

13th CDTI - NEDO Joint Workshop
“AI-Equipped Collaborative Robot Technology”
December 11, 2025 Tokyo



Robotics for a Sustainable Future

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RT CORPORATION



Organization / Company



RT CORPORATION

RT Corporation

Established in Sep. 2005; Capital Approx. USD 2M;
Add. 3F, 3-9-2 Sotokanda, Chiyodaku, Tokyo, Japan;
President Y.Nakagawa; Board Members & Employees 46;
<https://rt-net.jp>



Future Food Fund



みずほキャピタル



MIZUHO

みずほリース



旭田泉州キャピタル



Life with Robot

Work with Robot



Organization / Company

- 2005** Establishment
- 2017** Receive Investment from VC for second funding
- 2018** Collaborative robot, Foodly, was shown for Food factories
- 2023** Expand offer variety for humanoid robots





Products, services, technologies of the company



Hardware

AI/Software

System

Consulting

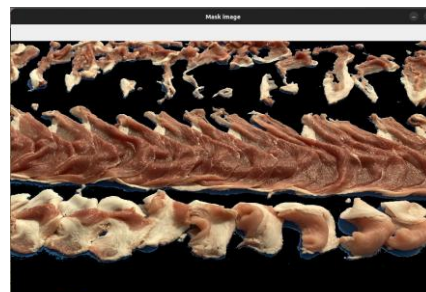


Products, services, technologies of the company

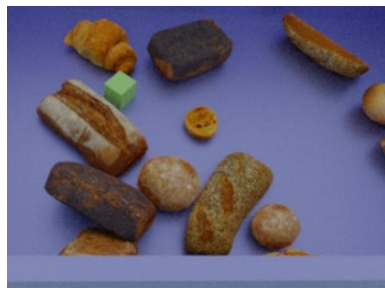
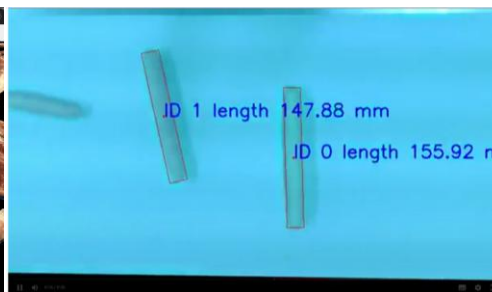
Vision System Case Studies



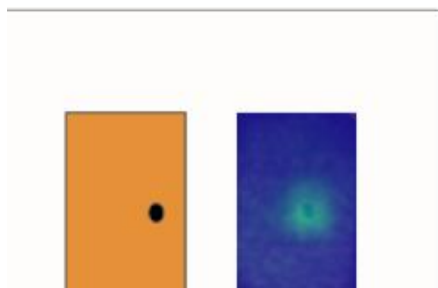
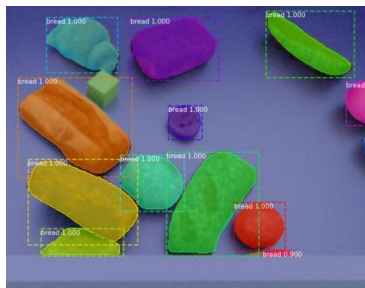
**Loose-stacked recognition
(irregular shape handling)**



**Image measurement
(meat & bread dough length estimation)**



**Learning and recognition using 3D
models**



**Defective product
inspection**



**Estimation of joint
position in pig foreleg**



Products, services, technologies of the company

Line Construction Case Studies

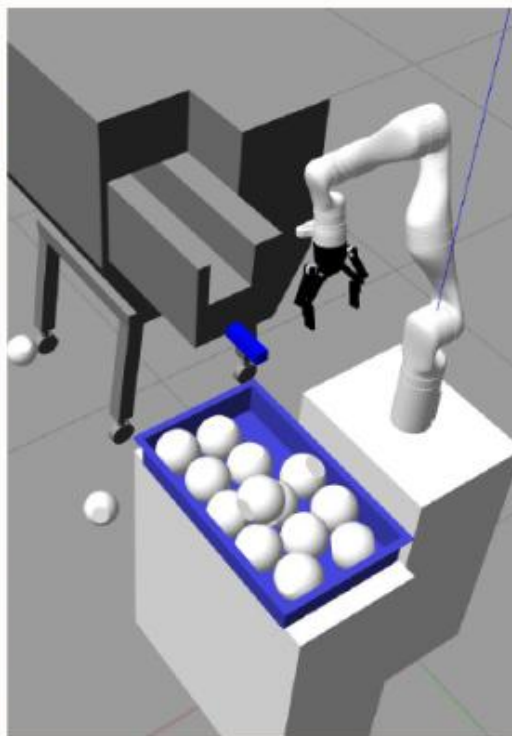


Left: AI image recognition-based defective product picking system
Right: Cube-shaped food transfer and box packing system



Main challenges and solutions in the project/case presented

Case Study: Using Vision Systems and Collaborative Robots



Vegepicker



Frozen Fry Discharge System



Main challenges and solutions in the project/case presented

Examples of collaboration with equipment manufacturers



Collaboration with weighing equipment



AI Vision System (Pork Cut Recognition)



Ideas for a Japan – Spain collaboration

- ✓ Development of collaborative systems for industries
 - Industries that manage irregular shaped products, with repetitive movements
 - Needs detection of industries that traditionally have been deemed as “not fit” for automatization.
 - Creation of collaborative systems with certain degree of flexibility that can be adapted to the client needs, by combining technologies.
 - System that comply with EU and Japan requirements from inception.





Ideas for a Japan – Spain collaboration

- ✓ Development and commercialization of robots that interact
 - Widening the offer of robots offer of both companies.
 - Expansion of product portfolio and reach markets.
 - Development of technologies using humanoid robots for human interaction and/or environment manipulation.
 - Special focus in developments related to Physical AI.



Bonobo

130cm height
Fully designed by
RT Corp.



**THORMANG3
Clone**

150cm height
ROBOTIS
licensed to RT Corp.



Muriqui

50cm height
Fully designed by
RT Corp.

