CKD's ABSODEX Lineup
can be used for any application

Excellent for Assembly/Inspection

AX1000T Series

Most suited for Precision Alignment/Positioning

AX7000X Series

High Precision

(Repeatability)

High Accuracy

(Runout/Indexing Accuracy)

Allowable Load Inertia

(Moment)

CKD ABSODEX LINE UP

High Speed Operation

Magnificent High Speed Operation

AX2000T Series

Variation

(Torque, Interface)

Superb for Assembly/Conveyance/Index tables

AX4000T Series

Space Saving

Great for miniaturizing equipment

AX6000M Series

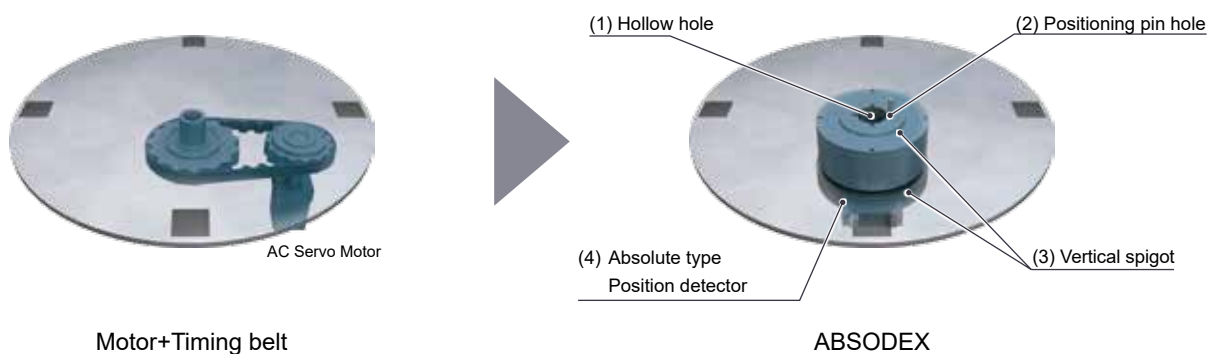# All actuators are absolute types

3 user friendly features of ABSODEX

Flexible Operation

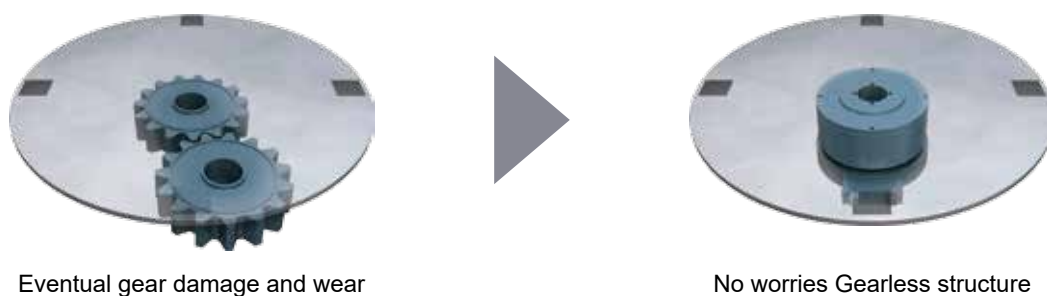With an abundant programming function - realize the operation that you want.

Indexing   Oscillations   Oscillations

Reduce Workload and Save Space

A simple design with 4 standard useful features.

AC Servo Motor

Motor+Timing belt

(1) Hollow hole   (2) Positioning pin hole

(4) Absolute type
    Position detector

(3) Vertical spigot

ABSODEX

High Reliability and Maintenance Free

No more damaged or worn gears from a gearless design.

Eventual gear damage and wear   No worries Gearless structure

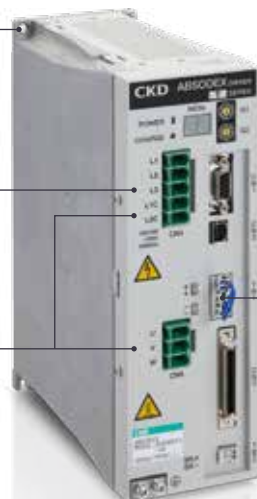# Compatibility

Freely combine drivers and actuators

TS/TH Drivers
(AX1000T, 2000T, 4000T)

Mounting holes added

Separate main power and control power

Use of connectors

Terminal for the Safety function
With the STO Function (Safe Torque Off), one can easily incorporate it with the drive circuit to cut off power.

MU Driver
(AX6000M)

XS Driver
(AX7000X)

Mounting holes

Uses 24 VDC
Realized smaller dimensions.

