

MIDORI's Multi-turn Sensor

CP-22H

Usage Case



Case 1

User

A Forklift maker

Market

Industrial vehicle

Installed

Forklift

Application

Handle angle detecting
● Detecting rotational angle



User's Voice



We used to use multi-turn conductive plastic potentiometers and changed into CP-22H. **The detecting part of CP-22H is contactless** so that failure mode of worn-out has not been occurred. Thus **replacement frequency has been decreased** greatly.

Case 2

User

A Material handling maker

Market

Material handling

Installed

AGV

Application

Tire steering angle detecting
● Feedback control for tire steering angle



User's Voice



CP-22H is **built-in reduction gear type** of multi-turn rotary sensor so we did not prepare reduction gear device by ourselves. We could **reduce cost** of additional mechanical parts.

Case 3

User

A Conveyance device maker

Market

Industrial machinery

Installed

Electric actuator

Application

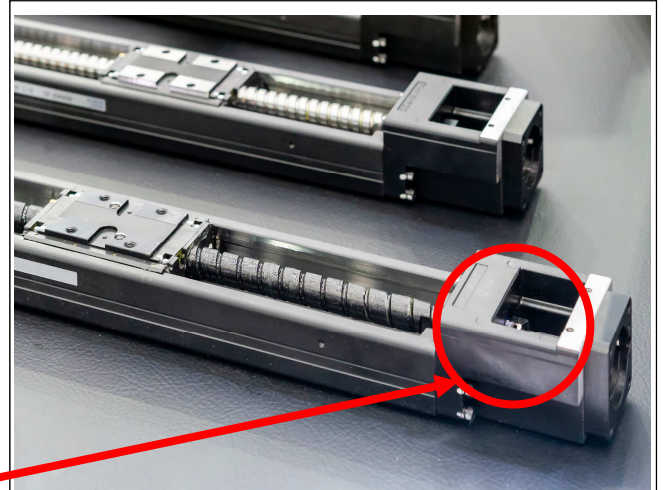
Positioning of Slider

- Detecting ball-screw's rotational angle and number of rotation

User's Voice



We have used CP-22H for **detecting absolute multi turn angle position** of actuator's ball-screw. Size of CP-22H is good for our actuators having small space for sensors.



Case 4

User

A Construction machine maker

Market

Construction machinery

Installed

Crane

Application

Control of boom length

- Detecting extended position

User's Voice



CP-22H is not only **compact size** but it also has **water and dust proof**. We could use it at outside without cover. Moreover its output is absolute multi turn. It can be used control of position by absolute position.

