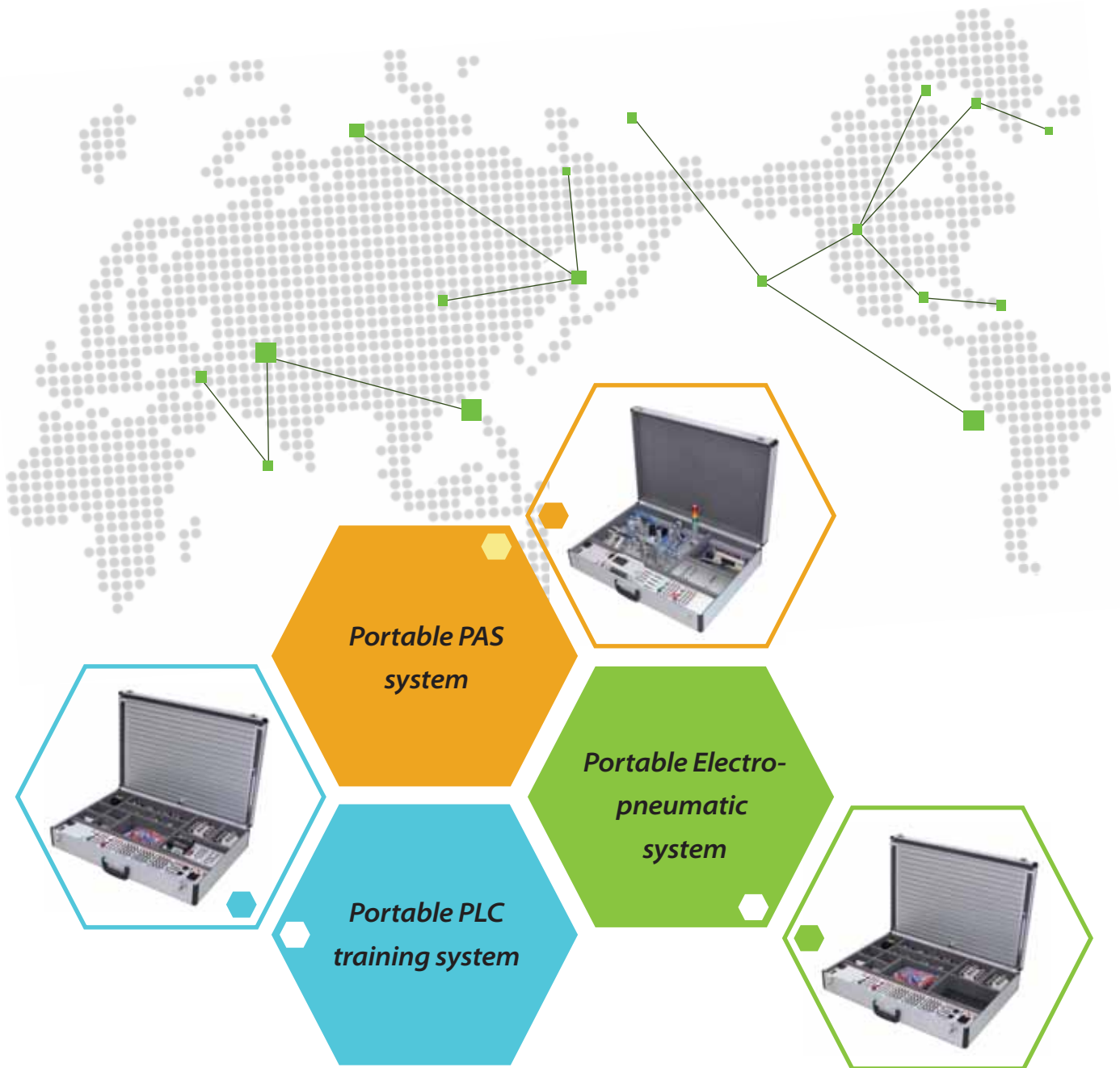


# Portable Training System



## Portable Electro-Pneumatic Training System

- EASY**
  - Easy to handle
  - Easy to understand the principle of Electro-pneumatic & PLC
- ECONOMIC**
  - Save your expenses
  - Save your time & space
- PORTABLE**
  - Minimize all the components
  - Suit-case type bag with aluminum profile

