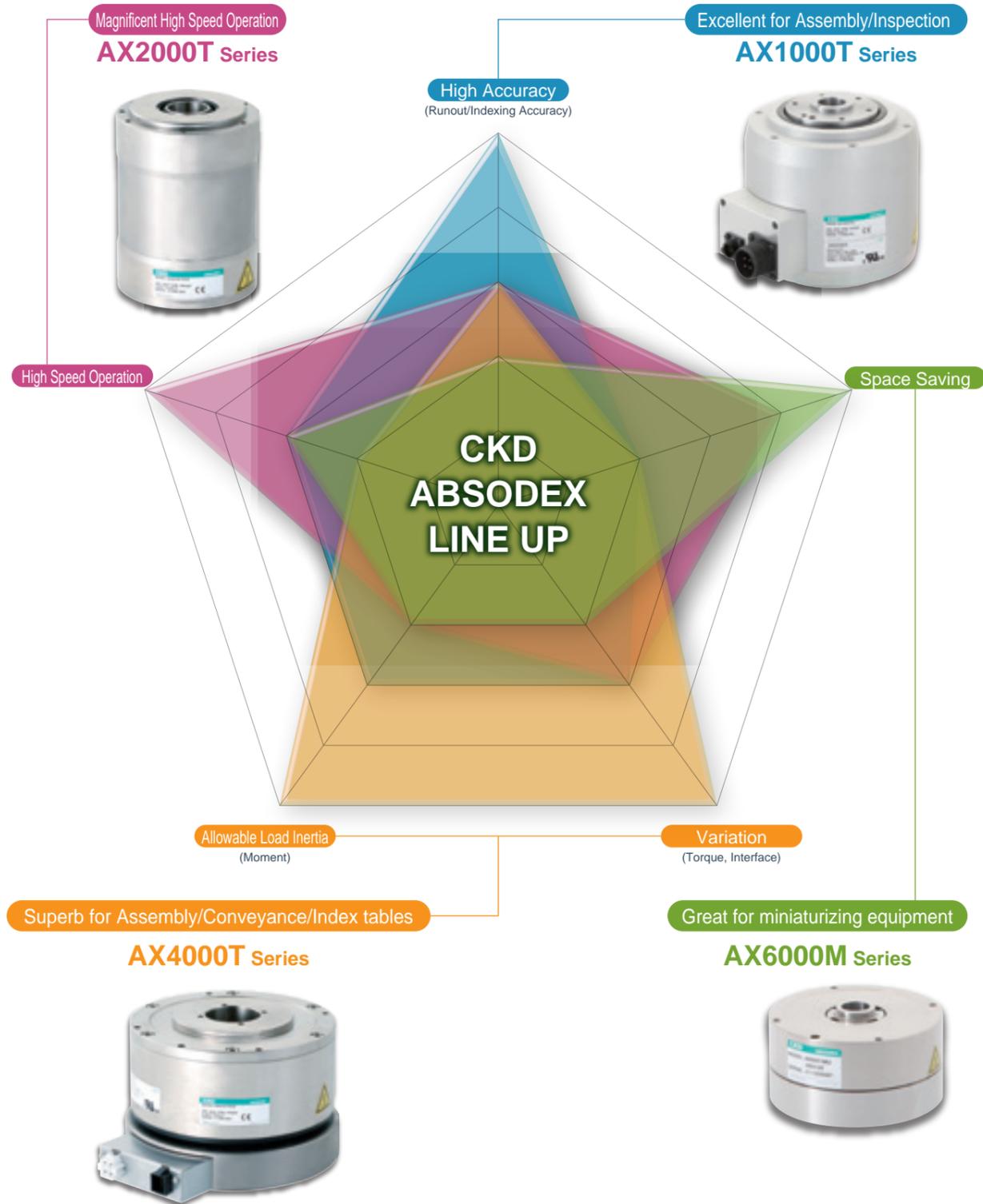


A broad lineup of ABSODEX selectable according to applications/purposes



All actuators are absolute types

3 user friendly features of ABSODEX

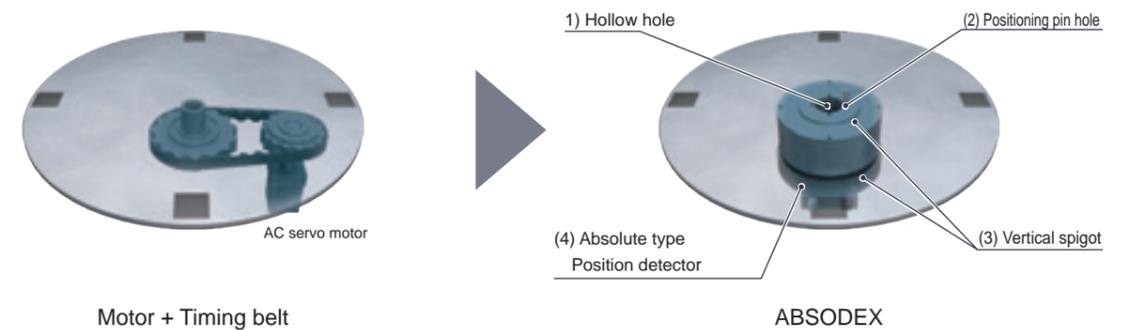
Flexible Operation

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



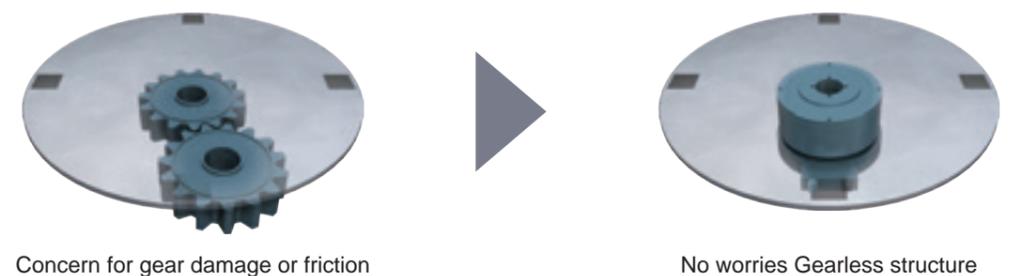
Reduce Workload and Save Space

A simple design with 4 standard useful features.



High reliability & maintenance-free

