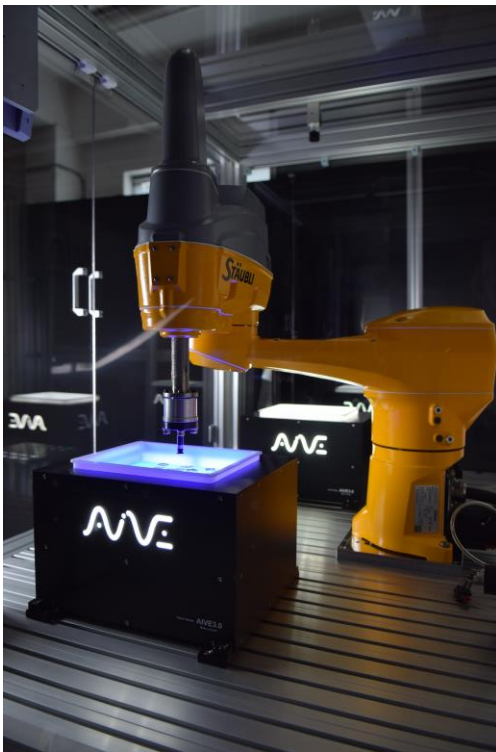# Flexible parts feeder AIVE

AIVE flexible feeder

Accurate sine wave vibration technology

- Compatible with Various component shapes
- Excellent for transferring complex and delicate parts
- Build up guture-proof production system
- Less friction as parts are not cycled and minimized damage

Specifications
- Method : Stroke, Frequency, Time
- Stroke : Max ± 7.5mm
- Frequency : Max 90Hz
- Offset home positioning : + 7.5mm
- Communicated : TCP / IP, RS232, Digital I / O
- Utility : DC24V
- Temp : 10 ° C ~ 40 ° C

Features & Benefits
- No jam, No damage
- Quick change to work process
- Increase production efficiency
- Compact layout and simple system
- Direct robot control though TCP IP
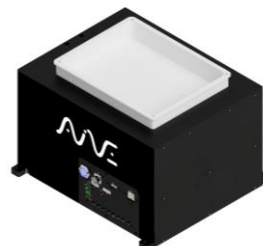- Easy control and High flexibility

AIVE2.0
Recommend parts size : 0.5~30mm
Platform size : 120mm x 150mm

AIVE3.0
Recommend parts size : 5~40mm
Platform size : 150mm x 180mm

AIVE 2.0 and 3.0

Accurate sine wave vibration technology

The flexible feeder AIVE uses precision vibration to <u>spread or flip the parts</u> so that the robot and vision can work.

Sine wave vibration technology allows perfect control by controlling the distance and frequency of the vibration. It precise vibration control so that a single device can respond to the size of various parts from 0.5mm to 40mm.
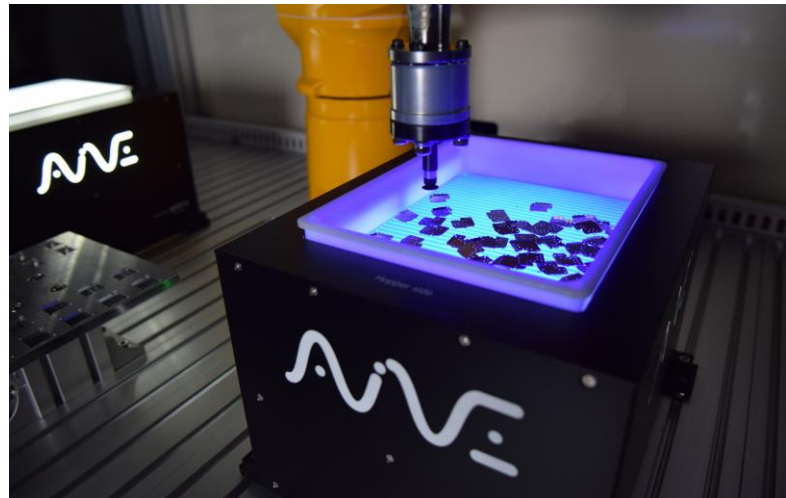
Easy integration of robot and vision