### FEATURES

Compact & portable electro-pneumatic training set  
 High quality pneumatic parts and the finest sensors  
 Includes all the necessary parts and accessories for immediate training  
 Reduce installation time, space and logistical cost

- Mobile electro-pneumatic trainer
- Easy training in a limited space
- Smaller industrial parts used
- DC power supply inserted
- 2mm standard electric socket

### TRAINING CONTENTS

- Basic principle and physical fundamentals of electricity
- Structure, function and application of electrical components
- Sequence-controlled by relay

### SPECIFICATION

Model	AV-PS-E145
Size	(W)727*(D)495*(H)138 (mm)
Weight	Approx. 12kg
Power	AC220v / DC24v
Operating pressure	0.5MPa



### OPTION

PLC Board  
 (Custom- made any compact type PLC)  
 -Siemens, Mitsubishi, Omron, Allen-Bradley....  
 PLC is used for cylinder control and sequence operating instead of relay panel, time relay and counter  
 Extending use available for PLC training system by additional order of PLC with basic electro-pneumatic portable system

### TRAINING CONTENTS

- Design & control program
- Control of sequence and process by PLC
- PLC Programming
- PC-PLC interface

### BASIC COMPOSITION

Item	Q'ty	Image	Item	Q'ty	Image	Item	Q'ty	Image
Regulator	1ea		5/2 solenoid valve (4-fold)	1set		5/2 double solenoid valve (4-fold)	1set	
Double cylinder	2ea		Double cylinder (with magnetic s/w)	2ea		Electrical Limit switch (right & left)	2set	
Proximity sensor module	1set		Inductive sensor module	1set		Push button switch set	1ea	
Relay	3ea		Digital counter	1ea		Push button switch set (emergency)	1ea	
Time delay	1ea		Power supply	1ea		2mm cable set (100ea)	1set	
Suit type case (with profile)	1ea		Plastic hose	1ea		* PLC unit ( Option) PLC Type select	1ea	

## Portable PAS Training System



**EASY**

- Easy to handle
- Easy to understand the principle of FA system

**ECONOMIC**

- Save your expenses
- Save your time & space

**PORTABLE**

- Minimize all the components
- Suit-case type bag

### FEATURES

- Composed of various mechatronics modules
- Open structure for training
- Smaller industrial parts used
- System design, assembly, programming, operating and maintenance skill
- Various training job depend on the trainees' level
- Sensor, actuator and processor integrated system
- Aluminum profile panel with 25mm groove to fix the modules precisely
- Add on system flow chart, module assembly drawing and electric wiring diagram

### CONSIST OF

- Control Panel
- Tower Lamp
- PLC unit
- Power supply
- Relay
- Pushbutton
- Emergency
- PAS stations: Distributing-Ejecting-Drilling-Sorting-Work piece checking

### TRAINING CONTENTS

- Composition of PAS system
- Understanding process steps
- Wiring & commissioning of PAS system
- Process operation & monitoring
- Electric sequence control circuit
- Analysis of control circuit
- PLC program control
- PLC digital input and output
- Operation of sensors & counter
- Conveyor module control
- Inspection of result and error correction

### SPECIFICATION

Model	AV-PS-M148
Size	(W)724*(D)490*(H)155 (mm)
Weight	Approx. 12kg
Power	AC220v / DC24v
Operating pressure	0.5MPa

### ADDITIONAL OPTION

- Auto Storage module
- Vertical axis moving with spindle drive (3 types of motor available – DC gear/ Stepping/ Servo)
- Horizontal axis moving with pneumatic cylinder with vacuum cup
- Storage part has 2 positions with 3 stories moved by pneumatic cylinder

## Pneumatic Training Set

- HIGH-QUALITY**
  - High-quality components
  - Finest sensors
- SAFETY**
  - 4mm safety socket
  - Sensor protection circuit
- EASY**
  - Patented 2-way (horizontal & vertical) clamp
  - One-touch mouting clamp

- Pneumatic Basic Training Set
- Pneumatic Advanced Training Set
- Electro-Pneumatic Basic Training Set
- Electro-Pneumatic Advanced Training Set