No more damaged or worn gears from a gearless design.

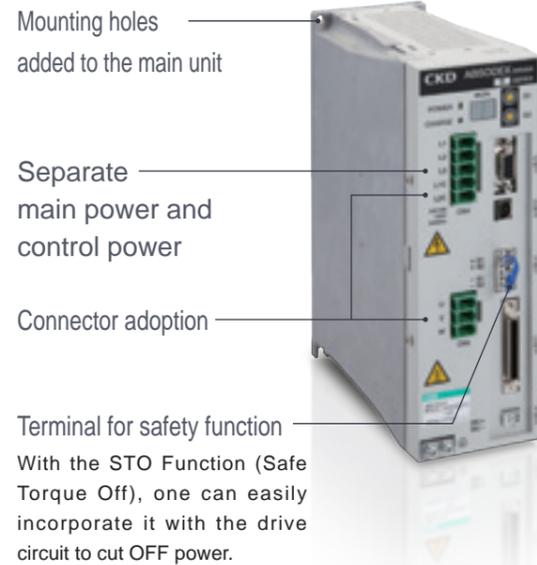


Compatibility

Freely combine compatible drivers and actuators

TS/TH driver

(AX1000T, 2000T, 4000T)



MU driver

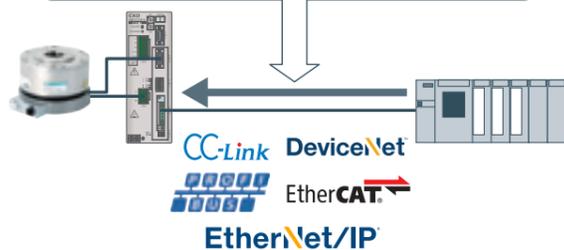
(AX6000M)



For the IoT of equipment!

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

- ➔ Flexible positioning to any point
- ➔ Freely program and change parameters with the Network Operation mode



Great usability!

