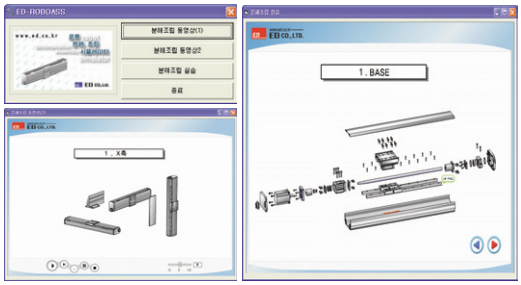
ASSEMBLING ROBOT TRAINER

ED-7300

- Disassembly and assembly practices for the robot actuators
- Utilization of a robot being used in the industry, so to apply a job site after graduation
- Simulation software provided to make assembly or disassembly easily
- Enables basic operation and testing practices on the assembled unit using a controller



> EXPERIMENTS

- Alignment of the disassembled components
- Operating principle of the ball screw and LM Guide
- Understanding of the robot's structure in detail
- Enhancement of manufacturing skills through assembly and disassembly

> SPECIFICATIONS

ROBOT BODY

- **Operation Speed :** 800mm/s
- **Stroke :** 400mm
- **Load :** 15kgf
- **Repeat Accuracy :** ±0.02mm
- **Motor :** AC Servo
- **Motor Capacity :** 100W

SHORT TEACH PENDENT

- **Outside :** Built-in display
- **Function :** LED display of a current status
- **Communication :** RS-232C communication with Controller unit (Fixed)

SHORT CONTROLLER

- **Rating Output :** 100W
- **Power**
  - » Voltage : Single Phase AC220V, 50/60Hz
  - » Capacity : 0.5~1.0(kVA)
- **Encoder :** Incremental type(Line Driver : 9/11/15 line)
- **Program Tool :** Teach Pendant, PC(IBM compatible), Touch panel
- **Position Data Input :** MDI, Direct Teaching, PC(IBM compatible), Touch Panel
- **Program Capacity :** 16,000step(1,000step x 16programs)
- **Sequence Command :** 14 commands(AND, OR, NOT, TIMER, COUNTER...)
- **Position Control Ratio :** Within Encoder ±1 Pulse
- **Serial Communication I/F :** RS-232C or RS-422(Option)

HARD CASE

- A carrying case protective of the equipment
- Storing space for the disassembled robot components
- Indicated by simple assembly and structure drawings
- **Color :** black
- Metal finish applied to the edge for stiffness reinforcement