CKD's ABSODEX Lineup
can be used for any application
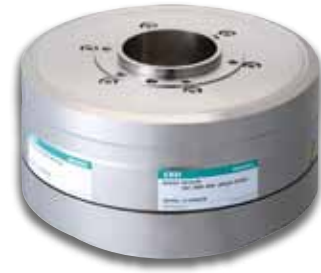
Excellent for Assembly/Inspection

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)

Space Saving

Superb for Assembly/Conveyance/Index tables

AX4000T Series

Great for miniaturizing equipment

AX6000M Series

All actuators are absolute types
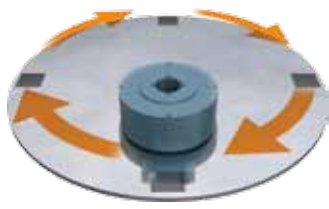
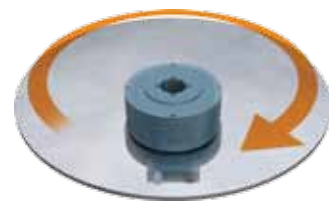# 3 user friendly features of ABSODEX

Flexible Operation

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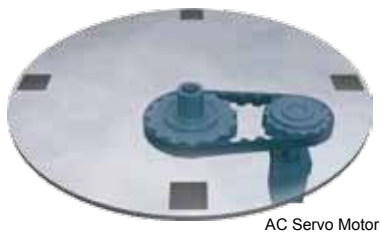
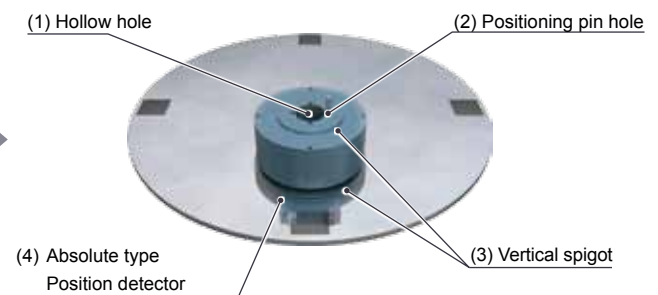Indexing   Oscillations   Oscillations

Reduce Workload and Save Space

A simple design with 4 standard useful features.

(1) Hollow hole   (2) Positioning pin hole

(4) Absolute type Position detector   (3) Vertical spigot
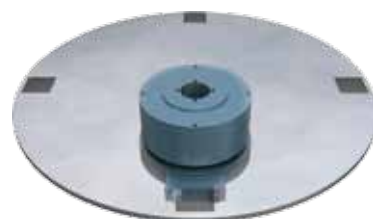
AC Servo Motor

Motor+Timing belt   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

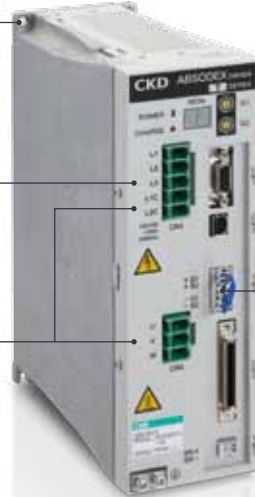## Freely combine drivers and actuators

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)

Uses 24 VDC
Realized smaller dimensions.

Uses connectors

Main power and control power are separate

XS Driver
(AX7000X)

Mounting holes

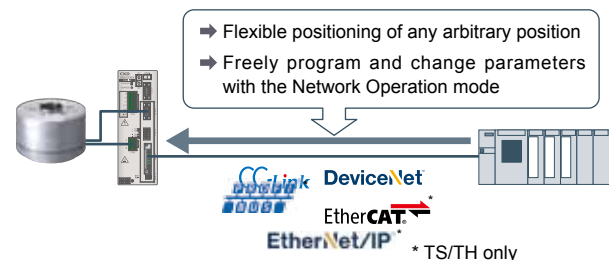Separate main power and control power

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 *

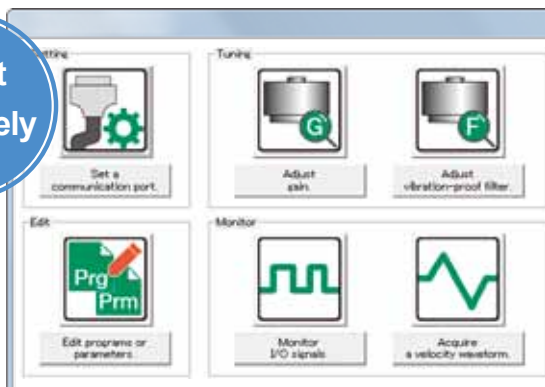* TS/TH only

SOFTWARE

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

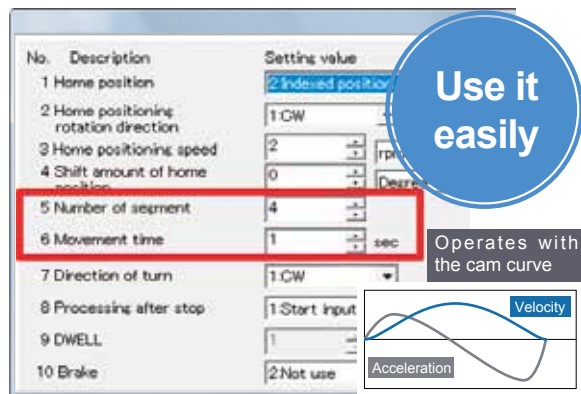Intuitive operation with a simple and easy to use interface.

Use it intuitively

Use it easily

Desired conditions can be instantly implemented.

Operates with the cam curve

Velocity
Acceleration

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
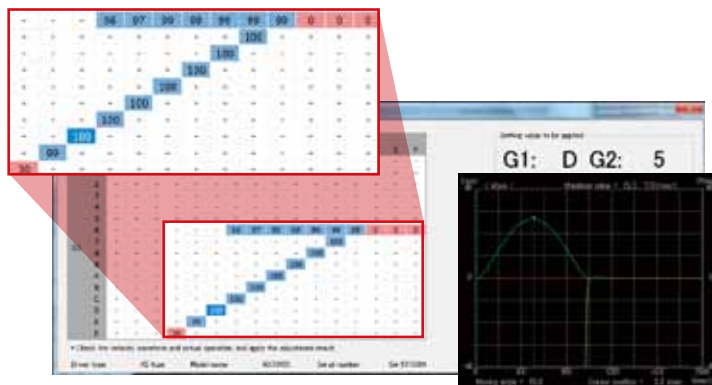
Anyone can use it

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