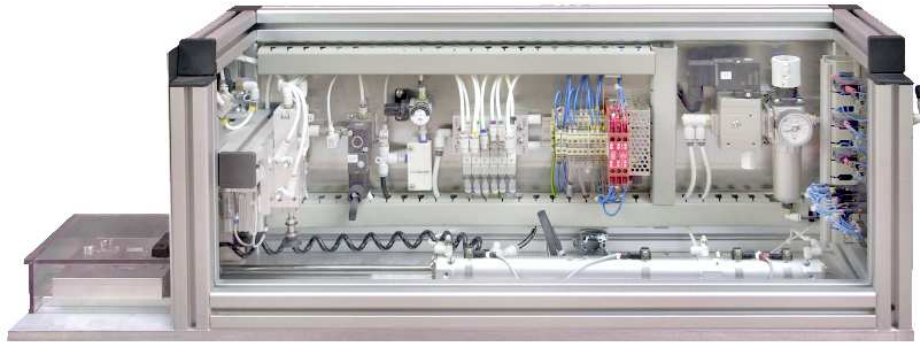


Introducing 'FLEXY-1', 'versatile engineering process trainer'



FLEXY-1 has been designed by a team of Education and Industry partners specifically to meet the needs of the new Engineering and Manufacturing Diplomas. It is an example of an automated manufacturing process and in effect, a miniature factory, using an electro-pneumatic machine to assemble a product via a pressing process.

Students design and develop control programs for the machine using either flowcharts (PICAXE microcontroller) or ladder logic (Programmable Logic Controller - PLC). The machine uses both analogue and digital sensors as well as a range of actuators and safety mechanisms.

The system demonstrates manufacturing and engineering technologies including:

- Poka-Yoke
- Safety Circuits
- TAC Time
- Flowcharts
- Ladder Logic
- Function Blocks
- Pneumatics
- Analogue and Digital Sensors
- Electronic Control



The core unit is connected to a delivery module and a dispatch module to form a manufacturing cell



Includes a site license for Logicator for PIC micros

For further details about pricing and availability, contact us :

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telephone :	01761 42 00 00

Industry Standard Equipment	✓
Connectivity with existing software	✓
Levels 2 and 3 Engineering curriculum	✓
Advanced Programming Techniques	✓
Integration with resistant materials technologies	✓