

Collaborative Robot - Company Evaluation Report, 2025

Market Report | 2025-08-01 | 131 pages | MarketsandMarkets

AVAILABLE LICENSES:

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

Report description:

The Collaborative Robot Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Collaborative Robot. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and emerging trends shaping the industry. MarketsandMarkets 360 Quadrants evaluated over 120 companies, of which the Top 17 Collaborative Robot Companies were categorized and recognized as the quadrant leaders. Collaborative industrial robots, which work alongside human operators in industrial environments, are categorized by the International Federation of Robotics (IFR) into two distinct groups based on their collaborative design. The first group includes robots that comply with ISO 10218-1, an international standard specifying safety requirements for the design, protective measures, and usage guidelines of industrial robots intended for collaborative applications. The second group consists of robots designed for collaborative use but not certified under ISO 10218-1. These robots may follow alternative safety frameworks, such as national or proprietary (in-house) standards, while still maintaining safe operational performance.

It's important to note that robots intended for human interaction outside industrial settings-such as in healthcare, food services, or public environments-are governed by separate ISO standards and are not included in the collaborative industrial robot data reported by the IFR.

The 360 Quadrant maps the Collaborative Robot companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the Collaborative Robot quadrant. The top criteria for product footprint evaluation included by Payload (Less than 5 kg, 5-10 kg, 11-25 kg, More than 25 kg), Component (Hardware and Software), Industry (Automotive, Electronics, Metals & Machining, Plastics & Polymers, Food & Beverages, Furniture & Equipment, Healthcare, Logistics, Other Industries), Application (Handling, Assembling & Disassembling, Welding & Soldering, Dispensing, Processing, Other Applications).

Key Players:

Some of the prominent players are Universal Robots A/S (Denmark), FANUC Corporation (Japan), ABB (Switzerland), Techman Robot (Taiwan), KUKA AG (Germany), Doosan Robotics Inc. (South Korea), DENSO Corporation (Japan), YASKAWA ELECTRIC CORPORATION (Japan), AUBO (Beijing) Robotics Technology Co., Ltd. (China), and Rethink Robotics GmbH (Germany). Other players include Siasun Robot & Automation Co., Ltd. (China), Franka Emika GmbH (Germany), Comau S.p.A. (Italy), F&P Robotics AG (Switzerland), Staubli International AG (Switzerland), Bosch Rexroth AG (Germany), Productive Robotics, LLC (US), NEURA Robotics GmbH (Germany), Elephant Robotics (China), Elite Robots (China), Kassow Robots (Denmark), Hanwa Corporation (South Korea), Omron Adept Technologies, Inc. (US), Wyzo (Switzerland), MIP Robotics (France), Kawasaki Heavy Industries, Ltd. (US),

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Dobot (China), JAKA Robotics (China), and Huiling Tech (China). These players are increasingly focusing on product launches and enhancements, investments, partnerships, collaborations, joint ventures, funding, acquisitions, expansions, agreements, sales contracts, and alliances to strengthen their presence in the global market.

Top 3 Companies

FANUC Corporation

FANUC Corporation is a global leader in factory automation (FA), specializing in core technologies such as numerical controls (NCs), servo systems, and lasers, which are integrated into a broad array of robots and robomachines. The company leverages IoT and AI technologies across its product lines-FA, Robots, and Robomachines-to enhance operational efficiency and utilization for its customers. FANUC's product portfolio includes CNC systems, industrial and collaborative robots, servo motors, lasers, and various specialized applications. Its robomachine lineup features the ROBODRILL (compact machining center), ROBOCUT (wire EDM), and ROBOSHOT (electric injection molding machine), offering comprehensive manufacturing automation solutions.

Doosan Robotics Inc.

Doosan Robotics Inc., a subsidiary of the South Korea-based Doosan Group, focuses exclusively on the design and production of collaborative robots. Headquartered in South Korea, the company houses an R&D center, innovation lab, and prototyping facility.

Doosan Group, a Fortune Global 500 company established in 1896, operates 36 subsidiaries globally.

