, smart robots are deployed to automate material handling, assembly, and order fulfillment. The development of more intuitive programming interfaces and built-in safety features has made them accessible to small and medium-sized enterprises that previously could not afford automation. The rapid growth of e-commerce has created an insatiable demand for robotic solutions to speed up warehouse operations and meet consumer expectations.

However, significant challenges remain. The initial capital expenditure for smart robotic systems, while decreasing, can still be substantial. Integrating these robots with existing enterprise resource planning (ERP) and warehouse management systems (WMS) to ensure seamless data flow can be a complex technical task. As these robots are connected to networks, they present a potential cybersecurity risk if not properly secured against hacking. Moreover, the adoption of smart robotics necessitates a shift in the workforce, requiring upskilling and training to manage, maintain, and work alongside these new automated systems.

The 360 Quadrant maps the Smart Robots companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the Smart Robots quadrant. The top criteria for product footprint evaluation included Component [Hardware (Sensors [Gyroscopes, Microphones, Accelerometers, Tilt Sensors, Force/Torque Sensors, Position Sensors, Vision/Image Sensors, Other Sensor Types (Temperature, Touch/Haptic, Fingerprint, Gas, Magnetic Field, Proximity and Facial Recognition, and Light Sensors)], Actuators [Electrical, Pneumatic, Hydraulic, Piezoelectric, Ultrasonic], Power Sources, Control Systems, Processors [MPUs, GPUs, FPGAs, ASICs], Controllers, Other Hardware Components [Body Materials and Electronic, Electrical, and Mechanical Components]), Software], Application [Personal & Domestic (Companionship,

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Education & Entertainment [Smart Toys, Robotic Pets], Domestic [Vacuum and Floor Cleaning, Lawn Mowing, Pool Cleaning], Other Personal & Domestic Applications [Elderly & Disability Assistance and Home Security & Surveillance]), Professional (Military & Defense [Spying, Search & Rescue Operations, Border Security, Combat Operations], Law Enforcement [Patrolling, Riot Control], Public Relations, Logistics Management [Pick & Place, Sorting], Industrial [Manufacturing, Material Handling], Inspection & Maintenance, Field/Agriculture, Healthcare Assistance, Other Professional Applications [Construction Robots and Robotic Kitchen & Laundry Robots]), Mobility (Stationary and Mobile), Type (Industrial Robots and Service Robots), Operating Environment (Ground and Underwater).

Key Players:

Major vendors in the Smart Robots market are iRobot Corporation (US), SoftBank Robotics Group (Japan), ABB (Switzerland), KUKA AG (Germany), FANUC CORPORATION (Japan), Yaskawa Electric Corporation (Japan), Amazon.com, Inc (US), Hanson Robotics Ltd. (US), Blue Frog Robotics (France), Kongsberg Maritime (Norway), Universal Robots A/S (Denmark), ECA GROUP (France), DeLaval (Sweden), Intuitive Surgical (US), Neato Robotics, Inc. (US), General Dynamics Mission Systems, Inc. (US), Rethink Robotics (US), Aethon, Inc. (US), SAMSUNG (South Korea), and GeckoSystems (US). The key strategies major vendors implement in the Smart Robots market are partnerships, collaborations, product launches, and product enhancements.

iRobot Corporation

iRobot is a global leader in consumer robotics, best known for pioneering the market with its iconic Roomba robot vacuum and Braava robot mop. Following the termination of its planned acquisition by Amazon, the company is executing a major strategic restructuring focused on improving profitability and driving innovation. Its core strategy now centers on leveraging its advanced iRobot OS software and AI-powered navigation to deliver a superior, differentiated user experience. By streamlining operations and focusing on its core technology, iRobot aims to defend its market share against fierce competition and reaffirm its leadership.

