



Doosan Robotics



COMPANY OVERVIEW

The New Generation of Collaborative Robots

Doosan Robotics is a leading manufacturer of collaborative robots (cobots), which are robots designed to work side by side with humans without fences, allowing human workers and robots to perform their tasks in the most efficient way, and thus increasing productivity.

Launched by Doosan Group, Korea's oldest and most prominent conglomerate, Doosan Robotics was founded in 2015 with its head office in South Korea. Since then, Doosan Robotics has been developing its cobot system based on its own technology, incorporating the professional knowledge of the industry's leading researchers. Doosan Robotics has its production site in Suwon with an annual capacity of 10,000 units and operates its Innovation Lab and Prototyping Lab along with R&D center.

Doosan robots are capable of world-class performances, demonstrated by a working radius of 900 to 1,700 millimeters, a load capacity of 6 to 15 kilograms, and sensitive collision detection sensors that ensure the safety of nearby workers. They are equipped with their own torque sensors on all six-joints, providing the industry's best collision sensitivity and carrying out more highly sophisticated tasks that previously required the dexterity of human hands. In recognition of the excellent user experience (UX) provided and their sophisticated, superior product design, Doosan robots received the Red Dot Design Award for two consecutive years – in the “Interface & User Experience” category in 2017 and the “Product Design” category in 2018.

Doosan Robotics is firmly committed to establishing a leading position in the market through its continuous R&D efforts, spearheading the growth of the industry.



ABOUT DOOSAN GROUP

Member of the Doosan Group

Founded in 1896 and currently led by the chairman and CEO Jeong-won Park, Doosan Group is one of the most renowned global companies in Korea, with a 123-year history. While having gone through many changes and significant growth over the years, Doosan started to make bolder, innovative moves in the late 1990s and expanded into new territories at an unprecedented rate and achieved remarkable growth through business acquisitions. As a result, Doosan has been able to establish itself as a world-class infrastructure support business (ISB) provider, with about 40,000 employees in 37 countries, showing an annual growth of 9% for the previous 20 years.

Comprised of over 50 affiliates and subsidiaries such as Doosan Heavy Industries, Doosan Infracore, Doosan Industrial Vehicle, and Doosan Bobcat, Doosan Group has been recognized as the best provider of technological advancements in various industries including machinery, component material, heavy industries, energy and consumer and services.



Most recently, Doosan Group has begun accelerating its digital transformation in line with the Fourth Industrial Revolution. Foreseeing substantial growth in the collaborative robot market in the coming years, the group established Doosan Robotics in 2015, and Doosan Robotics successfully released its first robots after three years of tireless R&D efforts.

As a subsidiary of Doosan Group, Doosan Robotics benefits from Doosan Group's global network and combines the group's international market know-how with the state-of-the-art technologies for cobot development and innovation. Doosan Group supports Doosan Robotics in international sourcing and manufacturing capabilities while maintaining and ensuring compliance with laws, regulatory guidelines and internal control procedures.

Now leading one of Doosan Group's key business areas, Doosan Robotics has the biggest market share of collaborative robots in the Republic of Korea and is showing rapid growth throughout various global markets, including Germany, France, United Kingdom, Italy and China.



DOOSAN ROBOTICS AT A GLANCE

Founded	2015
Headquarters	Republic of Korea
Management	CEO Donghwi Chae
Area of Activity	Doosan Robotics' core business includes the production of collaborative robots to enable effective automation in various industries and the development of the interface and user experience for cobot applications.
Target Group	All-sized enterprises
Vertical Markets	Metal and machinery, automotive, electronics, consumer goods, furniture, pharma and chemistry, plastic and polymers, etc.
Reference Clients	Hyundai Motor Group, POSCO, LG Electronics, LG Chemistry, Continental, etc.
Employees	159 *Around 50% of the employees are dedicated to R&D efforts
Sales Channel	Europe, North America and Asia [Total : 26 Country]
Annual Production Capability	10,000 units
Key Products: M-SERIES Cobots	M0609: 6kg payload, 900mm reach / M0617: 6kg payload, 1,700mm reach M1013: 10kg payload, 1,300mm reach / M1509: 15kg payload, 900mm reach
A-SERIES Cobots	A0509: 5kg payload, 900mm reach / A0509s: 5kg payload, 900mm reach A0912: 9kg payload, 1,200mm reach / A0912s: 9kg payload, 1,200mm reach
H-SERIES Cobots	H2017: 20kg payload, 1,700mm reach / H2515: 25kg payload, 1,500mm reach
Principal Values	Super Safe Super Easy Super Flexible
Applications	CNC machine tending Pick and place Inspection Assembly (screw, gear) Polishing and deburring Gluing and bonding Plastic injection assistance Packaging and palletizing Press forming assistance, and more
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Social Media	 www.youtube.com/doosanrobotics  www.linkedin.com/company/doosan-robotics

COMPANY MILESTONES

2014 **Doosan Group enters the collaborative robot market**
In December, Doosan Group launches its project to develop robots to drive its future growth driver in line with the Fourth Industrial Revolution.

2015 **Doosan Group establishes Doosan Robotics**
In October, Doosan Robotics is founded.

2017 **Doosan Robotics wins the Red Dot Design Award**
In August, Doosan Robotics is awarded as the Winner in the User Interface Design category of the Communication Design sector of the Red Dot Award 2017.

Doosan Robotics launches cobots in Korea at 2017 Roboworld
In September, Doosan Robotics participates in 2017 Roboworld Exhibition, the biggest robot exhibition in Korea and presents its four cobot models to the market for the first time.

Doosan Robotics establishes the robot manufacturing facility
In December, Doosan Robotics begins the first mass production of robots at the smart manufacturing site within Suwon Industrial Complex, where cobots assist in manufacturing other cobots.

2018 **Doosan Robotics receives the Red Dot Design Award in Product Design category**
In April, Doosan Robotics wins the Red Dot Design Award in the Product Design category.

Doosan Robotics launches robots in Europe at Automatica 2018
In June, Doosan Robotics first enters the overseas markets after successfully launching its robots at Europe's biggest robotics and automation exhibition Automatica 2018 held in Germany.

Doosan Robotics enters Chinese robot market
In December, Doosan Robotics advances to Chinese cobot market by signing a distribution agreement with Bozhong Group's Linkhou, China's largest industry automation solution specialist, in Suzhou, China, to supply its collaborative robots in China.

2019 **Doosan Robotics attends Automate 2019 and enters North America**
In April, Doosan Robotics showcases its robots at Automate 2019, North America's largest automation solutions event.

Doosan Robotics launched A-SERIES
A0509, A0509s, A0912, A0912s

2020 **Doosan Robotics launched H-SERIES**
H2017, H2515 [Astonishing Payload Cobot : 25kg]