



ROBOCON

ROBOTICS CONSTRUCTION TECHNOLOGIES

Robocon Technologies Corp. is a smart factory solution company specialized in robots that are optimized for construction steel.

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Our mission is to provide a new level of robotics and automated solutions in the field of construction. For a long period of time, we have conducted R&D on steel processing automation technology to enhance the automation rate of steel processing and the process efficiency. With the insight and accumulated knowhow in this industry sector as well as the combination of robotics and high technology, Robocon Technologies Corp. provides optimal solutions, not merely machinery facilities. We have proved how significantly an automated solution can enhance the efficiency of rebar processing and assembly processes while operating steel processing plants. For innovations in the future of rebar processing that still retails in the past, the most important is to initiate introduction of automated processes.



**Steel and construction smart factory,
robot-based automated solution**



The corporation was founded on
November 12, 2020.



48
Total regular employees
(including the CEO)

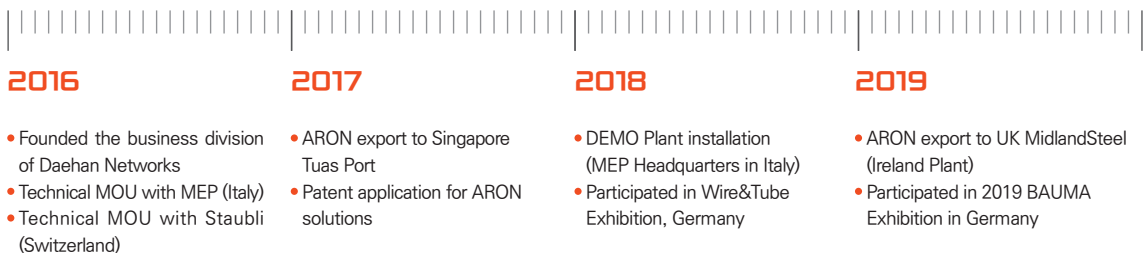


20
R&D engineers



19
Production and management
division in Dangjin Plant

History



Competitive edge of Robocon Technologies Corp.

- Foremost specialists in the rebar sector of the automation industry have accumulated experiences in the steel making industry for more than 5 decades.
- Technical collaboration and global marketing with Italy MEP which is the global top M/S company in the rebar processing facility industry.
- The only provider of full-automation processing solutions in the world



Members

Robocon Technologies Corp. members have experiences of working at global enterprises in related business areas including Samsung Electro-Mechanics, Doosan, ABB, Staubli, and ULVAC. They have accumulated experiences for decades of years in such areas as construction, steel making, machinery, manufacturing, automation, and robotics.



Partners

Robocon Technologies Corp. continues technical development and collaboration projects with renowned robot and machinery makers. With Italy MEP which is ranked 1st in the global rebar processing machine industry, for example, we have continued technical collaboration and marketing since the early stage of the business.



Customer Service

Robocon Technologies Corp. operates a wide range of services including spare parts, field service, remote service, and worker training. ARON solutions make possible prompter responses in facility diagnosis, troubleshooting, software update, etc. through the remote system. In addition, we provide more professional field services through the MEP global sales and shared network of customer service.

2020

- Founded Robocon Technologies Corp. (Daehan Networks branch)
- Daehan Networks Investment in kind (new stocks issued)

2021

- Venture business certification
- SEED investment attraction (Gentium Unit 4 Private Investment Association)
- Series A investment attraction (10 billion won, new technology investment association)

2022

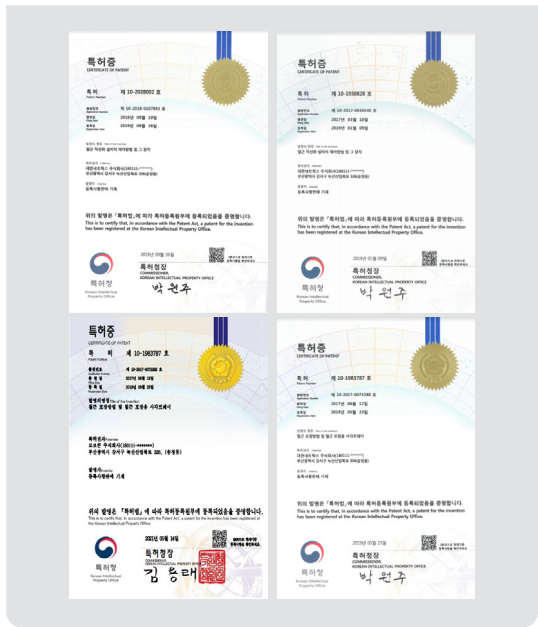
- Initiation of Dangjin Plant Construction of Robocon Technologies Corp. → Completion of the plant for rebar Processing Line 1
- Rebar processing rod SVC in Dangjin Plant
- Participated in 2022 BAUMA Exhibition, Germany

