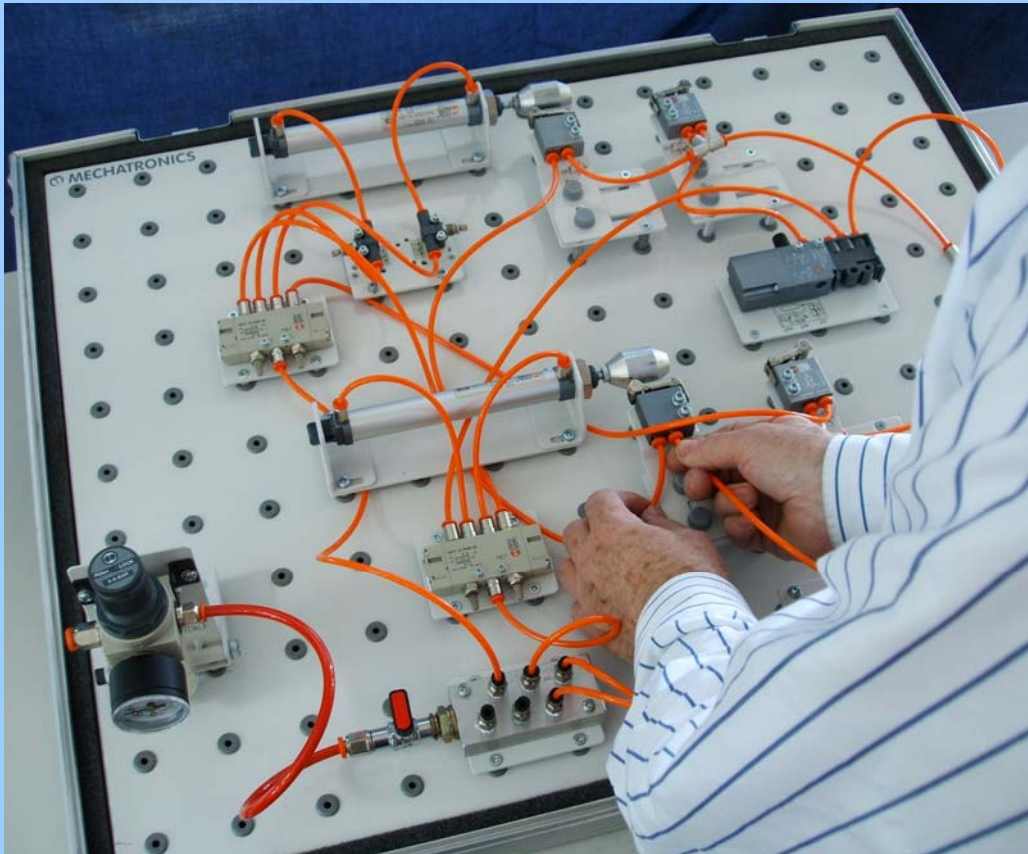


PORTABLE PNEUMATICS TRAINING SYSTEM



Practical 'Hands ON' training systems for those taking part in
Multi-skilling, Cross-skilling, NVQ or Modern Apprenticeship
Training programmes



MECHATRONICS

The Portable Pneumatics Training System from **MECHATRONICS** has been specifically developed for those who are providing 'mobile' training and/or those who require to maximise the availability of valuable laboratory or classroom space.



Transit / storage case with integrated compact circuit building panel

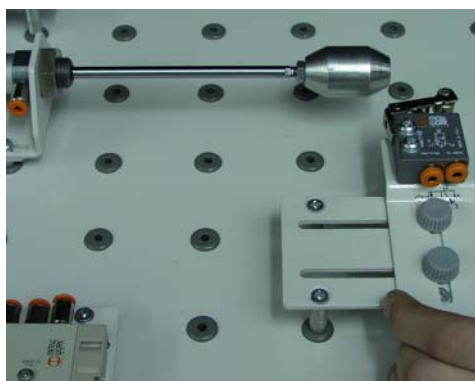
This system can be easily transported from location to location and packed away, when not in use, thereby freeing up valuable space for the teaching of other subjects.

The system is extremely clean, safe and easy to use, utilising high quality push-in pneumatics fittings throughout.



Set of Components – Pneumatics, level 1 shown in transit / storage case

All the components used in the system are genuine industrial items that are widely used in various industries worldwide. The components are quickly and easily mounted on the circuit building panel with a simple push fit, eliminating the requirement for any tools. The complete assembly, test and disassembly of circuits is therefore rapid, easy and efficient, thus maximising the time available when 'putting the theory into practice'.



