

MIDORI's Small Tilt Angle Sensor THD2000Z Usage Case



Case 1

User A medial equipment maker

Market Medical equipment

Installed Surgical table

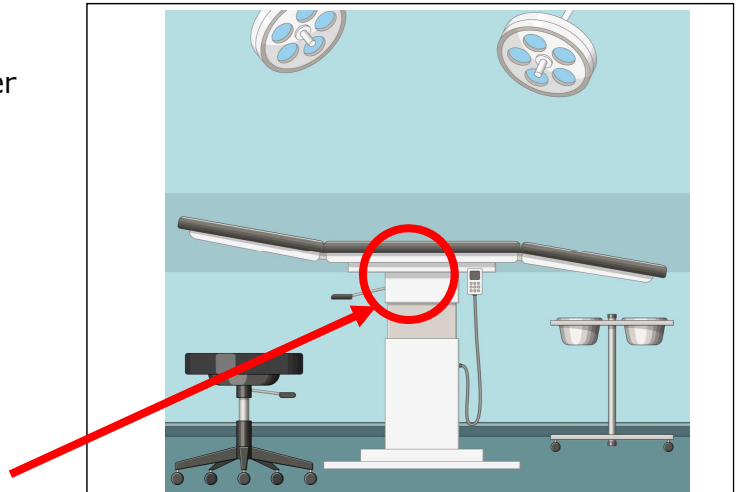
Application Control of tilt angle

- Detecting tilt angle position (X,Y axis)

User's Voice



2 Rotary potentiometers had been used for detecting X & Y axis of the surgical table the past. THD2000Z can be **measured both of X & Y axis by only a unit.** Then we have been able to realize both of **cost-down and down-sizing.**



Case 2

User A Civil engineering measurement maker

Market Civil engineering & construction

Installed Viaduct

Application State monitoring of bridge girder

- Detecting tilt angle of the road

User's Voice



Analog output type of the tilt angle sensor had been used for ages. By replacing to THD2000Z which has **serial output and digital damper functions,** measuring data has been **raised reliability more.**



Case 3

User

A Specially equipped vehicle maker

Market

Industrial vehicle

Installed

Aerial work platform

Application

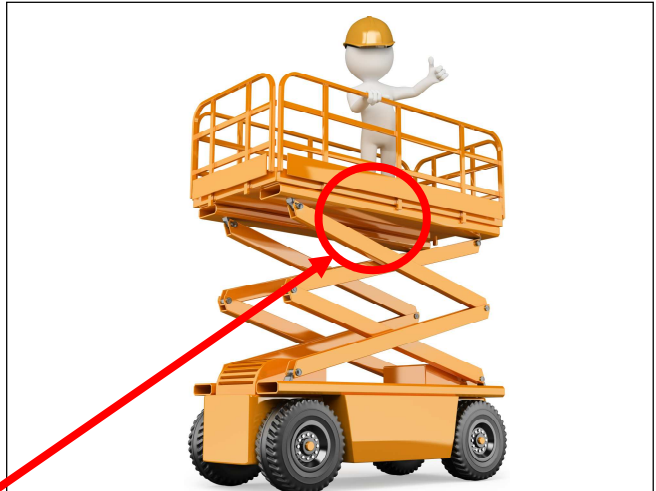
Attitude control of Bucket

- Detecting tilt angle of scissors lift's bucket

User's Voice



Conventional tilt angle sensors were too big for attaching to the small space like our products. THD2000Z is **thin and small** so that we have been able to **attach it to measuring point directly**.



Case 4

User

An Agricultural machine maker

Market

Agricultural machinery

Installed

Riding-type tea plucking machine

Application

Attitude control of vehicle

- Detecting X & Y axis tilt angle

User's Voice



Conventional tilt angle sensors were too thick for attaching to the small space like our products. THD2000Z is **only thickness 10mm** so that we have been able to **attach it to** our machine which has **very small space**.

