

# 2 AXIS SERVO MOTOR DRIVE TRAINER

## MODEL: FA-403-SM

### Description

The 2 Axis Servo Motor Drive Trainer is an educational tool designed to teach and demonstrate the principles of servo motor control and automation. It features two servo motors that can be controlled independently along two different axes. This trainer typically includes a control panel or interface for programming and adjusting motor movements, allowing users to practice and understand concepts like motion control, feedback systems, and PID tuning. This trainer is commonly used in training environments to provide hands-on experience with motion control systems, making it a valuable tool for students and professionals in fields like robotics and mechatronics.

### Able to learn :-

- Function and characteristic of servo motor drive
- Set up, commission, power up and configure of electrical servo drive system
- Positive drive and speed control
- Set up different parameter for speed, homing, positioning and torque control
- Absolute / relative position control
- Sequential control of position
- Free movement under the coordination of X-Y
- Z axis with marker pen writing
- Fault findings in servo drive control system



### Required Item :-

- 2 Axis Servo Motor System Module
- Operation Manual
- Experiment Manual
- PLC trainer kit

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# PLC 2 AXIS SERVO MOTOR DRIVE TRAINER 40400

## Component :-

No	Component	Qty
1	100w Servo motor	2
2	Linear roller bearing drive	2
3	Safety limit switch	4
4	Magnet proximity switch	2
5	Pneumatic cylinder	1
6	5/2-way solenoid valve 24Vdc	1
7	Marker Clamping device	1
8	Servo motor controller	1
9	Push button : DC24V	2
10	Emergency switch : DC24V	1

No	Component	Qty
11	Profile structure	1
12	Proximity structure	2
13	Limit switch	4
14	Operating console module	1
15	Cable Chain	2
16	Magnetic board	1
17	DC24V power supply 5.1A	1
18	Interface Cable	2
19	PLC controller	1
20	Human Machine Interface (optional)	1