SoftBank Robotics Group

SoftBank Robotics Group is a global developer of robotic solutions, widely recognized for its humanoid robots, Pepper and Nao. However, the company's strategic focus has pivoted significantly towards more practical, commercially viable applications. Its primary commercial success is now driven by Whiz, an autonomous vacuum cleaner for commercial spaces, and other service automation solutions. The company's strategy is to provide targeted robotics-as-a-service (RaaS) solutions for industries like cleaning and logistics, moving away from general-purpose humanoids. This pragmatic approach aims to build a sustainable business model in the competitive service robotics market.

ABB

ABB is a leading global technology company with a powerhouse Robotics & Discrete Automation business. While also a leader in Electrification, Motion, and Process Automation, its robotics division is at the forefront of industrial transformation. ABB provides a vast portfolio of industrial and collaborative robots, along with advanced software and AI-driven solutions for factories of the future. The company's strategy is to push automation into new sectors like healthcare and logistics, while enhancing its offerings for traditional industries like automotive. This focus solidifies ABB's position as a key architect of modern, productive, and resilient manufacturing.

Table of Contents:

1	INTRODUCTION	11
1.1	MARKET DEFINITION	11
1.2	INCLUSIONS AND EXCLUSIONS	11
1.3	STAKEHOLDERS	12
2	EXECUTIVE SUMMARY	13
3	MARKET OVERVIEW	17
3.1	INTRODUCTION	17
3.2	MARKET DYNAMICS	17
3.2.1	DRIVERS	18
3.2.1.1	Growing adoption of AI- and advanced sensor technology-enabled robots in newer applications	18
3.2.1.2	Rising deployment of IoT-integrated robots to ensure cost-efficient predictive maintenance	18

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 3.2.1.3 Increasing government investments in advanced robotics development 19
- 3.2.1.4 Surging demand for automation in manufacturing to improve productivity and reduce human errors 19
- 3.2.2 RESTRAINTS 21
 - 3.2.2.1 Data privacy and cybersecurity concerns and lack of standardized regulatory framework 21
 - 3.2.2.2 Workforce resistance due to job displacement concerns 22
- 3.2.3 OPPORTUNITIES 22
 - 3.2.3.1 Growing adoption of smart robots for elderly care, disability assistance, and companionship 22
 - 3.2.3.2 Advancements in swarm intelligence enabling robots to execute complex tasks with ease 23
 - 3.2.3.3 Rising demand for cobots in human-robot work environments 23
- 3.2.4 CHALLENGES 24
 - 3.2.4.1 Technical and environmental barriers restricting deployment in critical applications 24
- 3.3 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS 25
- 3.4 PRICING ANALYSIS 26
 - 3.4.1 INDICATIVE PRICING OF SMART ROBOTS OFFERED FOR DOMESTIC APPLICATIONS, BY KEY PLAYER 2024 (USD) 26
 - 3.4.2 INDICATIVE PRICING OF SMART ROBOTS OFFERED FOR DIFFERENT APPLICATIONS, BY KEY PLAYER, 2024 (USD) 27
 - 3.4.3 AVERAGE SELLING PRICE TREND OF DOMESTIC ROBOTS, BY REGION, 2021-2024 (USD) 28
- 3.5 VALUE CHAIN ANALYSIS 29
- 3.6 ECOSYSTEM ANALYSIS 31
- 3.7 TECHNOLOGY ANALYSIS 34
 - 3.7.1 KEY TECHNOLOGIES 34
 - 3.7.1.1 Artificial intelligence and machine learning 34
 - 3.7.1.2 Robotics operating system 35
 - 3.7.2 COMPLEMENTARY TECHNOLOGIES 35
 - 3.7.2.1 Telepresence 35
 - 3.7.2.2 Human-machine interface 36
 - 3.7.3 ADJACENT TECHNOLOGIES 36
 - 3.7.3.1 IoT 36
 - 3.7.3.2 Cloud computing 36
- 3.8 PATENT ANALYSIS 37
- 3.9 PORTER'S FIVE FORCES ANALYSIS 39
 - 3.9.1 THREAT OF NEW ENTRANTS 40
 - 3.9.2 THREAT OF SUBSTITUTES 41
 - 3.9.3 BARGAINING POWER OF SUPPLIERS 41
 - 3.9.4 BARGAINING POWER OF BUYERS 41
 - 3.9.5 INTENSITY OF COMPETITION RIVALRY 42
- 3.10 IMPACT OF AI/GENERATIVE AI ON SMART ROBOTS MARKET 42
- 4 COMPETITIVE LANDSCAPE 44
 - 4.1 OVERVIEW 44
 - 4.2 KEY PLAYER STRATEGIES/RIGHT TO WIN, 2020-2025 44