- Simple system integration through software plug-ins with various robot brands
- Standard communication protocol TCP-IP and Digital IO mode supported
- The manual button on the side is configured to enable quick response in the field
- Built-in backlight and linkage with ROBO-EYE to track products quickly and precisely
- Establish an optimal product transfer environment by finding overlapping and tangled parts
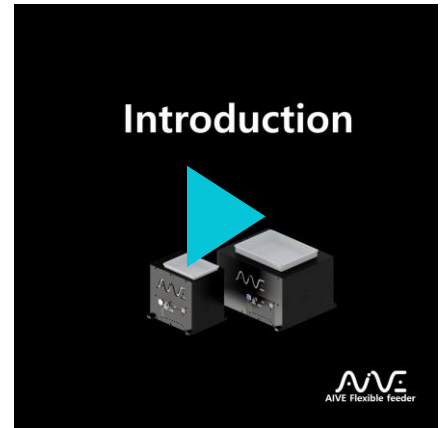
Robot application

UNIVERSAL ROBOTS   EPSON EXCEED YOUR VISION   STÄUBLI   KUKA

FANUC Robotics   DELTA   MINT ROBOT

AIVE 2.0 and 3.0

Accurate sine wave vibration technology

- Elaborate frequency control suitable for small components
- Various communication support (TCP/IP, Digital I/O)
- Simple control (Frequency, distance, time)
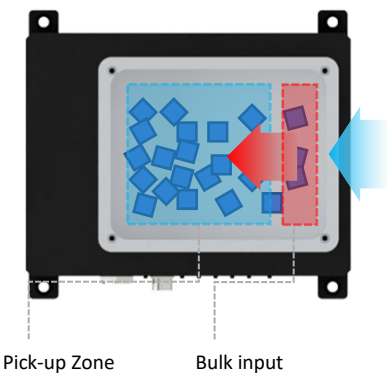- Backlight embedded

AIVE introduction video
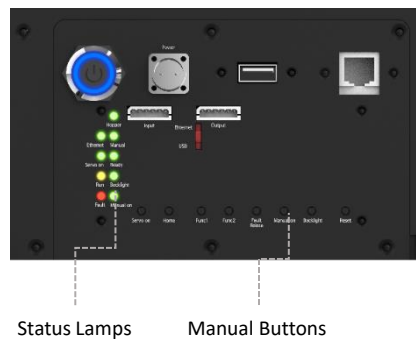
Easy and simple program

Flip

Spread

High Z stroke

Low Frequency

Sinewave vibration
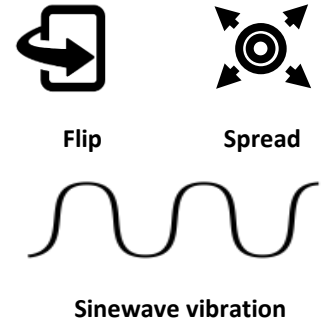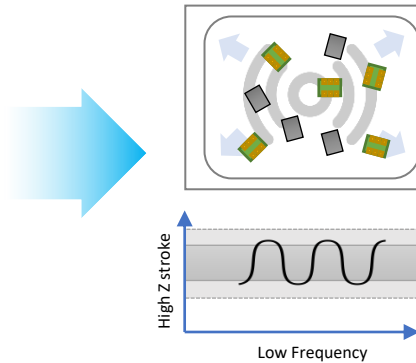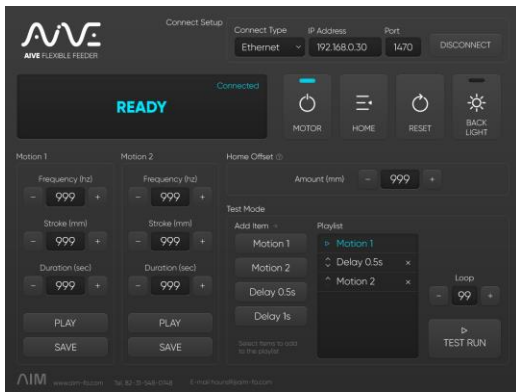
Working area transfer motion

Pick-up Zone   Bulk input
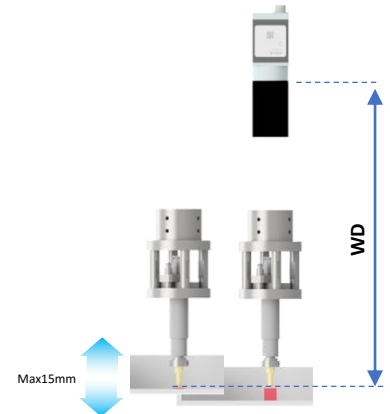
There is a centered gathering function but for productive speed components automatically move forward

