AIM

Tray packaging system of various product

Flexible feeding system with AIVE, RoboEYE and Scara robots

Feature
- Program to register 20 products
- Compatible with the geometry of various parts
- Minimize product damage scratches and static electricity
- Excellent for the transfer of complex and delicate parts
- Dual tray supply minimizes loss time
- Robot safety devices and operation switches, signal towers

Specifications
- Parts size : 1mm ~ 30mm
- Tray size : Max 250mm x 250mm
- Power : AC220V, 15A
- Temp : 10 ° C ~ 40 ° C
- Capacity : 20ea/min ~ 30ea/min
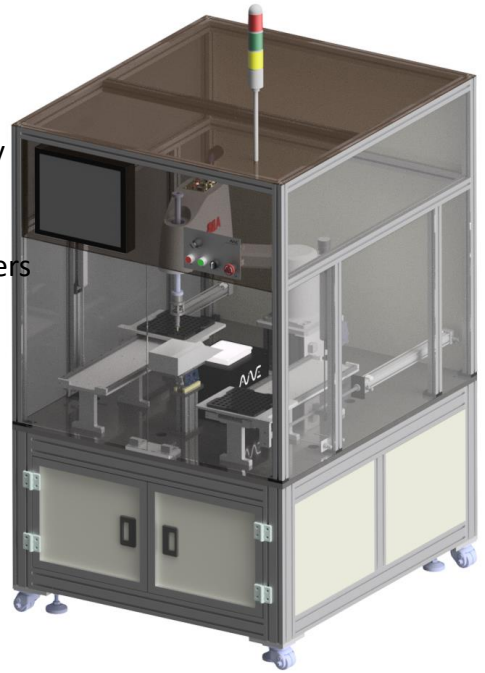
Flexible feeding system?

Pick and place parts using robots and vision, it is an advantage in the production of various parts. Large amounts of parts are spread out using vibration to shoot vision, and allow the robot to transport parts. Products of various and complex shapes can be produced without damage.

Multi-product production	Improving product quality	Increased production efficiency	Complete vision positioning
Change over parts software modifications quickly	Static electricity, scratches Product damage, minimum damage	Tangles, kinks Prevents facility hangs during production	앞뒤 및 좌우 구분 휴먼에러 없는 시스템

