

THE LIST

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THE LARGEST ROBOTICS COMPANIES IN MASSACHUSETTS

RANKED BY NUMBER OF MASSACHUSETTS EMPLOYEES AS OF FEB. 1, 2017

Company/Prior rank (*unranked in 2016)/URL	Mass. address/ phone number	Mass. employees	Total employees	Types of robotic systems	% of business from government contracts in 2016	% of business from commercial contracts in 2016	Year founded	Top local executive(s)
1 Brooks Automation Inc. ^① brooks.com	15 Elizabeth Drive, Chelmsford, MA 01824 978-262-2400	594	1,569	Semiconductor robots and integrated systems; life sciences robots and integrated systems	NA	NA	1978	Stephen Schwartz, President & CEO
2 iRobot Corp. ^② irobot.com	8 Crosby Drive, Bedford, MA 01730 781-430-3000	479	619	Consumer robots	.5%	99.5%	1990	Colin Angle, Chairman, CEO & co-founder
3 Symbotic ^④ symbotic.com	200 Research Drive, Wilmington, MA 01887 978-284-2800	345	970	Robotics and software solutions designed to reinvent distribution centers	NA	100%	2007	Chris Gahagan, CEO
4 QinetiQ North America ^③ qinetiq-na.com	350 Second Ave., Waltham, MA 02451 781-684-4000	275	6,538	Robots that protect military, first responders and commercial workers	NA	NA	1956	Jeff Yorsz, President
5 Hydroid Inc. ^⑥ hydroid.com	1 Henry Drive, Pocasset, MA 02559 508-563-6565	181	189	Autonomous underwater vehicles, AUV support equipment, launch & recovery systems	NA	NA	2001	Duane Fotheringham, President
6 Rethink Robotics Inc. ^⑦ rethinkrobotics.com	27 Wormwood St., Boston, MA 02110 617-500-2487	110	115	Smart, collaborative robots for manufacturing, production and research & education applications	10%	90%	2008	Rodney Brooks, Founder, Chairman & CTO
7 Endeavor Robotics [⊕] endeavorrobotics.com	19 Alpha Road, Chelmsford, MA 01824 978-769-9333	90	100	Combat-proven unmanned ground vehicles serving the defense, public safety and industrial markets	NA	NA	2016	Sean Bielat, CEO
8 Jibo Inc. ^⑩ jibo.com	230 Congress St., Boston, MA 02111	85	95	Social robotics	NA	NA	2012	Steve Chambers, CEO
9 Boston Engineering ^⑨ boston-engineering.com	300 Bear Hill Road, Waltham, MA 02451 781-466-8010	76	76	Unmanned underwater vehicles, autonomous underwater vehicles	90%	10%	1995	Mark Smithers, Co- founder & CTO; Bob Treiber, Co-founder & president
10 Corindus Vascular Robotics Inc. ^⑪ corindus.com	309 Waverley Oaks Road, Waltham, MA 02452 508-653-3335	63	91	Robotic system to assist interventional cardiologists performing coronary angioplasty	NA	100%	2002	Mark Toland, President & CEO
11 Locus Robotics ^⑬ locusrobotics.com	301 Ballardvale St., Wilmington, MA 01887 978-269-5006	40	40	Autonomous robotic warehouse fulfillment system	NA	NA	2015	Bruce Welty, CEO
12 Piaggio Fast Forward [⊕] piaggiofastforward.com	56 Roland St., Boston, MA 02129 857-997-2320	28	29	Maker of Gita, a robotic vehicle designed to follow people and help them with their cargo	NA	NA	2015	Jeffrey Schnapp, CEO
13 Barrett Technology LLC ^⑮ barrett.com	73 Chapel St., Newton, MA 02458 617-252-9000	23	23	Advanced robotic manipulators, including BarrettHand	20%	80%	1988	William Townsend, President & CEO
14 Artaic LLC ^⑭ artaic.com	25 Drydock Ave., Boston, MA 02210 617-418-1928	21	21	Tile mosaic assembly	23%	77%	2007	Ted Acworth, CEO
15 RightHand Robotics Inc. [⊕] righthandrobotics.com	28 Dane St., Somerville, MA 02143	20	20	Intelligent systems for e-commerce order fulfillment	NA	NA	2014	Leif Jentoft, Lael Odhner & Yaro Tenzer, Co-founders
16 ReWalk Robotics Inc. ^⑯ rewalk.com	200 Donald Lynch Blvd., Marlborough, MA 01752 508-251-1154	19	72	Robotic exoskeletons for spinal cord injury and stroke	30%	70%	2012	Larry Jasinski, CEO
17 Neurala Inc. ^⑳ neurala.com	8 St. Mary's St., Boston, MA 02215 617-418-6161	18	18	Software, artificial intelligence, vision systems	10%	90%	2006	Massimiliano Versace, CEO
18 Energid Technologies Corp. ^⑱ energid.com	1 Mifflin Place, Cambridge, MA 02138 888-547-4100	12	23	Advanced robot control and simulation software	46.7%	53.3%	2001	Neil Tardella, CEO
19 Harvest Automation [⊕] public.harvestai.com	85 Rangeway Road, N. Billerica, MA 01862 978-528-4250	7	7	Mobile, autonomous robots for industrial applications – specifically the agriculture industry	NA	NA	2007	Charlie Grinnell, CEO

NOTES: NA - not available/applicable.