Uses connectors

Main power and control power are separate

Separate main power and control power
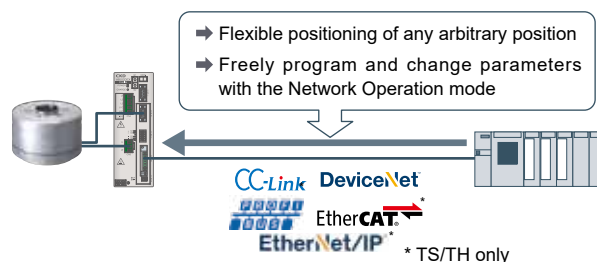
Uses connectors

Great Usability!

- No backup batteries needed
- Freely combine drivers and actuators

Convenient functions

- Various functions for your usage!
- Segmented position output function

Use IoT on your equipment!

- Monitor function (TS/TH/XS wiresaving serial communication)
- Network Operation mode (XS wiresaving serial communication)

➡ Flexible positioning of any arbitrary position
➡ Freely program and change parameters with the Network Operation mode

CC-Link DeviceNet
EtherCAT *
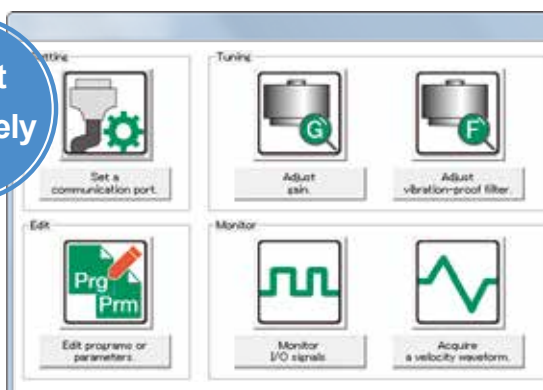EtherNet/IP *

* TS/TH only

Operation made easier

The AxTools is here to help you from operation settings to adjustments.

From experts to novices, the AX Tools is user friendly

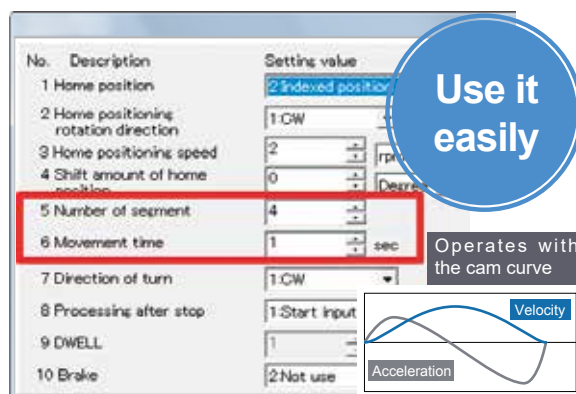Intuitive operation with a simple and easy to use interface.

Freeware

Use it intuitively

Use it easily

Operates with the cam curve

Velocity
Acceleration

Desired conditions can be instantly implemented.

In equal segmental programming, only the number of partitions and travel times need to be input.

Industry's 1st! Equipped with an AI that supports adjustments

Conventionally...

● Tuning relied on experts
● Overseas startups were unstable
● Results of adjustments were difficult to judge

Anyone can use it
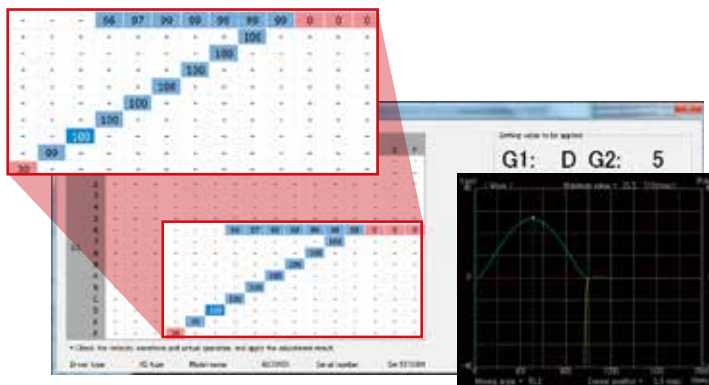
Adjustments made by the AI

