

• Industrial Robot & System

4-AXIS RECTANGULAR COORDINATES ROBOT TRAINER

New
ED-XYZ

- Experiments on the 4-axis Cartesian robot
- Teaching pendant in 7.5" wide color touch panel
- Standard language for the international industrial robot

- Simulation software in three dimension
- Ethernet communication as standard, and network with PC
- Interlocking experiments with the automation system



> EXPERIMENTS

- Characteristics of the Rectangular Coordinates robot
- Language of the Industrial robot
- Point-to-point transfer program
- Palletizing experiments
- Interlocking experiments with other automation system
- Control by the 3D simulation program

> SPECIFICATIONS

CONTROLLER

- Control Axis : 4-Axis
- Operating Mode
 - » PTP, CP 3-dimensional linear, 3-dimensional circular
- Motor Control : Digital AC Servo
- Memory : 3.25MB
- Language : Denso Robot Language (conforming to SLIM)
- External I/O
 - » System Input : 11 / Output : 14
 - » User Input : 16 / Output : 16
- Communication : RS-232C, Ethernet, 2 USB
- Extension Slot : 3ea

TECHING PENDANT

- Display : 7.5" TFT Color LCD Monitor
- Touch Panel : Design customizable by the user
- Emergency Switch : 4B contact, 4-circuit output
- Deadman's Switch : 3-position type(OFF-ON-OFF)
- Mode Switch
 - » Conversion to 3 positions (AUTO, MANUAL, TEACHCHECK)
- JOG Dial : Line movement and value adjustment

CONTROL UNIT

- System Lamp : DC24V ϕ 16 6Lamps, 1Buzzer
- Control Lamp : DC24V ϕ 8 6Lamps
- Call Lamp : DC24V ϕ 10 2Lamps
- Power : ϕ 24 Switch
- System Switch : START, STOP, RESET
- Manual Switch : 3 Switch
- Tower Lamp : DC24V, 3colors
- System Control : Input 16, Output 16

ROBOT BODY

- Type : 4-Axis Rectangular coordinates Robot
- Load : 5 kg

- Precision : 0.025mm
- Range : 450(X) x 400(Y) x 200(Z)mm W $\pm$ 270
- Max. Speed : 1,000mm/s
- Motor : AC Servo Brakes Motor
- Encoder : Absolute Encoder
- Weight : 66kg
- User Air Port : -
- Robot Gripper
 - » Type : Pneumatic operation type
 - » Motion Range : 12mm
 - » Wight : 2kg

AUTOMATIC CLASSIFICATION & STORAGE SYSTEM

- Frame, Protective Cover
 - » 1600(W) x 2000(H) x 1200(D)mm
 - » Aluminum profile structure
 - » Transparent acryl 10t
 - » OPEN detecting sensor (built-in)
 - » Auto caster for movement or fixation
- Supply Unit
 - » Materials : 39mm
 - » Max. Load Capacity : 8ea
 - » Cylinder : 75mm (sensor mounted type)
- Transfer Unit
 - » Motor : DC24V, 1600rpm
 - » Detection : DC 24V Optical Sensor DC24V
- Inspection Unit : Detects materials and colors
- Palletizing Unit : Storing capacity : 3 x 3
- Storage Cell
 - » Partition : 4
 - » Detection : DC24V Sensor

ACCESSORIES

- Dummy Object : 1set
- Protective Cover : 1ea
- User Manual : 1ea