Doosan Robotics benefits from the group's extensive internal resources, incorporating precision machining and control technologies from its machine tools business, engineering expertise from its construction and industrial vehicle units, and robotic design capabilities from SD Mecatec, a domestic Cartesian robot manufacturer. In 2018, the company launched the M Series of collaborative robots, which includes four models differentiated by payload capacity and arm reach.

Staubli International AG

Staubli International AG is a Swiss mechatronics solutions provider with operations spanning four divisions: Electrical Connectors, Fluid Connectors, Robotics, and Textile. The Robotics division offers a wide range of automation solutions, including industrial robots, mobile robots, AGV forklifts, collaborative robots (cobots), AGV platforms, and digital systems.

Staubli serves diverse industries such as renewable energy, power distribution, industrial machinery, e-mobility, aerospace, medical devices, logistics, welding automation, and railway systems. The company entered the robotics space with the acquisition of Unimation Inc. (U.S.) in 1989, followed by the acquisition of Bosch Rexroth's robot division in 2004, which introduced its 4-axis SCARA robots. Its TX2touch POWER series of collaborative robots are unique in their ability to use NSF H1 food-grade oil without sacrificing performance. Equipped with in-house developed JCS gearboxes, these cobots offer extended durability and minimal maintenance. With payload capacities ranging from 2 to 25 kg, they feature a touch-sensitive safety skin and are the only collaborative robots on the market certified to the SIL3/PLe safety standard. The CS9 controller provides advanced control and safety functionality. In 2018, Staubli further strengthened its capabilities in autonomous solutions with the acquisition of WFT GmbH & Co. KG (Germany), enabling the integration of cobots with AGVs.

Table of Contents:

1	INTRODUCTION	11
1.1	MARKET DEFINITION	11
1.2	STAKEHOLDERS	11
2	EXECUTIVE SUMMARY	12
3	MARKET OVERVIEW	16
3.1	INTRODUCTION	16
3.2	MARKET DYNAMICS	16
3.2.1	DRIVERS	17
3.2.1.1	Higher return on investment than traditional industrial robotic systems	17
3.2.1.2	Increased demand in e-commerce and logistics sectors	19
3.2.1.3	Significant benefits for businesses of all sizes	20
3.2.1.4	Easy programming of cobots	21
3.2.2	RESTRAINTS	22

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

3.2.2.1	Higher preference for low-payload-capacity robots in heavy-duty industrial applications	22
3.2.3	OPPORTUNITIES	23
3.2.3.1	Increasing focus of automation experts on pairing robotic arms with mobile platforms	23
3.2.3.2	Growing number of subscriptions for Robotics-as-a-Service model	24
3.2.3.3	Rising demand for automation in healthcare industry	25
3.2.4	CHALLENGES	26
3.2.4.1	Inherent payload and speed limitations	26
3.2.4.2	Difficulties in adapting to new standards and cybersecurity challenges related to connected robots	27
4	MARKET OVERVIEW	28
4.1	TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS	28
4.2	VALUE CHAIN ANALYSIS	29
4.3	ECOSYSTEM ANALYSIS	32
4.4	TECHNOLOGY ANALYSIS	34
4.4.1	KEY TECHNOLOGIES	34
4.4.1.1	Integration of embedded vision with collaborative robots	34
4.4.1.2	Pairing of collaborative robots with mobile platforms	35
4.4.2	COMPLEMENTARY TECHNOLOGIES	36
4.4.2.1	Penetration of IIoT and AI in industrial manufacturing	36
4.4.2.2	Adoption of innovative grippers in robotics manipulation	36
	?	
4.4.3	ADJACENT TECHNOLOGIES	37
4.4.3.1	Penetration of 5G in industrial manufacturing	37
4.5	PATENT ANALYSIS	38
4.6	KEY CONFERENCES AND EVENTS, 2025-2026	40
4.7	PORTER'S FIVE FORCES ANALYSIS	42
4.7.1	THREAT OF NEW ENTRANTS	42
4.7.2	THREAT OF SUBSTITUTES	43
4.7.3	BARGAINING POWER OF SUPPLIERS	43
4.7.4	BARGAINING POWER OF BUYERS	43
4.7.5	INTENSITY OF COMPETITIVE RIVALRY	43
4.8	IMPACT OF AI ON COLLABORATIVE ROBOT MARKET	43
4.8.1	INTRODUCTION	43
5	COMPETITIVE LANDSCAPE	45
5.1	OVERVIEW	45
5.2	KEY PLAYERS' STRATEGIES/RIGHT TO WIN, 2021-2025	45
5.3	REVENUE ANALYSIS	47
5.4	MARKET SHARE ANALYSIS, 2024	48
5.5	COMPANY VALUATION AND FINANCIAL METRICS	50
5.6	BRAND/PRODUCT COMPARISON	51
5.7	COMPANY EVALUATION MATRIX: KEY PLAYERS, 2024	52
5.7.1	STARS	52
5.7.2	EMERGING LEADERS	52
5.7.3	PERVASIVE PLAYERS	52
5.7.4	PARTICIPANTS	52
5.7.5	COMPANY FOOTPRINT: KEY PLAYERS, 2024	54
5.7.5.1	Company footprint	54
5.7.5.2	Region footprint	54