Input the conditions

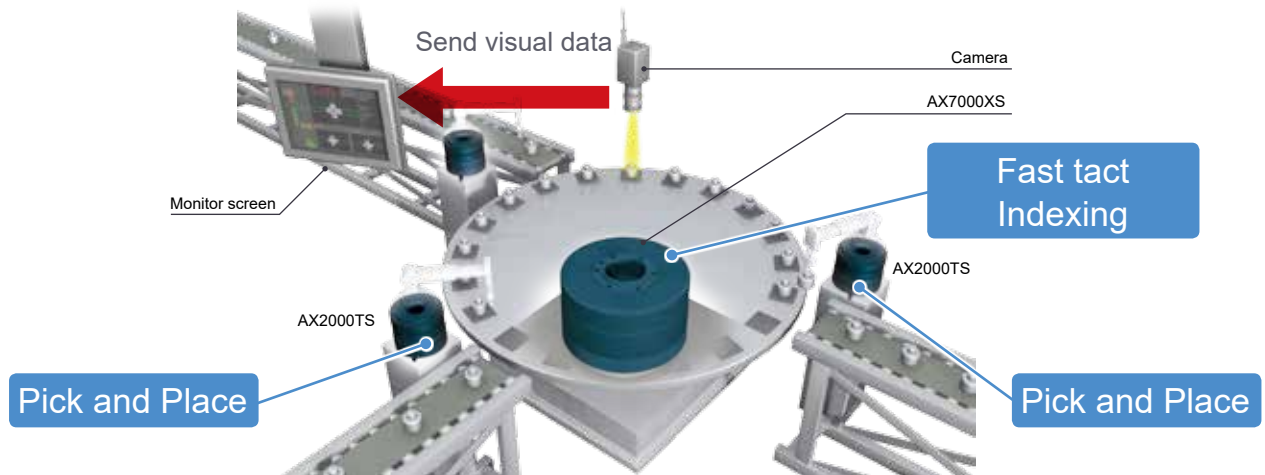Data is acquired automatically and the most suited tuning is advised with a score

G1: D G2: 5

Also, simultaneous confirmation of the operation wavelength is possble
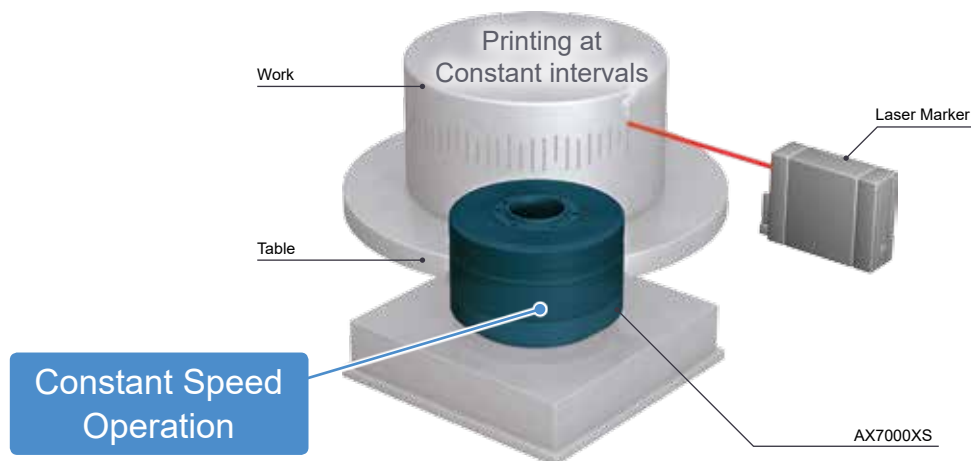
Click

Operation examples

Electronic Parts Inspection

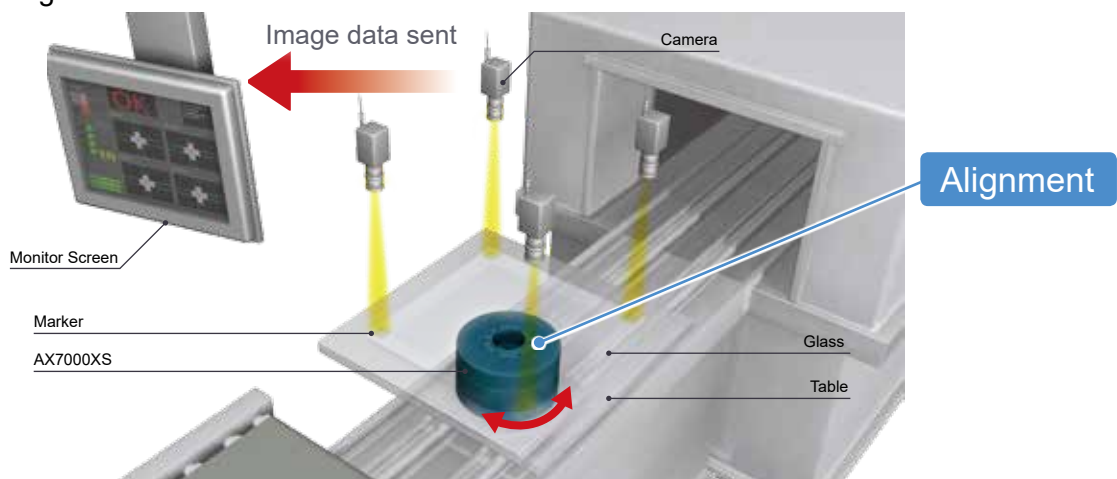Operate the AX with multiple machines and achieve fast tact

Send visual data

Camera

AX7000XS

Fast tact Indexing

Monitor screen

AX2000TS

AX2000TS

Pick and Place

Pick and Place

Laser Labeling of Workpieces

Laser marking is done at constant increments.