Roller valves have both horizontal and vertical adjustment

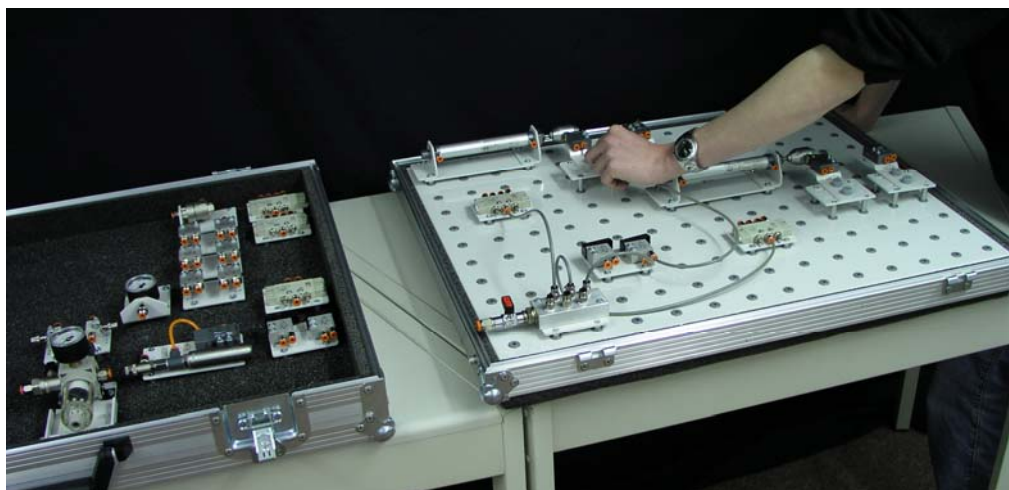
The components available cover a wide range of actuators, directional, flow and pressure control, as well as sensors in pneumatics, more extensive circuits and controls can be constructed and tested by easily connecting to the **MECHATRONICS** Electro-pneumatics and P.L.C. training systems.

All components, along with a circuit building panel are contained in a lockable, heavy-duty, aluminium framed storage / transit case.



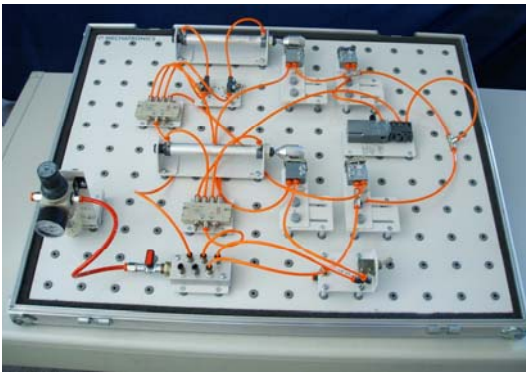
Set of Components – Pneumatics, level 1

The **MECHATRONICS** Portable Pneumatics Training System is ideally suited to achieve the practical requirements of courses such as City & Guilds, BTEC, SEMTA, amongst others, at minimal capital outlay.



Complete packages of Courseware and Teachware, including purpose designed practical exercises are also included to fully support the training hardware. A 'total system' can therefore be supplied that is 'ready to use' without the need for precious development time.

Circuit being constructed and tested on the portable pneumatics training system



Sample pneumatic circuit (built on compact circuit building panel, mounted in lid of storage /transit case)

Support Materials available:-

- Exercises/Solutions with Question/Answer Papers:
 - Pneumatics
- OHP Transparencies
- Magnetic Symbols
- Manuals & Textbooks



Kits are easily transported – ideal for providing 'on-site' training

Features:

- Fully portable systems, that can be easily transported for on-site training
- Allows classrooms to be 'multi-tasked', due to being compact and easy to store when not in use
- Easy, quick and clean in use
- Quick, clean and safe push-in pneumatic fittings
- Choice of pneumatics, can be expanded into electro-pneumatics and P.L.C.
- Extremely wide range of components available
- Full range of support materials

Advantages:

- Low capital cost
- Genuine industrial components
- Eliminates need for tools
- Simple expansion into electro-pneumatic and P.L.C. systems
- Very compact and portable
- Minimum space required
- Supplied complete with 'Collection of Exercises/Solutions with Question/Answer papers'

Benefits:

- Improved quality of training
- Improved appearance
- Create professional image
- Can cater for a wider client base, due to portability of the training system/s
- No tools required
- Cost effective system
- Extensive number of exercises possible
- Supplied ready for use (no precious development time required)

TECHNICAL SPECIFICATION

Pneumatics: Maximum system pressure – 10 bar

Note:

Requires a clean, dry, non-lubricated, air supply for efficient operation, we can supply a range of suitable compressors if necessary.



OTHER PRODUCTS

MECHATRONICS International Ltd are specialist manufacturers of an extensive range of training equipment which includes the following:-

Training Hardware:-

In addition to the Portable Pneumatics Training System we are also manufacturers of training systems in all of the following subject areas:-

Pneumatics (laboratory trolley based systems)
Electro-pneumatics (portable & laboratory trolley based systems)
Hydraulics
Electro-hydraulics
Proportional hydraulics
Programmable Logic Control (P.L.C.'s)
Mechanical Transmissions
Industrial Handling
CIM / FMS

These systems are modular and available in a wide variety of formats, they are compatible with each other and therefore may be combined together or used individually. All the required hardware from a single component through to complete, very extensive 'Turnkey Systems' can be supplied.

Teachware & Courseware:-

To support the training systems hardware we have developed a full range of Teachware suitable for use by Instructors, Lecturers, Tutors and Teachers.

Courseware suitable for use by students is available in the form of 'Industry Related' practical exercises, supported by question and answer papers, relevant to the exercises, thereby offering a complete structured assessment system. This material is covered by copyright but is supplied with a licence, which allows copying, by the purchaser for training and educational purposes.



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