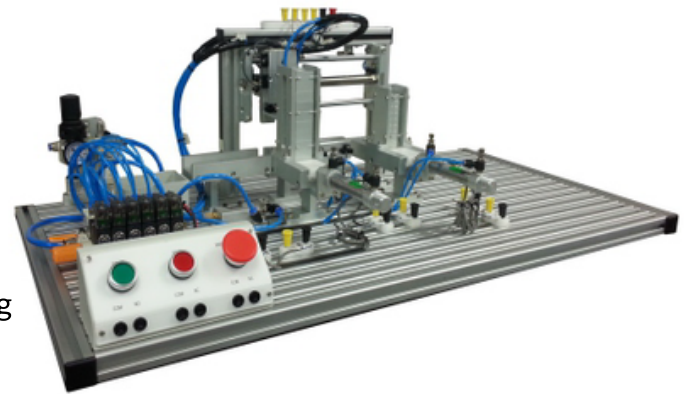


# PLC PNEUMATIC MATERIAL VACUUM ASSEMBLY APPLICATION TRAINING SET (EPA05)

## Description

The PLC Pneumatic Material Vacuum Assembly Application Training Set is a hands-on educational kit designed to teach how to use vacuum technology in electro-pneumatic systems. It includes components like vacuum valve, sensors, and actuators, allowing users to build and experiment with systems for handling and moving materials using vacuum suction. This set provides practical experience with integrating vacuum technology and pneumatic controls.



## Able to learn : -

- Function and characteristic of vacuum assembling system
- Control the speed and positioning cylinder
- Design, construct and operation of material feeding, detection, vacuum pick up and assembly
- Design and construct electrical and pneumatic diagram of the system
- Calculate and determine the pressure and speed of the operation
- Identify different proximity sensor
- Creating sequence control by PLC program
- Fault findings in electrical hydraulic control system

## Required Item

- Vacuum Assembly Training System
- Operation Manual
- Experimental Manual
- Air Compressor

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### Technical Specification : -

No	Component	Qty
1	Air Service Unit	1
2	Solenoid Valve	5
3	Linear Actuator	3
4	Linear Slide Actuator	1
5	Twin Rod Actuator	1
6	Proximity Sensor	10
7	Speed Control Valve	10
8	Vacuum Valve	1
9	Suction holders & Cup	1

No	Component	Qty
10	Operation Push Button Module	1
11	PLC CPU unit	1
12	DC Power Supply Unit	1
13	Termination Block	1
14	Air Fittings	1
15	Pneumatic Tube (1M)	20
16	Aluminum Profile Work Base	1
17	Aluminum Work Piece	10
18	Vacuum Assembly Structure	1