► CLOSER LOOK



Mark Toland
PRESIDENT AND CEO OF
CORINDUS VASCULAR
ROBOTICS

Mark Toland, president and CEO of Corindus Vascular Robotics, has been in the medical device space for more than 20 years. Prior to joining Corindus, he served as senior vice president of Boston Scientific leading BSC's growth and market-innovation initiatives; directly managing corporate sales, marketing, commercial operations, and global solutions. Previously, he led BSC's interventional cardiology, cardiac rhythm management, peripheral interventions, and electrophysiology divisions, overseeing more than 2,000 employees in sales, commercial operations, and customer service.

ABOUT THE LIST

Information was obtained from firm representatives.

Additional source for this list was Mass Technology Leadership Council (MasTLC).

1. QinetiQ North America was founded in 1956 as Foster-Miller. Total employees represents parent company Global QinetiQ.

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T H E L I S T

AUTOMATION INNOVATION

Robotics cluster continues to thrive in the Bay State

They do everything from clean our floors to assist in surgeries to protect our soldiers and first responders against explosive threats. The field of robotics is a hot one these days, and it turns out the Bay State is a hub for innovation in this surging tech cluster.

The 19 companies on this year's BBJ list of the Largest Robotics Companies in Massachusetts (which doesn't include large defense contractors or nonprofit labs) reported employing a combined workforce of 2,486 in the Bay State as of Feb. 1, 2017. In addition, eight of the 14 companies that appeared on the last two BBJ lists reported year-over-year increases in their state worker head counts.

The largest year-over-year increase in Massachusetts staff was reported by No. 3-ranked Symbotic, the Wilmington-based company that manufactures autonomous mobile robots for use in warehouse settings. Symbotic added 109 employees in Massachusetts in the last year for a total of 345 in the Bay State. Meanwhile, the biggest year-over-year decrease in Massachusetts employees was reported by Brooks Automation, a Chelmsford-headquartered company. Despite reporting 77 fewer Bay State employees than at this time last year, however, Brooks still easily maintained its No. 1 ranking on the BBJ list with 594

Massachusetts employees.

Also of note: This year's list includes several new participants, including No. 7-ranked Endeavor Robotics, previously the Defense and Security Business Unit within iRobot Corp., which was formed as a standalone company in April 2016; No. 12-ranked Piaggio Fast Forward; and No. 15-ranked RightHand Robotics.

— Joe Halpern and Sean McFadden

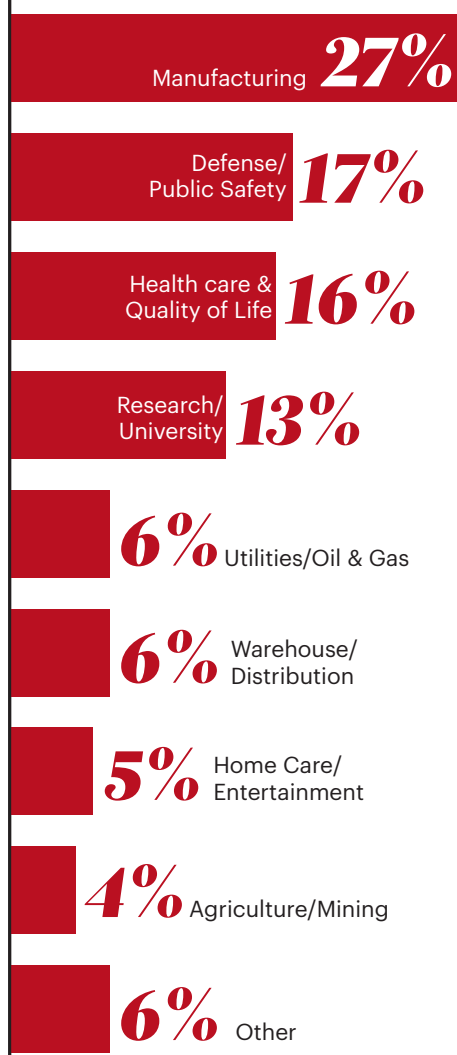


Two of the consumer products made by iRobot, the second-largest robotics employer in Massachusetts, are the Roomba 980 Vacuuming Robot, top, and Braava Jet Mopping Robot.

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2016 MASSACHUSETTS ROBOTICS COMPANY TARGET INDUSTRIES



Source: ABI Research

Boston Commercial Real Estate Outlook

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