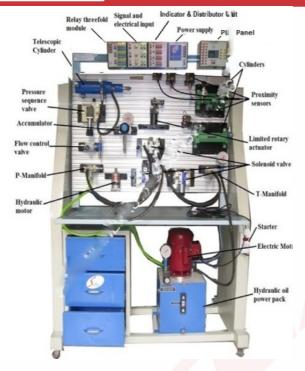


Order Code - 25268466.2.14 **Basic Hydraulics Trainer (Double Sided)** with pump and circuit board



This double-sided Basic Hydraulics Trainer is a comprehensive teaching platform designed to provide hands-on experience with core hydraulic components and circuits. Equipped with a hydraulic pump and a modular circuit board, it is ideal for technical education, vocational training, and industrial skills development.

Key Features

- Double-sided design supports simultaneous operation by multiple users or groups.
- Includes circuit board for schematic layout and instructional clarity.
- Comes with **full hydraulic accessories** for circuit customization and experimentation.
- Enables training in flow control, pressure regulation, and actuator manipulation.

Included Hydraulic Components

Component	Description
Double-Acting Cylinder	Provides bidirectional linear motion under hydraulic pressure
4/3 Way Hand Directional Valve	Manually operated, closed-center valve for flow direction control
Pressure Compensated Flow Control Valve	Maintains constant flow regardless of pressure variations
One-Way Flow Control Valve	Allows free flow in one direction and controlled flow in reverse
Direct Pressure Reducing Valve Note: Specifications are subject to change. Photos show	Reduces and stabilizes downstream pressure

CIN: U29309R12011PTC035213

GSTIN: 08AADCT8576E1ZZ

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Tesca Technologies Pvt. Ltd.



Order Code - 25268466.2.14 **Basic Hydraulics Trainer (Double Sided)** with pump and circuit board

Component **Description**

Protects the circuit from overpressure by releasing **Direct Pressure Relief Valve** excess fluid

Hydraulic Distributor Directs fluid to various circuit paths

Monitors system pressure with integrated distributor **Pressure Gauge with Distributor**

ports

Used to isolate parts of the hydraulic circuit for **Isolator Valve**

maintenance or testing

Pressure Gauge with Measuring Enables remote pressure monitoring via flexible hose Hose

Hose Line (630mm) Standard hydraulic hose for circuit interconnection

Hose Line (1000mm) Extended-length hose for flexible setup

Hose Line with 90° Fitting For compact or angled connections (630mm)

Hose Line with Measuring Port Facilitates pressure measurement within the circuit (1000mm)

Educational Applications

Assembly and troubleshooting of hydraulic circuits

- Pressure and flow rate analysis
- Study of actuator control and feedback
- Component identification and function
- Introduction to ISO hydraulic symbols and schematic design

Additional Details

• Structure: Double-sided aluminum frame with modular panel board

Power Source: Integrated hydraulic pump

• **Safety**: Pressure relief components and isolator valves included

Connectivity: Color-coded hoses and quick-connect fittings

Circuit board: Labelled with standard hydraulic symbols for training clarity

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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