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

4.3	REVENUE ANALYSIS, 2022-2024	46
4.4	MARKET SHARE ANALYSIS, 2024	46
4.5	COMPANY VALUATION AND FINANCIAL METRICS	50
4.6	FINANCIAL METRICS	50
4.7	BRAND COMPARISON	51
4.8	COMPANY EVALUATION MATRIX: KEY PLAYERS, 2024	52
4.8.1	STARS	52
4.8.2	EMERGING LEADERS	52
4.8.3	PERVASIVE PLAYERS	52
4.8.4	PARTICIPANTS	52
4.8.5	COMPANY FOOTPRINT: KEY PLAYERS, 2024	54
4.8.5.1	Company footprint	54
4.8.5.2	Region footprint	55
4.8.5.3	Component footprint	56
4.8.5.4	Type footprint	57
4.8.5.5	Mobility footprint	58
4.8.5.6	Application footprint	59
4.9	COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2024	60
4.9.1	PROGRESSIVE COMPANIES	60
4.9.2	RESPONSIVE COMPANIES	60
4.9.3	DYNAMIC COMPANIES	60
4.9.4	STARTING BLOCKS	60
4.9.5	COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2024	62
4.9.5.1	Detailed list of key startups/SMEs	62
4.9.5.2	Competitive benchmarking of key startups/SMEs	63
4.10	COMPETITIVE SCENARIO	63
4.10.1	PRODUCT LAUNCHES	63
4.10.2	DEALS	65
5	COMPANY PROFILES	67
5.1	KEY PLAYERS	67
5.1.1	ROBOT CORPORATION	67
5.1.1.1	Business overview	67
5.1.1.2	Products/Solutions/Services offered	69
5.1.1.3	Recent developments	70
5.1.1.3.1	Product launches	70
5.1.1.4	MnM view	70
5.1.1.4.1	Key strengths/Right to win	70
5.1.1.4.2	Strategic choices	70
5.1.1.4.3	Weaknesses/Competitive threats	71
5.1.2	SOFTBANK ROBOTICS GROUP	72
5.1.2.1	Business overview	72
5.1.2.2	Products/Solutions/Services offered	72
5.1.2.3	Recent developments	73
5.1.2.3.1	Product launches	73
5.1.2.3.2	Deals	74
5.1.2.4	MnM view	74
5.1.2.4.1	Key strengths/Right to win	74