Printing at Constant intervals

Work

Laser Marker

Table

Constant Speed Operation

AX7000XS

Laser Labeling of Workpieces

Laser marking is done at constant increments.

Image data sent

Camera

Alignment

Monitor Screen

Marker

AX7000XS

Glass

Table

Conveyor of Electronic Substrate

Rotate electronic substrates by 90°

Compact / Light weight Positioning

AX6000MU
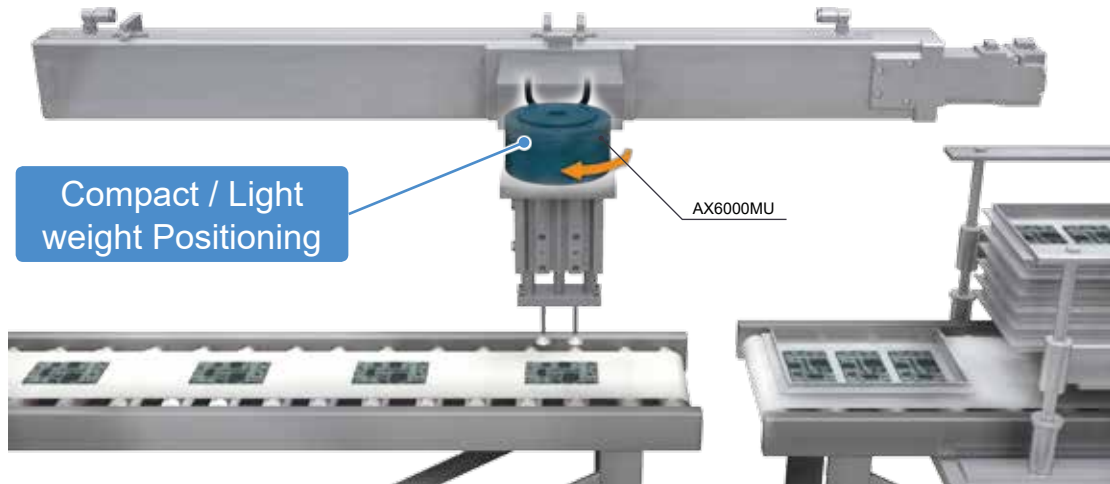
Pick and Place

Work is conveyed using an equipped parallel displacement mechanism.

Space Saving P&P

AX6000MU
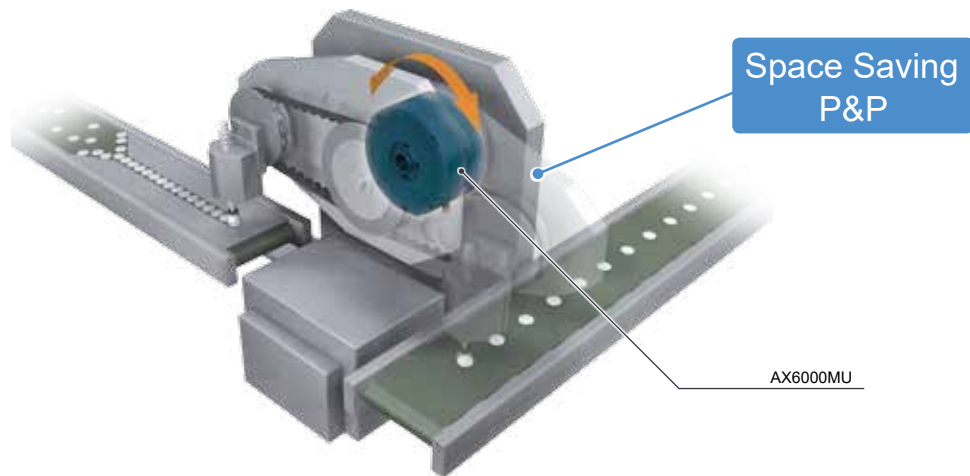
Assembly, Inspection Machines

Conduct setup changes without time loss

Mass Customization Compatible with Manufacturing

Press fitting

Inspection

Inspection

AX4000TS

AX2000TS

AX2000TS