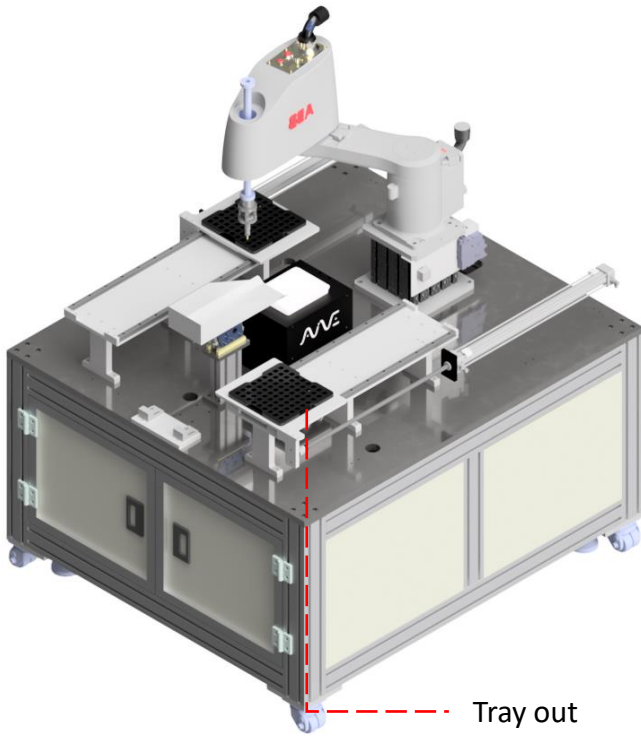**∧IM**

Key components

ROBO EYE
INTELLIGENT ROBOTIC VISION SYSTEM

- Camera 5mp
- Top light (option)
- Calibration jig

ABB

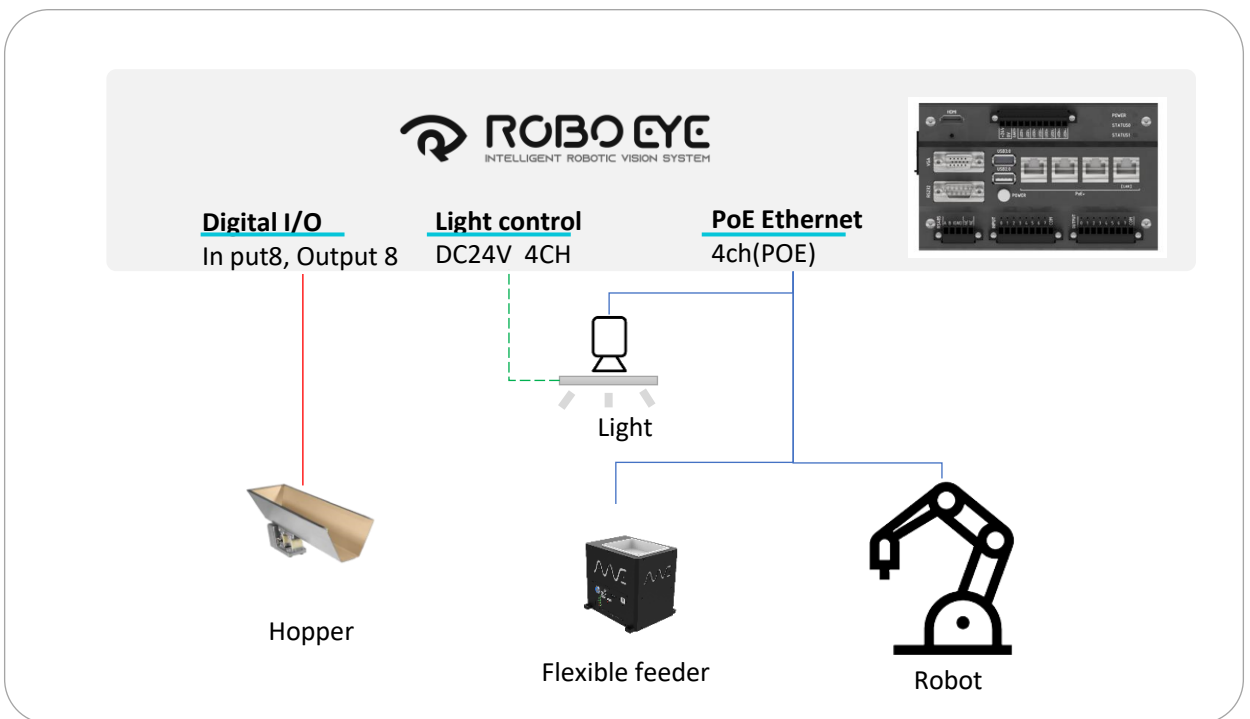- IRB910SC-3/0.55
- Scara robot
- 3kg / 550mm Arm

∧IVE
Flexible feeder AIVE

- AIVE2.0
- 120 x 150mm
- Back light

Tray out

All-in-one control system with all peripheral controls

ROBO EYE
INTELLIGENT ROBOTIC VISION SYSTEM

Digital I/O
In put8, Output 8

Light control
DC24V 4CH

PoE Ethernet
4ch(POE)

Light

Hopper

Flexible feeder

Robot

Easy and simple installation with robots

ROBO EYE

The controller, which integrates peripherals into one, is easy and quick to install, reducing costs and making maintenance easier.
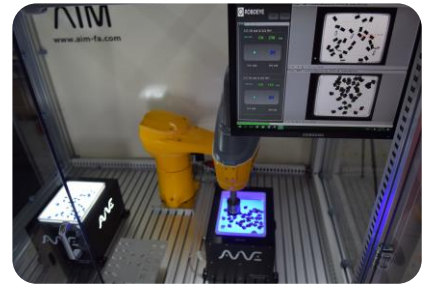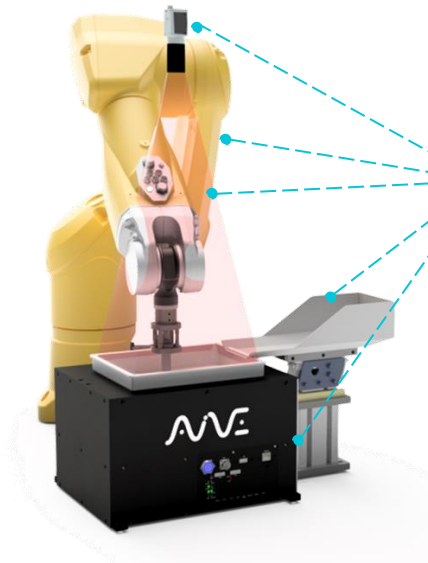
4Ch lighting control
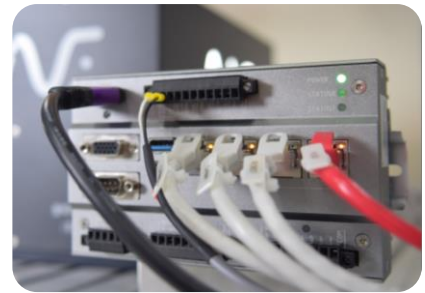
AIVE

