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### **Mechanical-Electrical-Hydraulic- Pneumatic Integrated Trainer**

**PN:0401040070**

**Mechanical-Electrical-Hydraulic- Pneumatic Integrated Trainer** takes an excavator as a experimental carrier, integrates application software programming, electrical design, PLC CNC programming, motion control, logic control, motor drive to carry out mechanical-electrical-hydraulic- pneumatic integrated experiments.

#### **Mechanical-Electrical-Hydraulic- Pneumatic Integrated Trainer**

##### **Main Features**

- 1.The bench made of 2mm cold rolled steel plate, the panel with a T-slot aluminum alloy production.
2. Use low noise hydraulic pump and mute air compressor.
3. Adopts PLC, motor control to achieve mechanical and electrical control, mechanical-electrical-hydraulic control, mechanical-electrical-pneumatic control.
4. safe and reliable.

#### **Mechanical-Electrical-Hydraulic- Pneumatic Integrated Trainer**

##### **Typical Experimental Contents**

##### **1. Hydromechatronics experiments**

- 1.1 speed control loop
- 1.2 pressure control loop
- 1.3 sequence motion control loop

1.4 direction control loop

1.5 synchronized motion control loop

## **2. Mechanical-electrical-pneumatic integration experiments**

2.1 speed control loop

2.2 pressure control loop

2.3 reciprocating motion control loop

2.4 logic control circuit

2.5 multicylinder sequence motion control loop

## **3. Mechatronics experiments**

3.1 basic electrical control experiments

3.2 PLC programming demonstration experiment

3.3 mechanical-electrical-hydraulic- pneumatic integration experiment

4. PLC control programming training

5. Relay, PLC control, software control mode, and pneumatic control

## **Mechanical-Electrical-Hydraulic- Pneumatic Integrated Trainer**

### **Main Technical Parameters**

<b>Nos</b>	<b>Items</b>	<b>Specification</b>	
1	Variable blade pump	Power	1.5kw
		Voltage	220v/50hz
		Displacement	12L/min
		Max Pressure	7Mpa
		Speed	1390r/min
2	Air Pressure	Power	0.5kw
		Voltage	220v/50hz
		Displacement	≥55L/min
		Pressure	1Mpa
		Speed	1400r/min
3	Cylinder	capacity	50L
4	Bench dimension	L*W*H	1570*550*1650mm
5	Weight	KG	100

\*Products and configuration list described herein are subject to changes without notice.