

# HYDRAULIC PRESS BRAKE APPLICATION TRAINING SET (EHA03)

## Description

The Hydraulic Press Brake Application Training Set is an educational tool designed to provide hands-on training and practical experience with hydraulic press brakes. This product is essential for training individuals in the operation, maintenance, and application of hydraulic press brakes used in metalworking. It simulates the operation of a real hydraulic press brake, allowing users to learn and practice essential skills in metal bending and shaping.

## Able to learn : -

- Function and characteristic of hydraulic press brake system
- Control the speed and force of hydraulic cylinder
- Design and use of different mid hydraulic directional valve
- Design and reading of electrical and hydraulic diagram of the system
- Construct and operation of **pipe bending angle setting**
- Calculate and determine **the pressure and speed of the bending operation**
- Identify different proximity sensor
- Creating sequence control by PLC program
- Fault findings in electrical hydraulic control system



## Optional Item

- Computer Workstation
- PLC Training Kit

## Required Item

- Custom Press Brake System
- Basic PLC Training Kit
- Experiment Manual
- Safety & Maintenance Manual

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## Technical Specification : -

No	Component	Qty
1	Linear Axis Cylinder	1
2	Press Brake structure	1
3	Electrical Lever switch	2
4	Portable work table	1
5	Oil Tray	1
6	Mini Power Pack Unit	1
7	1 station manifold block	1
8	Pressure reducing valve	1
9	Flow control valve	1
10	Hose 1500mm	2
11	Hose 1000mm	2
12	4/3 way solenoid valve	
13	Operation Push Button module	1
14	Electrical terminal module	