Accurate sine wave vibration part feeding

- Compatible with the geometry of various parts
- Excellent for the transfer of complex and delicate parts
- Build a future-guaranteed production system
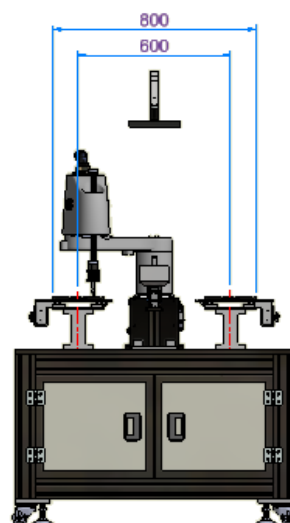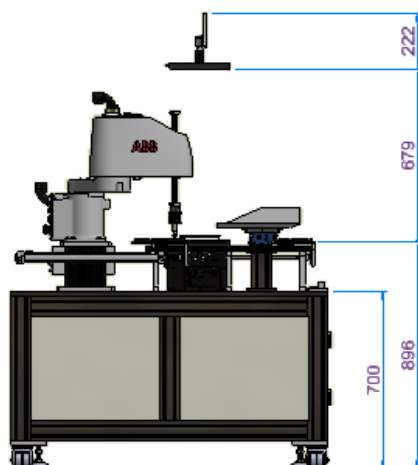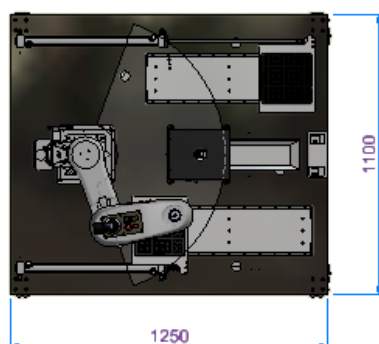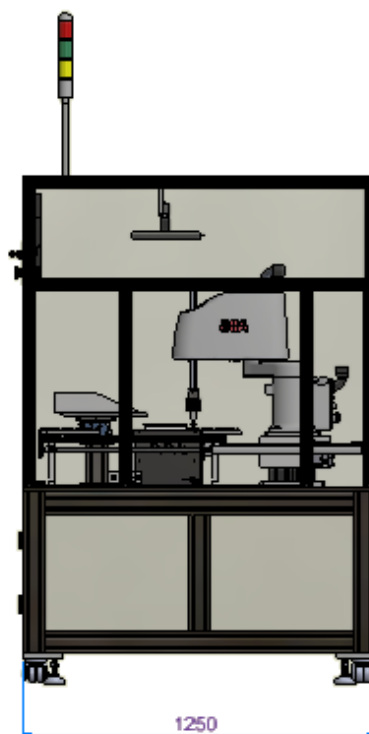- Less friction due to parts not circulating, minimizing damage to the product