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.1.2.4.2	Strategic choices	75
5.1.2.4.3	Weaknesses/Competitive threats	75
5.1.3	ABB	76
5.1.3.1	Business overview	76
5.1.3.2	Products/Solutions/Services offered	78
5.1.3.3	Recent developments	79
5.1.3.3.1	Product launches	79
5.1.3.3.2	Deals	80
5.1.3.3.3	Expansions	82
5.1.3.4	MnM view	83
5.1.3.4.1	Key strengths/Right to win	83
5.1.3.4.2	Strategic choices	83
5.1.3.4.3	Weaknesses/Competitive threats	83
?		
5.1.4	KUKA AG	84
5.1.4.1	Business overview	84
5.1.4.2	Products/Solutions/Services offered	86
5.1.4.3	Recent developments	87
5.1.4.3.1	Product launches	87
5.1.4.3.2	Deals	89
5.1.4.4	MnM view	90
5.1.4.4.1	Key strengths/Right to win	90
5.1.4.4.2	Strategic choices	90
5.1.4.4.3	Weaknesses/Competitive threats	90
5.1.5	FANUC CORPORATION	91
5.1.5.1	Business overview	91
5.1.5.2	Products/Solutions/Services offered	92
5.1.5.3	Recent developments	94
5.1.5.3.1	Product launches	94
5.1.5.3.2	Deals	95
5.1.5.3.3	Expansions	95
5.1.5.3.4	Other developments	96
5.1.5.4	MnM view	96
5.1.5.4.1	Key strengths/Right to win	96
5.1.5.4.2	Strategic choices	96
5.1.5.4.3	Weaknesses/Competitive threats	97
5.1.6	YASKAWA ELECTRIC CORPORATION	98
5.1.6.1	Business overview	98
5.1.6.2	Products/Solutions/Services offered	99
5.1.6.3	Recent developments	100
5.1.6.3.1	Product launches	100
5.1.6.3.2	Deals	100
5.1.6.3.3	Expansions	101
5.1.6.4	MnM view	102
5.1.6.4.1	Key strengths/Right to win	102
5.1.6.4.2	Strategic choices	102
5.1.6.4.3	Weaknesses/Competitive threats	102

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.1.7	AMAZON.COM, INC.	103
5.1.7.1	Business overview	103
5.1.7.2	Products/Solutions/Services offered	105
5.1.7.3	Recent developments	105
5.1.7.3.1	Product launches	105
5.1.8	HANSON ROBOTICS LTD.	106
5.1.8.1	Business overview	106
5.1.8.2	Products/Solutions/Services offered	106
	?	
5.1.8.3	Recent developments	107
5.1.8.3.1	Deals	107
5.1.9	BLUE FROG ROBOTICS	108
5.1.9.1	Business overview	108
5.1.9.2	Products/Solutions/Services offered	108
5.1.10	KONGSBERG MARITIME	109
5.1.10.1	Business overview	109
5.1.10.2	Products/Solutions/Services offered	111
5.1.10.3	Recent developments	111
5.1.10.3.1	Deals	111
5.2	OTHER PLAYERS	112
5.2.1	UNIVERSAL ROBOTS A/S	112
5.2.2	ECA GROUP	113
5.2.3	DELAVAL	114
5.2.4	INTUITIVE SURGICAL	115
5.2.5	NEATO ROBOTICS, INC.	116
5.2.6	GENERAL DYNAMICS MISSION SYSTEMS, INC.	117
5.2.7	RETHINK ROBOTICS	118
5.2.8	AETHON, INC.	119
5.2.9	SAMSUNG	120
5.2.10	GECKOSYSTEMS	121
5.2.11	SMART ROBOTICS	122
5.2.12	RAPID ROBOTICS	123
5.2.13	ANYBOTICS	124
5.2.14	SOTA ROBOTICS (HK) LIMITED	125
5.2.15	VECNA ROBOTICS	126
6	APPENDIX	127
6.1	RESEARCH METHODOLOGY	127
6.1.1	RESEARCH DATA	127
6.1.1.1	Secondary data	128
6.1.1.2	Primary data	129
6.1.2	RESEARCH ASSUMPTIONS	130
6.1.3	RESEARCH LIMITATIONS	130
6.1.4	RISK ANALYSIS	131
6.2	COMPANY EVALUATION MATRIX: METHODOLOGY	131
6.3	AUTHOR DETAILS	134

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Smart Robots - Company Evaluation Report, 2025

Market Report | 2025-08-01 | 134 pages | MarketsandMarkets

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scott's-international.com

ORDER FORM:

Select license	License	Price
	Single User	\$2650.00
	Corporate License	\$4250.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scott's-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-09"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scott's-international.com

www.scott's-international.com