

## RZ Ecosystem Partner Solution

# Computermind DeepEye AI Model



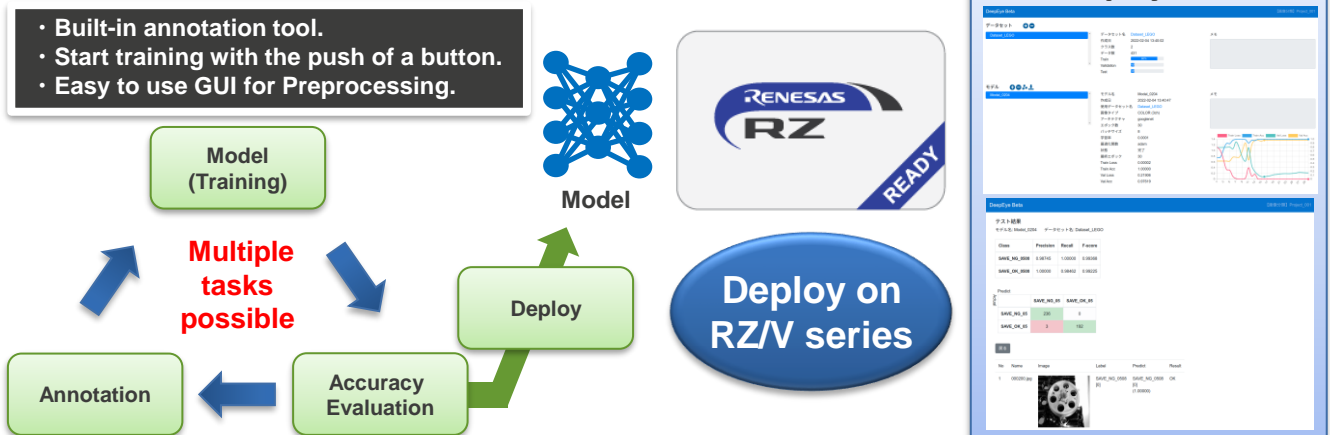
### Solution Summary

Based on 30 years of software development experience, DeepEye is a software developed by combining advanced technologies such as machine learning, and even engineer without AI development experience can easily deploy AI models. It seeks real-time performance by co-working with [RZ/V series](#).

### Features / Benefits

- **No requirement on prior specialized knowledge of AI / Machine Learning**
  - An AI model can be developed by using a simple GUI and easy to understand steps without any prior AI/machine learning knowledge.
- **Features needed to improve AI accuracy are available by default.**
  - Support different pre-processing functions such as splitting and data bulking.
- **Supports various platform**
  - It operates in various environments such as Windows, Linux and Cloud.

### Diagrams / Graphics



### Main Detection Tasks

Visual Inspection

Human Detection

Vehicle Detection

Character recognition

### Target Markets and Applications

- Visual inspection of industrial parts, etc.
- Detection of people, cars, etc. in marketing.
- Optical character recognition (OCR).
- Installation check of electronic boards, etc.
- Workplace safety monitoring.
- Determination of growth of cells, etc.

<https://deepeye.jp/>

## Case Study

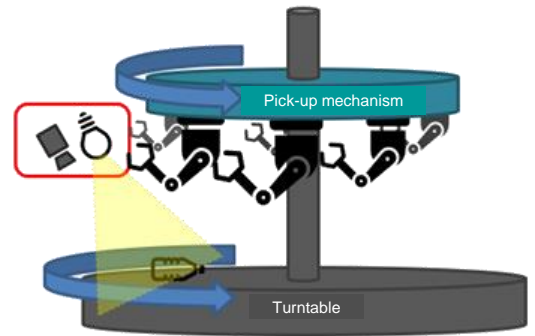
# Plastic bottle detection system

The garbage flowing on the round conveyer belt is captured with a fixed camera, and from among the plastic garbage, We used [DeepEye] to detect PET bottles using AI models.

By using object detection, the center coordinate of the plastic bottle can be detected, and the robot arm installed on the ceiling surface of the device picks up the plastic bottle and separate it for recycling.

By developing object detection model using [DeepEye], any changes needed for optimizing the performance can be easily performed by the client, including future updates.

In addition to above, deploying AI models to an RZ / V series board is supported, and AI environment development using AI edge devices. It is speedy and easy to build.



## About Computer Mind

Our company's service not just include AI solution but also provide complete solutions in peripheral software development.

- Name:** Computer Mind Inc.
- Founded:** August 8, 1991
- Industry:** Software development
- Employees:** 160 (Kofu: 75, Tokyo: 75, Okinawa: 10)  
140 software engineers (AI: about 20)
- Certification:** ISO9001, ISO/IEC27001, ISO5230



**Computermind**

<https://www.compmind.co.jp/en/>

## Solutions and services provided by our company

