

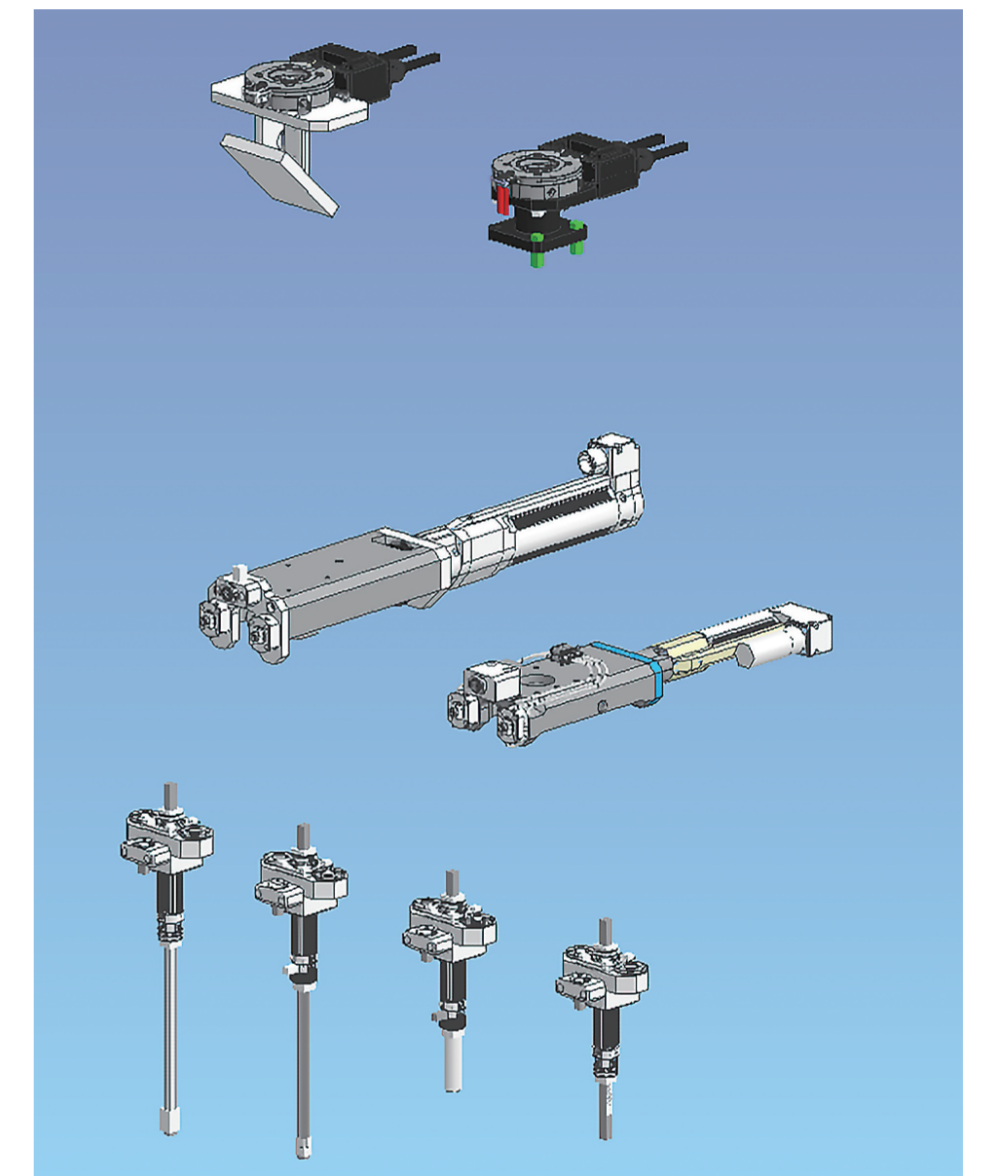
## Robot System for Screw Tightening

### Problems at the screw fastening site

- Different types of screws exist, such as fixing bolts and sunk plugs.
- Confirmation of fastening torque and management of fastening angle are necessary because defective products are not produced.

