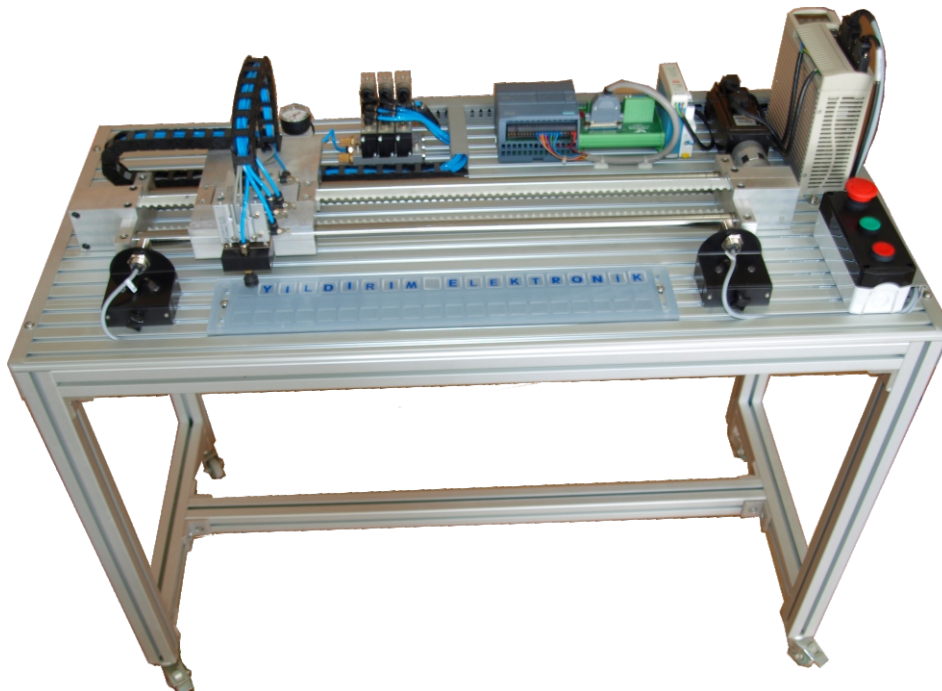


Y-0047-01 SERVO MOTOR-PNEUMATIC APPLICATION SET

Servo motor-Pneumatic application set is designed for the position and speed control of the servo motor, identification of the parameter values, usage of the electro pneumatic and sensor technologies, utilization of the servo motor by PLC as well as the development of algorithm process.

By programming the servo motor-pneumatic application set, the required article series could be written by the plastic letters. Due to the fact that this application servo motor has been used with the PLC and electro pneumatic technologies, the subjects could be learned accordingly.

An operator panel (HMI) and/or camera could be inserted to the system. By the support of the camera, the desired letter could be written among the random arranged letters by using the image processing system.



TECHNICAL SPECIFICATIONS

- **Servo Driver:**
 - Working Modes:** Speed Control, Torc control, Position control (internal or external position), Position / Speed, Speed / Torc, Position / Torc
 - Speed Control and Torc Control:** $\pm 10V$ analog input (0-4500 rpm) or digital input (0-3000 rpm) could be assigned. It could be monitored or amended max torc (3,82 Nm)
 - Position Control:** External Position (open collector or line driver pulse input)
Internal Position (by digital inputs, the assigned 16 position)
 - PC Communication:** RS232/RS485 Modbus, Windows based Setup software
 - Digital I/O:** 13 Programmable digital input, 8 programmable digital output
 - Main positioning:** Home, origin search and position instruction functions.
 - Encoder Dissolubility:** 2500 ppr line driver (A/B/Z and others)
Internal braking unit, Notch filtered, protection functions and alarm messages, monitoring all I / O status, while engine is running, the status information could be on-line monitored (Torc, rpm, pulse etc).
- **Servo Motor:** AC servo 400 W. 3000 rpm. Nom. 1,274 Nm.
- **PLC:** 14 digital input / 10 digital output
- **Pneumatic Elements:** The pistons that move in the Y and Z axis and mounted on the movable mechanism on the linear axis.
- 4 magnetic sensors on the piston, The vacuum generator, Solenoid valve block, Manometer and pressure regulator.
- **Sensors:** 2 pcs inductive sensor moveable on aluminum channel, the couple magnetic sensors on the pistons
- **External Power Supply:** 24V
- Emergency, start-stop buttons
- **Linear Axis:** Timing belted, linear bearing at the height of 75 cm
- **Dimensions:** 110x100x50 (WxHxD)

Y-0047-01
SERVO MOTOR-PNEUMATIC APPLICATION SET

ACCESSORIES

- System introduction and user manual as well as application software CD
- Servo driver software CD
- Servo driver-PC programming cable
- PLC programming cable
- PLC software CD
- 30 plastic flake and letter tags

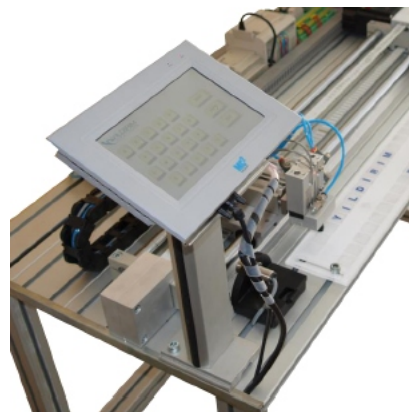
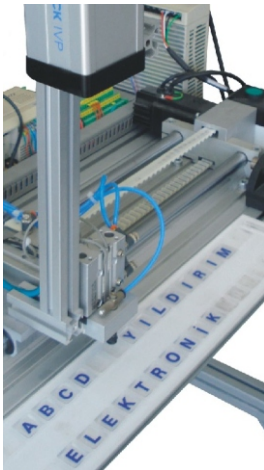


YOUR REQUIREMENTS FOR THE APPLICATION

- 25 lt/mn, 6 bar Air Compressor

OPTIONS

- **Touch Screen Panel** 65536 colored LCD TFT screen, screen size 5.7", Ethernet RS232/RS485 serial port, control function blocks, Standard C programming, the program could be loaded easily by using Ethernet or usb cable
- **Camera** After programming by PC, independent operation, the easy adaptation for robot and control systems by camera with OPC server and EthetNet/IP specifications, Measuring, verification, character recognition and barcode reading, 2D, image analysis, image capture specification, 1/3" CCD, 800 Mhz, 640x480 pixel, 30 fps, Memory RAM 128 Mb, Flash 16Mb Communication protocols: RS-485, Fast Ethernet (10/100 Mbit/s) TCP/IP, Digital 4 Inputs/4 Outputs,



TRAINING SUBJECTS

- Regulation and Monitoring of Servo Motor parameter values
- PLC-Servo Engine-Electro pneumatic control and algorithm development activities
- Electronic connection of the mechanic structure and controlling
- Application of sensor and pneumatic elements in the automation systems
- Operator Panel applications
- Industrial Camera applications
- Installing/Mounting application
- Diagnosis and Defect repairs
- Comments and documentation review