## Hydraulic Training Set



- Hydraulic Basic Training Set
- Hydraulic Advanced Training Set
- Electro-Hydraulic Basic Training Set
- Electro-Hydraulic Advanced Training Set
- Proportional Hydraulic Training Set
- Servo-Hydraulic Training Set

## PLC training Set

Ideal control system for various FA application devices  
 Enhance the safety with 4mm safety socket  
 Custom-made for all kinds of PLC

### TRAINING CONTENTS

- Design and commissioning of PLC
- Practical steps of PLC programming
- Lamp circuit
- Activating cylinder
- Bonding of components



## Modular product system (MPS)

Actual training for production, automation and control  
 Controlled by various devices as like PLC, PC or software  
 Custom-made combinations between the statio

- |                        |                      |
|------------------------|----------------------|
| • Distributing station | • Robot station      |
| • Testing station      | • Assembly station   |
| • Processing station   | • Punching station   |
| • Handling station     | • Separating station |
| • Buffer station       | • Storing station    |
| • Pick & Place station | • Sorting station    |

### TRAINING CONTENTS

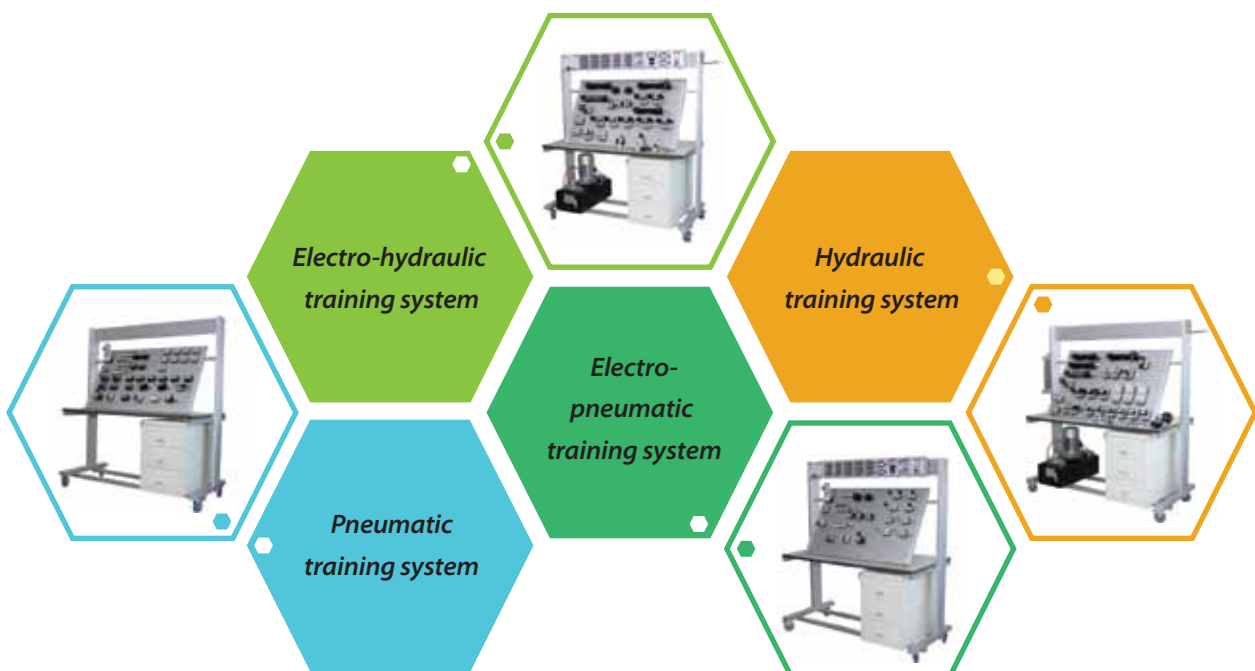
- Understanding the construction of production
- Set up, wiring and commissioning of the system
- Control circuits and PLC
- Process operation and monitoring
- Inspection and maintenance of the system



ANIVYS provides total comprehensive service for the vocational training and educational products based on the experience and skill of establishing vocational training institutes. Also we introduce advanced Korean vocational training system in cooperate with partners in the field of Machinery, Electricity, Electronics, Automobile, Factory Automation and all other items related to vocational training and equipment.

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