- No need of backup battery for holding absolute position
- Freely combine compatible drivers and actuators

Convenient functions that suit many applications

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

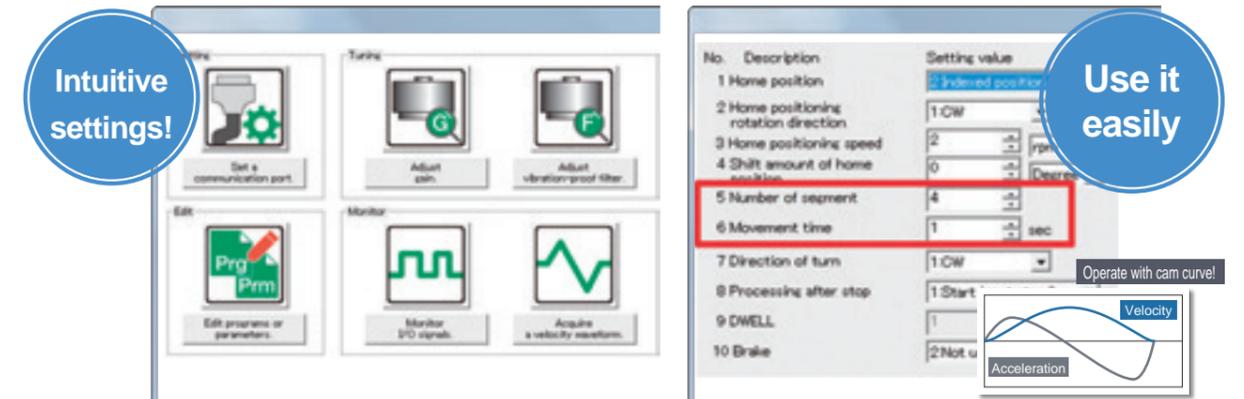
Operation made easier

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

AX Tools is Easier than ever to use for both first-time and experienced users.

Intuitive operation with a simple and easy to use interface.

Free software



Desired conditions can be instantly implemented.

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

Industry's first! Equipped with an AI that Supports adjustments

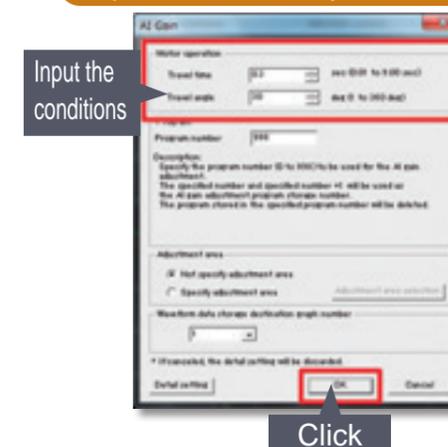
Conventionally...

- Tuning relied on experts
- Uncertainty when performing startup overseas
- Determining the quality of adjustment results was difficult

