

TRAINER KIT

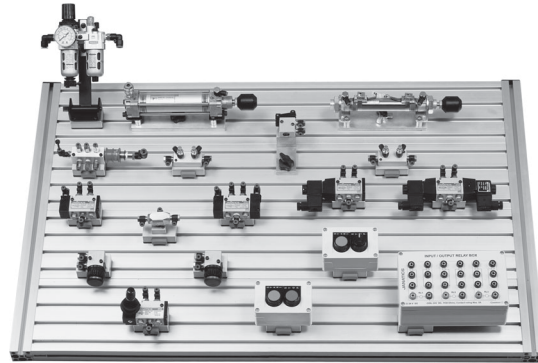
Series JTK

Cat No JTK - 01 - 01

TRAINER KIT - JTK7, JTK8, JTK9

Features

- ❑ Prepared as per DTE curriculum
- ❑ Available in 3 variants
 1. Basic pneumatic trainer kit
 2. Electropneumatic trainer kit
 3. Electropneumatic trainer kit with PLC
- ❑ All the models are upgradable
- ❑ Ideal for laboratory in Engineering and Polytechnic institutes
- ❑ Ideal for corporates having TPM & ISO based training programmes



Types of kits & Capabilities

Basic Pneumatic Kit

- Design and function of Pneumatic system - Basic
- Function and identification of pneumatic components and their symbols
- Manual & Mechanical controls for single cycle and multi cycle automation
- Usage of AND / OR valves for logical functions
- Sequencing of cylinders using external pilot operated valves
- Connection of components using One touch fittings and PU tubes (no tools required)

Electro Pneumatic Trainer Kit

- Apart from the capabilities mentioned under JTK7, the kit is capable of demonstrating the following functions
- Function and identification of electro pneumatic components and their symbols
 - Single cycle and multi cycle automation of circuits
 - Functioning of Timer circuit
 - Sequencing of cylinders using Solenoid pilot operated valves and Relays
 - Changing of logic without disturbing the tubing
 - Connection of Coils & Sensors with Relays using 4mm stackable banana plugs (no tools required)
 - Direct interface with PC with the help of digital Input / Output interface kit and Automation Studio software

Electro Pneumatic Trainer kit with PLC

- Apart from the capabilities mentioned under JTK7 & JTK8, the kit is capable of demonstrating the following functions
- Handling of complicated logics using simpler PLC ladder logic program
 - Functioning of Timer and counter circuit
 - Changing of logic without disturbing the tubing and wiring
 - Connection of Coils & Sensors with PLC unit using 4mm stackable banana plugs (no tools required)
 - OPC communication with Automation Studio software for real time monitoring of the electro pneumatic circuit

ACCESSORIES

Switch Mode Power Supply

Ordering no	JTKSMPS
Input	230V AC (50 Hz)
Output	24V DC (3 Amps)



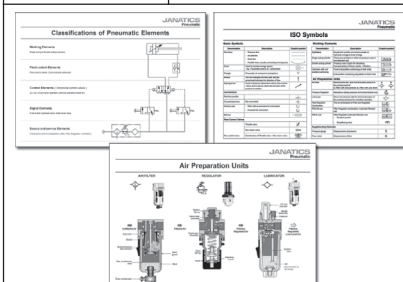
Profile Table Draw

Ordering no	JTKPTD
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Wall Posters

Ordering no	JTKWPA1
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Cut Sections



Horizontal mounting accessories

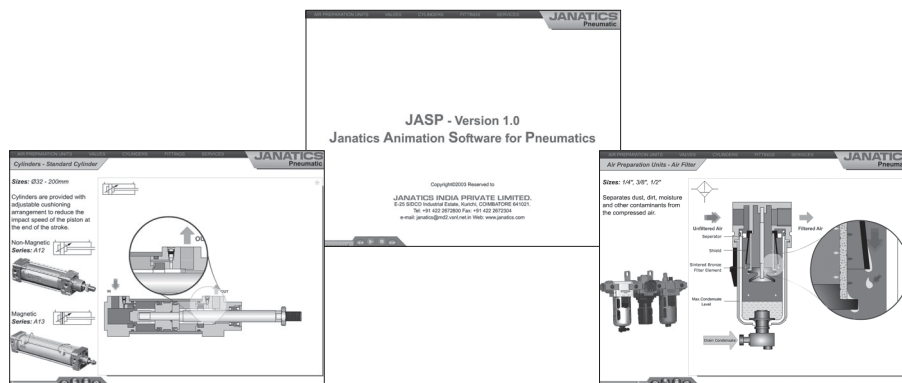


JASP 2.0 (Janatics Animation Software for Pneumatics)

This software package is developed keeping in mind that this should be a handy tool for the trainers in Educational Training Institutes & corporate training centres to go hand in hand with the latest in the industry.

With this software,

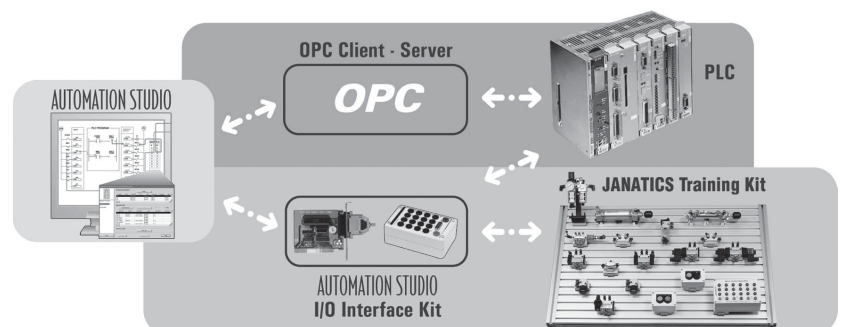
- Functional features of products & components can be understood
- The virtual cutsectional animations lets the students to know the internal details of the product & to understand the functions simultaneously.
- Trainers can explain about the products and can educate the students at a very short period, so as to have ample time on using trainer kits to gain more practical knowledge
- Even a non-technical person can easily understand the concepts of pneumatic products



AUTOMATION STUDIO

Automation studio is a unique circuit design, simulation, and project documentation software package that meets the needs of engineers and instructors for automation, controls, and fluid power applications.

- Pneumatics
- Hydraulics
- Electrical Controls
- PLC Ladder Logic
- Sequential Function Chart
- Digital Electronics
- OPC Client
- Input / Output Interface Kit
- Bill of material and Catalog Link



Subject to change