Manual operation and status LED

Status Lamps   Manual Buttons

Through this buttons the linking vision and testing AIVE and motion are available
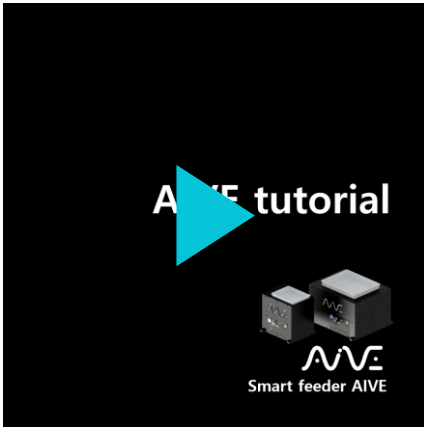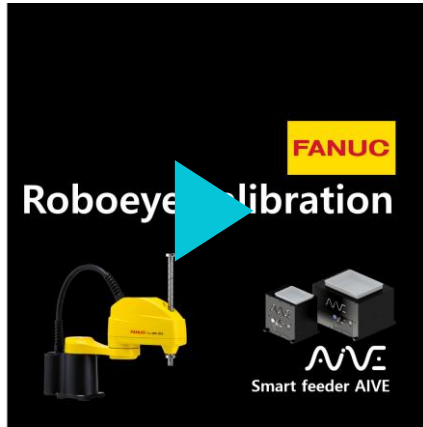
Adjustment focus, Height

WD

Max15mm

Form the camera focus and precise coordinates of camera. Realize the multi-parts production.

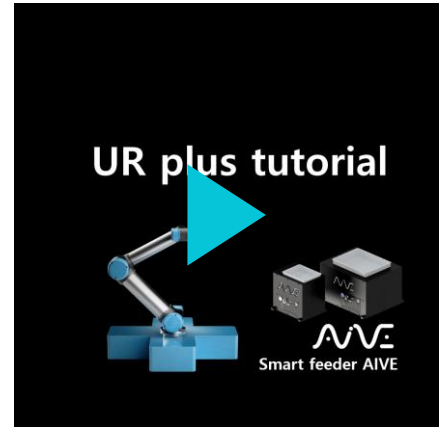# AIVE Video

Tutorial
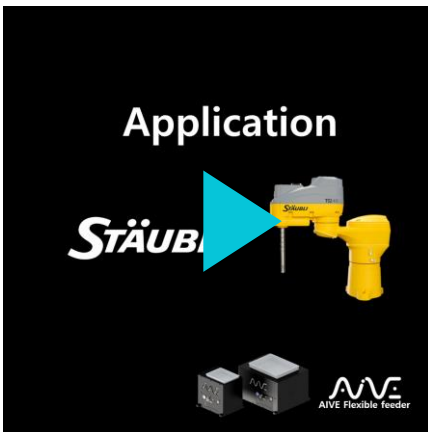

AIVE
Tutorial Easy pc software

Fanuc robotics setting-up tutorial
With Roboeye calibration

Universal robotics
Plug-in tutorial

Application

Staubli TS2-40
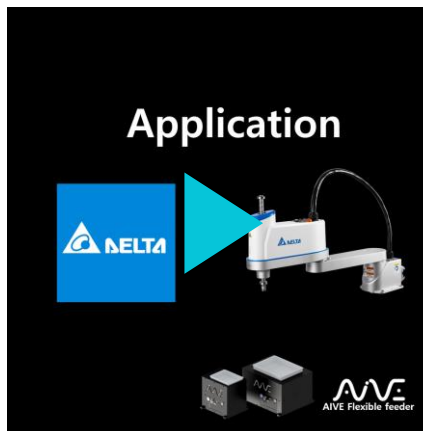Electric parts feeding and sorting

Fanuc SR-3
Plastic lens cover feeding application

Fanuc robotics M1
Electric parts feeding and sorting

Epson with 4unit of AIVE
4different parts of terminals feeding

Delta robotics
Tiny rubber parts palletizing

Mint robot PAL A4
Tiny parts palletizing application