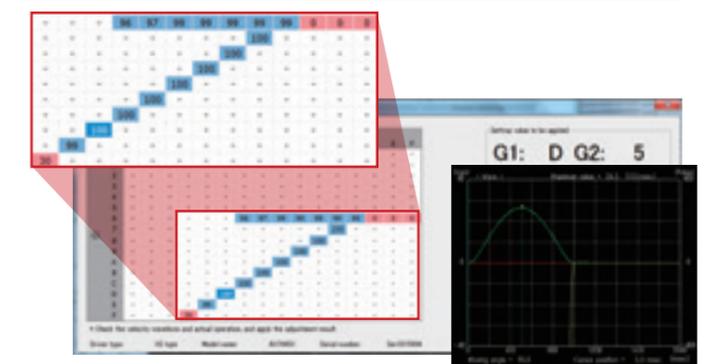


Anyone can use it

Adjustments made by the AI



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

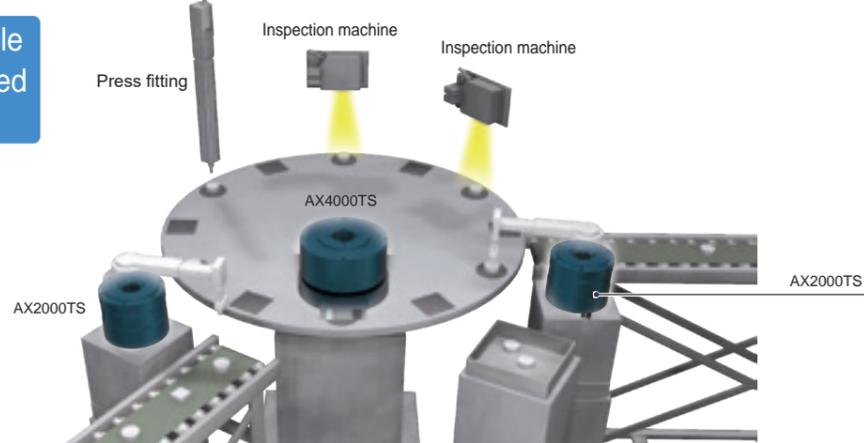


Case Study

Assembly, Inspection Machines

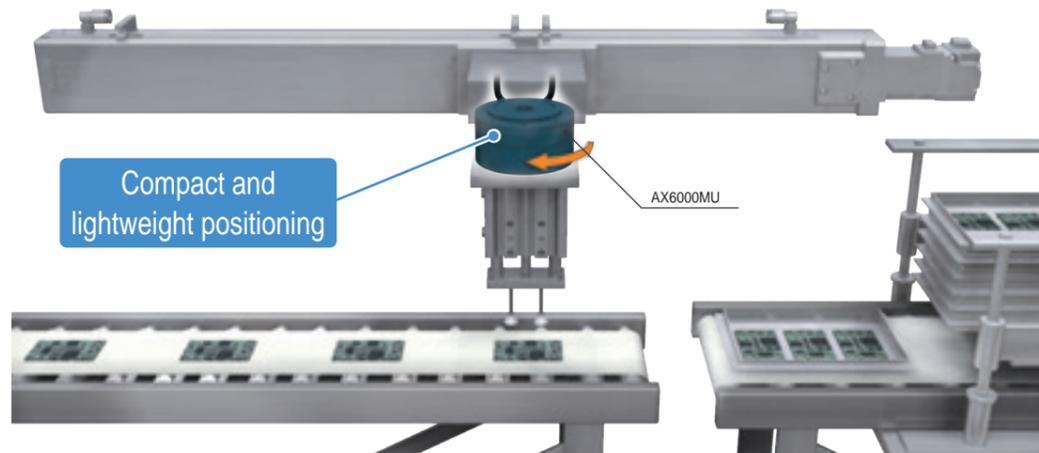
Conduct setup changes without time loss

Operation compatible with mass customized production



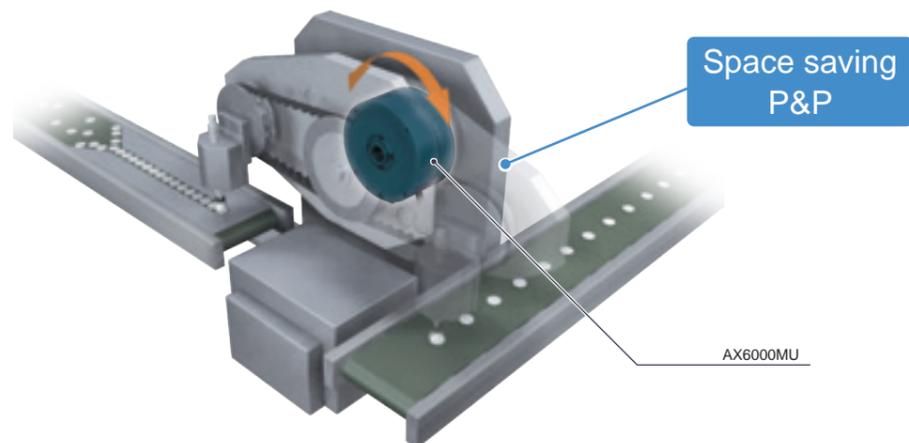
Electronic substrate conveyor

Rotate electronic substrates by 90°



Pick and place device

Work is conveyed using an equipped parallel displacement mechanism.



Compact and easy to use

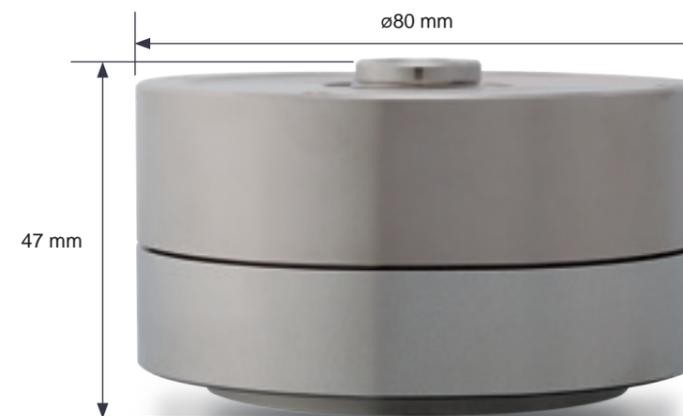
AX6000M Series



Industry's smallest and lightest!

