

HYDRAULIC EXCAVATOR SYSTEM



Hytech Didactic Hydraulic Excavator system is an automation module which can be integrated with any electro hydraulic training kit. Fully operational excavator system is equipped with Hydraulic solenoid valves for cylinder and hydraulic motor operation. Cylinders as well as hydraulic motor are permanently piped with the solenoid valves. Solenoid valves can be actuated with the help of 2mm Banana patch cords.

User is expected to provide Pressure and Tank connections to the excavator from the existing hydraulic power pack to activate the system. Excavator training kit can be operated from relay based electrohydraulic system or PLC based electrohydraulic system.

User can have a hands on experience on the industrial applications of electrohydraulic systems with the help of hydraulic excavator systems.

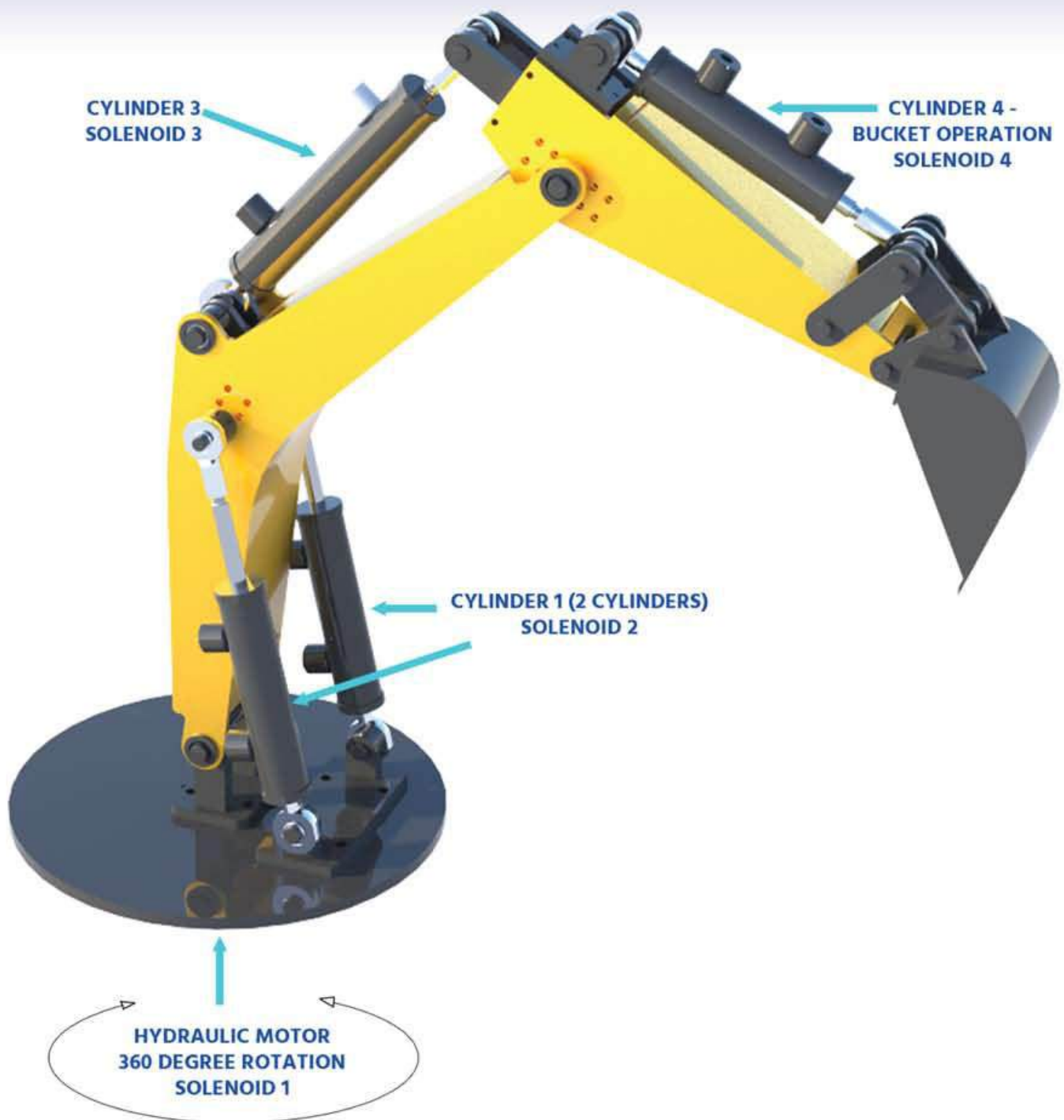


Hydraulic Excavator system can be integrated with any of the existing electrohydraulic setups which can be controlled through relay based or PLC based operations. Special M12 connectors can also be provided along with this system depending on user requirements.

Excavator system can be connected with the existing electrohydraulic training systems by hose through Quick release couplings.

Technical Specifications for Hydraulic Excavator System

Structure	Structure made in mild steel with 4 castor wheels with brakes
Hydraulics	4 Qty Double Acting Cylinders with Clevis joints
	Complete hose connections in 1/8 size
	Hydraulic Manifold with mounting arrangement for 4 Qty Cetop3 Solenoid valves
	Dual direction hydraulic motor
	4 Qty 4/2 Way tandem centre double acting Solenoid Valves
	2 Qty Wire braided hose (1.5 mtr)
	Planetary Gear Box
	Hydraulic manifold for pressure and tank line connections
Electrical Connections	Throttle Valve (In Line)
	PCB Mounted 2mm Banana connections for all four solenoid valves
	Separate PCB Mounted 2mm Banana connections for hydraulic motor operations



PORTABLE HYDRAULIC EXCAVATOR (PLC OPERATED) - STANDARD OPERATING PROCEDURE

- From Hydraulic Training Kit, Connect Pressure And Tank Connections To Hydraulic Excavator.
- All Solenoid Valves As Well As Cylinders Are Already Connected With Hoses And User Does Not Have To Do Any Hose Connection On The Excavator
- Control Each Solenoid Valve Directly From Plc With The Help Of 2mm Banana Cords.
- There Are Four Separate Solenoid Valves Which Are To Be Controlled And Programmed From Plc For Excavator Operation

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