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 5.7.5.3 Payload footprint 55
- 5.7.5.4 Application footprint 56
- 5.7.5.5 Industry footprint 57
- 5.8 COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2024 58
 - 5.8.1 PROGRESSIVE COMPANIES 58
 - 5.8.2 RESPONSIVE COMPANIES 58
 - 5.8.3 DYNAMIC COMPANIES 58
 - 5.8.4 STARTING BLOCKS 58
 - 5.8.5 COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2024 60
 - 5.8.5.1 Detailed list of key startups/SMEs 60
 - 5.8.5.2 Competitive benchmarking of key startups/SMEs 61
- 5.9 COMPETITIVE SCENARIO 62
 - 5.9.1 PRODUCT LAUNCHES 62
 - 5.9.2 DEALS 64
 - 5.9.3 EXPANSIONS 65
- 6 COMPANY PROFILES 67
 - 6.1 INTRODUCTION 67
 - 6.2 KEY PLAYERS 67
 - 6.2.1 UNIVERSAL ROBOTS A/S 67
 - 6.2.1.1 Business overview 67
 - 6.2.1.2 Products/Solutions/Services offered 68
 - 6.2.1.3 Recent developments 69
 - 6.2.1.3.1 Product launches 69
 - 6.2.1.3.2 Deals 71
 - 6.2.1.3.3 Expansions 72
 - 6.2.1.4 MnM view 72
 - 6.2.1.4.1 Key strengths 72
 - 6.2.1.4.2 Strategic choices 72
 - 6.2.1.4.3 Weaknesses and competitive threats 72
 - 6.2.2 FANUC CORPORATION 73
 - 6.2.2.1 Business overview 73
 - 6.2.2.2 Products/Solutions/Services offered 74
 - 6.2.2.3 Recent developments 75
 - 6.2.2.3.1 Product launches 75
 - 6.2.2.3.2 Expansions 75
 - 6.2.2.4 MnM view 76
 - 6.2.2.4.1 Key strengths 76
 - 6.2.2.4.2 Strategic choices 76
 - 6.2.2.4.3 Weaknesses and competitive threats 76
 - 6.2.3 ABB 77
 - 6.2.3.1 Business overview 77
 - 6.2.3.2 Products/Solutions/Services offered 78
 - 6.2.3.3 Recent developments 80
 - 6.2.3.3.1 Product launches 80
 - 6.2.3.3.2 Deals 81
 - 6.2.3.3.3 Expansions 83
 - 6.2.3.4 MnM view 85