*As of October 2016, CKD research

Weight 1.2kg



Ideal in these situations

● Conveying minute workpieces.

● Θ correction of movable parts.

Compatible with a Wide Range of Needs

AX1000T/AX2000T/AX4000T Series



AX1000T Series

- 5 sizes lined up from 22 to 210 N·m
- Improved indexing accuracy and deflection of shaft/surface, allowing for precise positioning

Most suited for

- Precision measurements
- Inspection machines
- Assembly machines

AX2000T Series

- 3 sizes lined up from 6 to 18 N·m
- High speed operation, compact design

Most suited for

- Pick and Place
- Turn tables
- Assembly machines

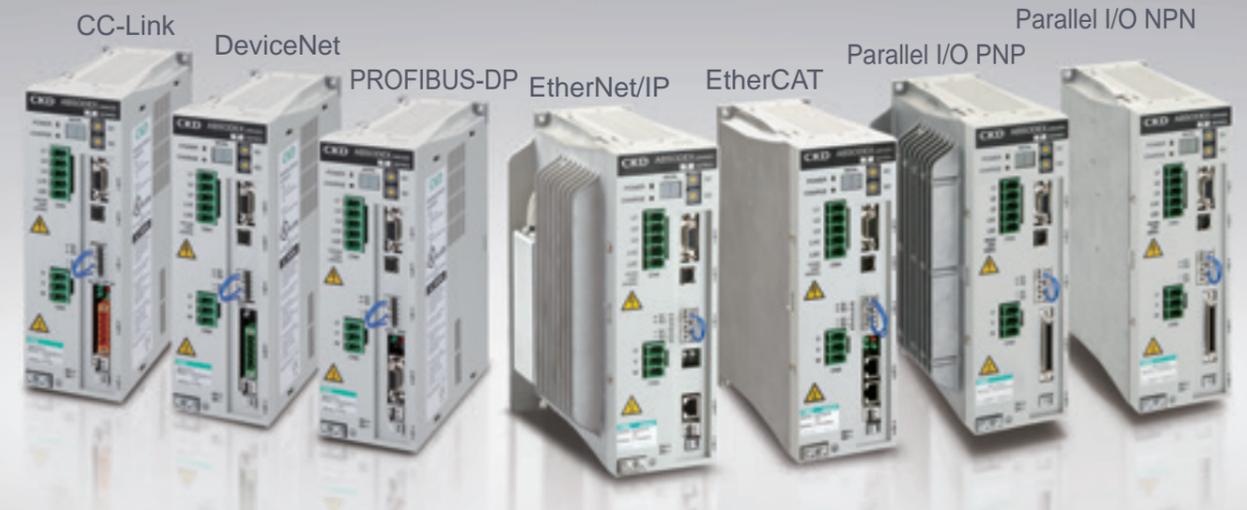
AX4000T Series

- 8 sizes lined up from 9 to 1000 N·m
- Wide selection, supporting large inertial loads

Most suited for

- Pick and Place
- Turn tables
- Inspection machines
- Assembly machines

AX9000TS/TH Series



Safety Standards

Safety Standard Certification compatible (Safe Torque Off function)

International Standards

Compliant with UL/cUL (N.A. standards) and CE (European standards)



Support for domestic and international networks



Ideal for the IoT of equipment!!

● Abundant monitoring functions

The current status of ABSODEX can be monitored with extensive monitoring functions such as current position, speed, electronic thermal value, and alarm.

● Monitor function also available for preventive maintenance!

- Torque load factor: Monitors current torque load factor.
- Acceleration: Monitors current acceleration status.

● Network operation mode (Direct value mode) added!

The network operation mode allows flexible positioning from the host controller to any position.

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EtherCAT® EtherCAT® is a patented technology, licensed by Beckhoff Automation GmbH in Germany.

EtherNet/IP® EtherNet/IP® is a registered trademark of ODVA.