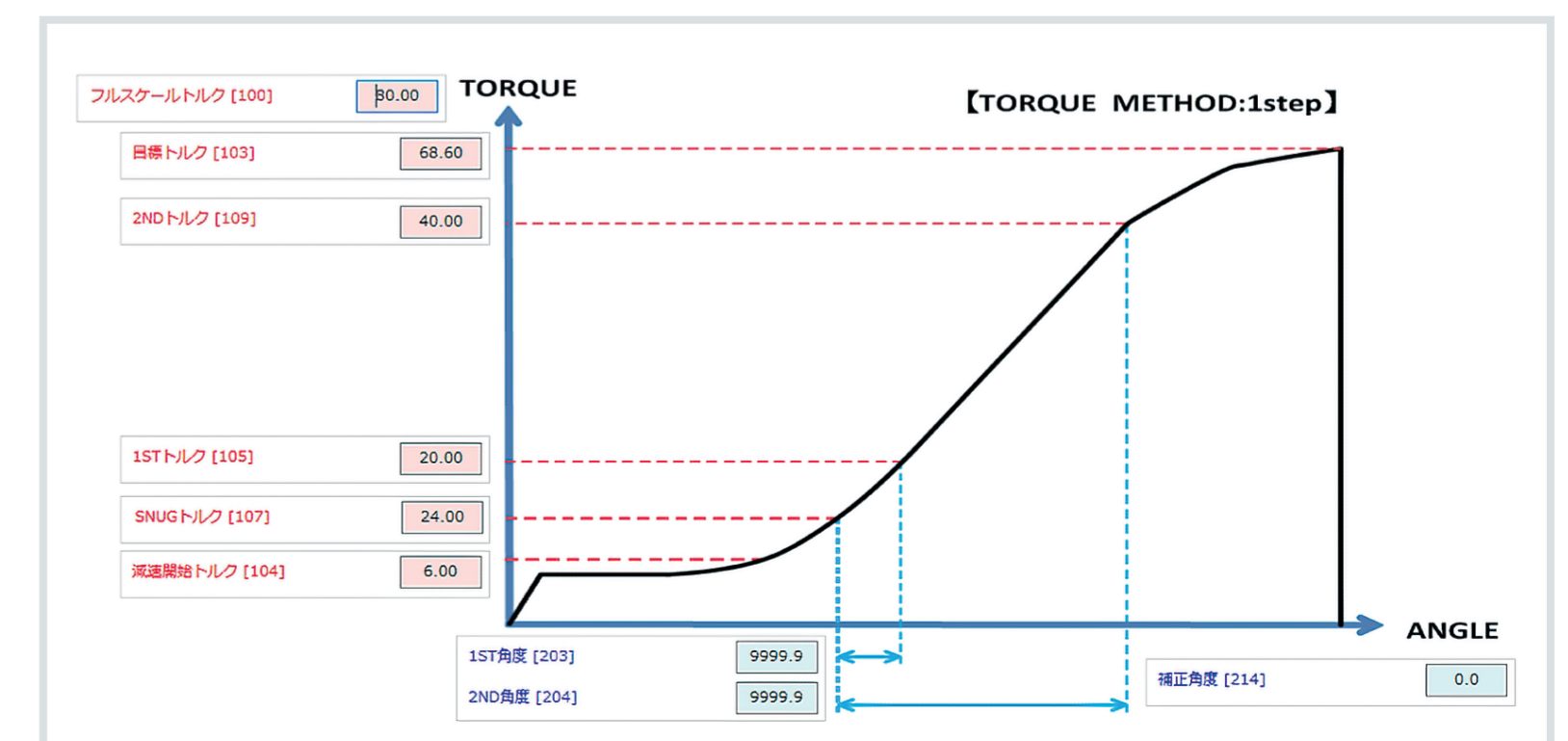
### Combination of tools

- Servo equipment compatible tool changer and our original bit change system can handle a wide variety of screws



### Recording and judgment of various tightening data

- Detects excessive or insufficient tightening torque
- Can be used for traceability in association with work data



# Medium Class Robot With Built-in Cable "FD-B26"

## Built-in cables in hollow-structure arms

- Avoid interference with peripheral equipment due to ejection of hollow-structure cable with built-in cables in shoulder and wrist axis

## Easy linkage with external devices

- Various signal lines and piping are provided as standard from the base to the shoulder connector box. Supports a wide range of tools

## Diverse applications

- Payload 26kg sufficient for mounting various tools such as welding, workpiece transfer and screw tightening



Medium Class Robot  
with built-in cable  
FD-B26

# Collaborative Robot + Micro Nut Runner

## Ideal for handling applications

- 12kg transportability
- Integrated application cable
- Long reach over 1.4m
- Expands the operating area of individual axes. (VC4 compare)
- Design with reduced width of arm hands



## Best-in-class speed

High-speed mode: Maximum 2,500mm/s or  
higher Low-speed mode: Maximum 1,000mm/s

## Micro nut runner

- Industry's smallest and lightest nutrunner
- Ultra-compact torque transducers are installed to ensure high-precision tightening.