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

6.2.3.4.1	Key strengths	85
6.2.3.4.2	Strategic choices	85
6.2.3.4.3	Weaknesses and competitive threats	85
6.2.4	TECHMAN ROBOT INC.	86
6.2.4.1	Business overview	86
6.2.4.2	Products/Solutions/Services offered	87
6.2.4.3	Recent developments	87
6.2.4.3.1	Product launches	87
6.2.4.3.2	Deals	88
6.2.4.4	MnM view	88
6.2.4.4.1	Key strengths	88
6.2.4.4.2	Strategic choices	88
6.2.4.4.3	Weaknesses and competitive threats	88
6.2.5	AUBO (BEIJING) ROBOTICS TECHNOLOGY CO., LTD.	89
6.2.5.1	Business overview	89
6.2.5.2	Products/Solutions/Services offered	90
6.2.5.3	Recent developments	90
6.2.5.3.1	Product launches	90
6.2.5.3.2	Deals	91
6.2.5.3.3	Expansions	91
6.2.5.4	MnM view	92
6.2.5.4.1	Key strengths	92
6.2.5.4.2	Strategic choices	92
6.2.5.4.3	Weaknesses and competitive threats	92
6.2.6	KUKA AG	93
6.2.6.1	Business overview	93
6.2.6.2	Products/Solutions/Services offered	94
6.2.6.3	Recent developments	95
6.2.6.3.1	Product launches	95
6.2.6.3.2	Deals	95
6.2.7	DOOSAN ROBOTICS INC.	96
6.2.7.1	Business overview	96
6.2.7.2	Products/Solutions/Services offered	96
6.2.7.3	Recent developments	97
6.2.7.3.1	Product launches	97
6.2.7.3.2	Deals	98
6.2.7.3.3	Expansions	98
6.2.8	DENSO CORPORATION	99
6.2.8.1	Business overview	99
6.2.8.2	Products/Solutions/Services offered	100
6.2.8.3	Recent developments	101
6.2.8.3.1	Deals	101
6.2.9	YASKAWA ELECTRIC CORPORATION	102
6.2.9.1	Business overview	102
6.2.9.2	Products/Solutions/Services offered	103
6.2.9.3	Recent developments	104
6.2.9.3.1	Deals	104

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

6.2.9.3.2	Expansions	104
?		
6.2.10	RETHINK ROBOTICS	105
6.2.10.1	Business overview	105
6.2.10.2	Products/Solutions/Services offered	106
6.3	OTHER PLAYERS	107
6.3.1	SIASUN ROBOT & AUTOMATION CO., LTD.	107
6.3.2	FRANKA ROBOTICS GMBH	108
6.3.3	COMAU S.P.A.	109
6.3.4	F&P ROBOTICS AG	110
6.3.5	STAUBLI INTERNATIONAL AG	111
6.3.6	BOSCH REXROTH AG	112
6.3.7	PRODUCTIVE ROBOTICS LLC	113
6.3.8	NEURA ROBOTICS GMBH	114
6.3.9	ELEPHANTROBOTICS	115
6.3.10	ELITE ROBOTS	116
6.3.11	NIRYO	117
6.3.12	HANWHA CORPORATION	118
6.3.13	OMRON ADEPT TECHNOLOGY, INC.	119
6.3.14	MIP ROBOTICS	120
6.3.15	KAWASAKI ROBOTICS	121
6.3.16	DOBOT	122
6.3.17	JAKA ROBOTICS	123
6.3.18	HUILING-TECH ROBOTIC CO., LTD.	124
7	APPENDIX	125
7.1	RESEARCH METHODOLOGY	125
7.1.1	RESEARCH DATA	125
7.1.1.1	Secondary data	126
7.1.1.2	Primary data	126
7.1.2	RESEARCH ASSUMPTIONS	127
7.1.3	RESEARCH LIMITATIONS	128
7.2	COMPANY EVALUATION MATRIX: METHODOLOGY	128
7.3	AUTHOR DETAILS	131

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Collaborative Robot - Company Evaluation Report, 2025

Market Report | 2025-08-01 | 131 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@scotts-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@scotts-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@scotts-international.com

www.scotts-international.com