High Z stroke

Low Frequency

Flip

Spread

Layout

AIVE Tray packing system
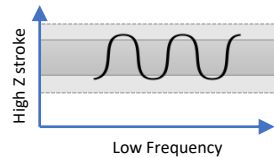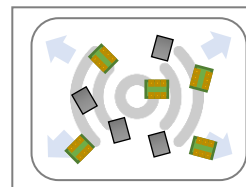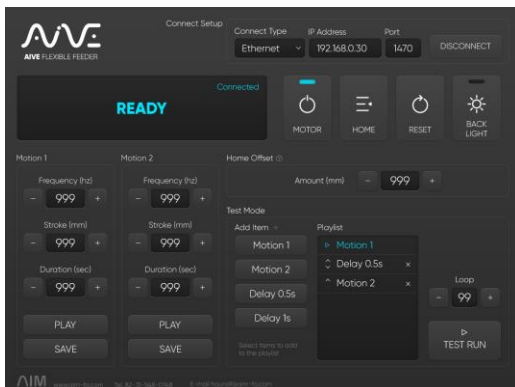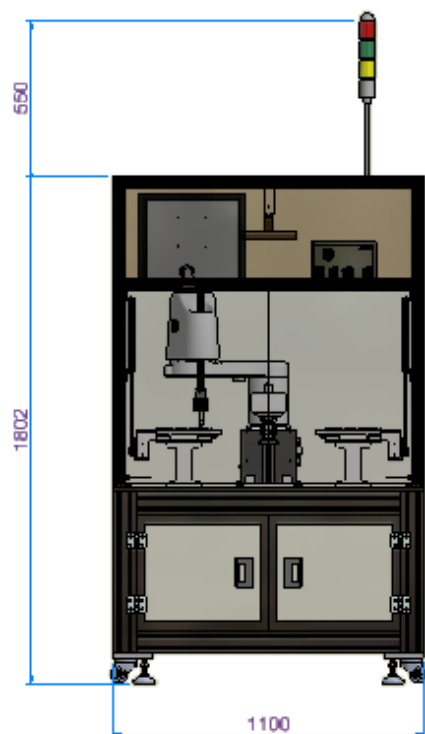
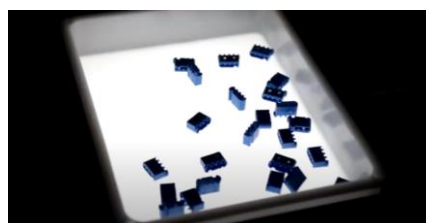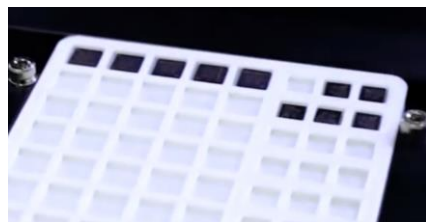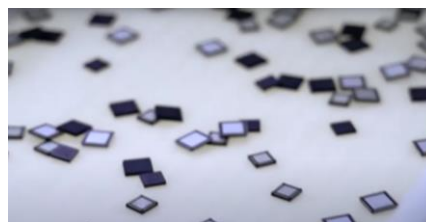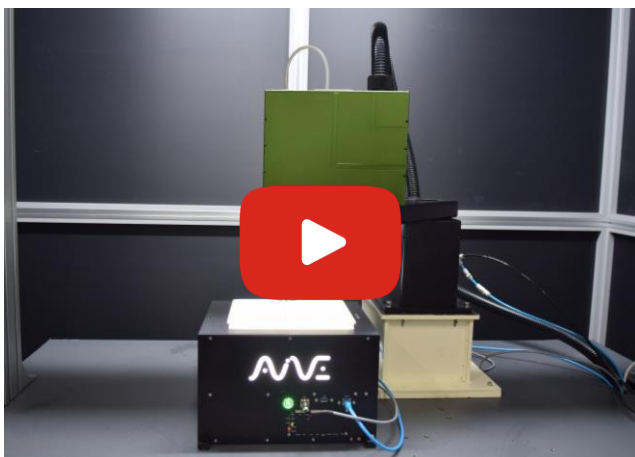**Tray filling mc**
Minimization of exchange time with two tray supplies
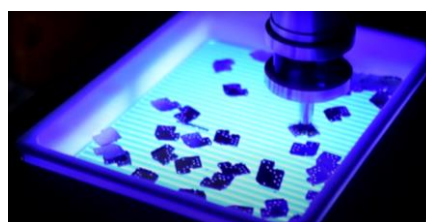
2 kinds of products with completely different shapes
- Demo demonstration of transferring completely different products from two identical feeders

2 kinds of similar products sorted
-2 products sorted by vision