2023

- Series B investment attraction (10 mil USD)

Certification

Patent registration and application in Korea



Patent registration and application abroad



EU patent registration: 2 (UK, Germany)

Robot control and rebar production management software registered



RPM(Rebar Producing Manager)

ORSP(Optimized Rebar Stacking Program)

CE acquisition for solutions



Business Area – Solution

The basic goal of Robocon Technologies Corp. is to create new values for customers based on creative and differentiated ideas.

Based on the know-how and big data accumulated in construction and steel making industries for years, we pursue innovations in the construction industry with rebar processing automation and robotics solutions.

Main Services

1) Robotic Solution

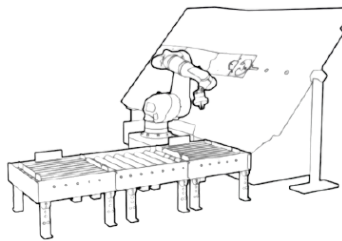
- Rebar processing robot automation solution (ARON)
- Preassembled robot automation solution
- Steel making solution

2) System Development

- MES (Manufacturing Execution System)
- Converting Program

3) Smart Factory Design

- Plant design and operation consulting



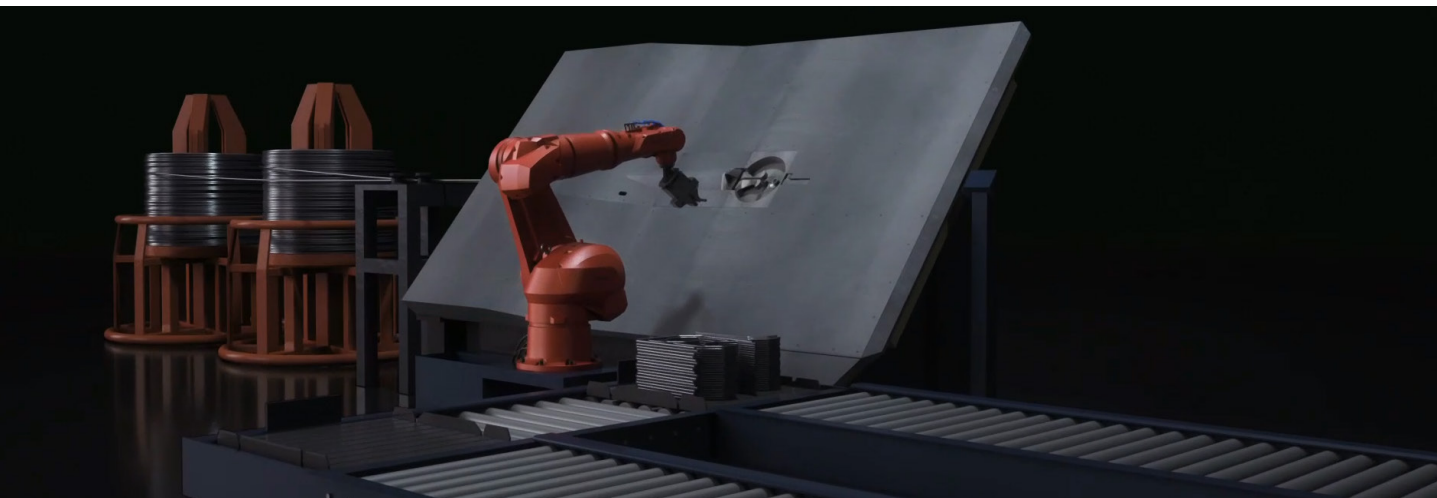
Customer Companies

1) Constructor and rebar processor

- Samsung C&T Corporation (ROK), DL Construction (ROK), MidlandSteel (UK), TSG (Taiwan) etc

2) Steel-making companies

- Daehan Steel (ROK), YK Steel (ROK), SeAH Special Steel (ROK) etc



Business Area – Solution

Rebar processing robot automation solution (ARON)

ARON is a smart factory solution based on robots specialized in rebar processing for construction. As robotics and vision technology are combined, the entire process of rebar processing can be automated from raw material input to cutting, bending, loading, packing, and shipment.

References



Rebar processing plant of Robocon Technologies Corp., South Korea



Taoyuan Terminal 3 construction site, Taiwan



Tuas Harbor construction site, Singapore



Rebar processing plant of Midland Steel, UK

Preassembled robot automation solution

The optimal process system for preassembly has been developed. With the source technology for various components and functions, we can handle a variety of rebar structures.

References (Currently under development)

Steel making solution

Our technical power and widely recognized with robot automation solutions specialized for steel making and production lines involving a lot of particles and intense heat.

References



Sinpyeong Plant of Daehan Steel, South Korea



Pyeongtaek Plant of Daehan Steel, South Korea

Business Area - FAB

The only robot-based rebar processing smart factory in Korea provides one-cycle steel material distribution services from rebar processing shop drawing to rod processing and assembly.

Main Services

1) Processing

- Rebar processing / coupler processing
- Shop Drawing

2) Preassembly

- Rebar preassembly

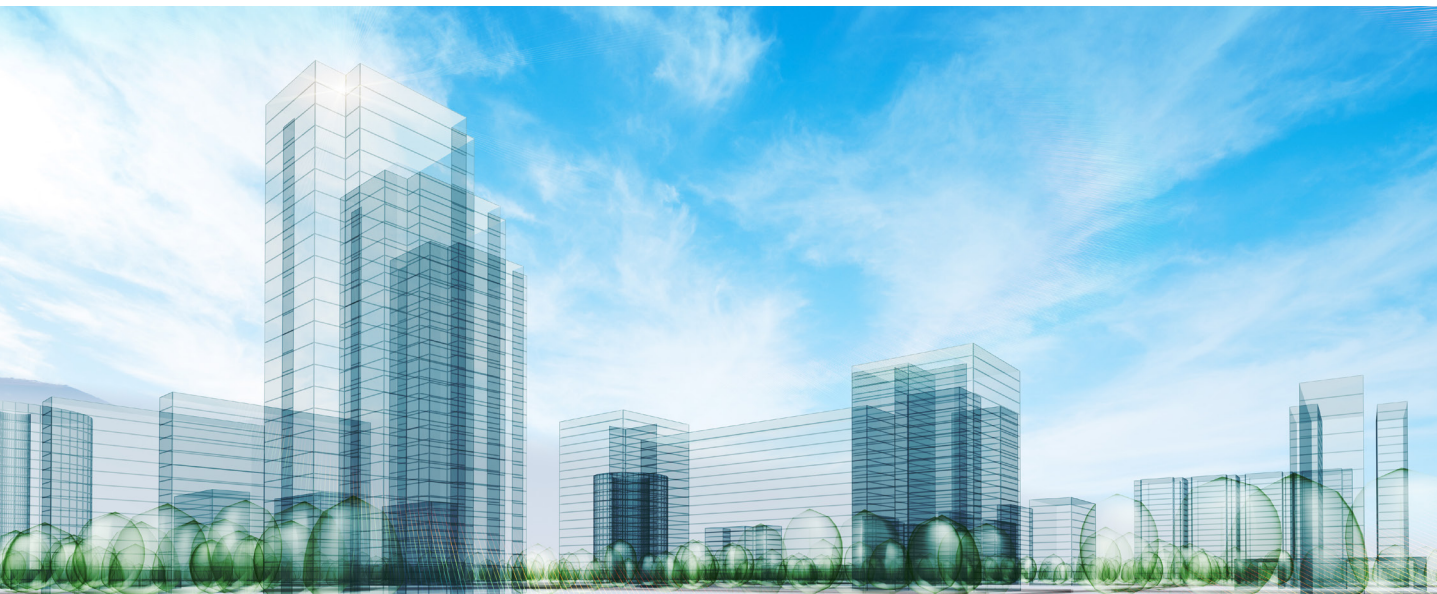
3) Distribution

- Sales (Purchase/Selling of rebars, construction materials, etc.)

Customer Companies

Constructor

- Samsung C&R Corporation (ROK), Hyundai Engineering and Construction (ROK)



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Osan Headquarters

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Dangjin Plant

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