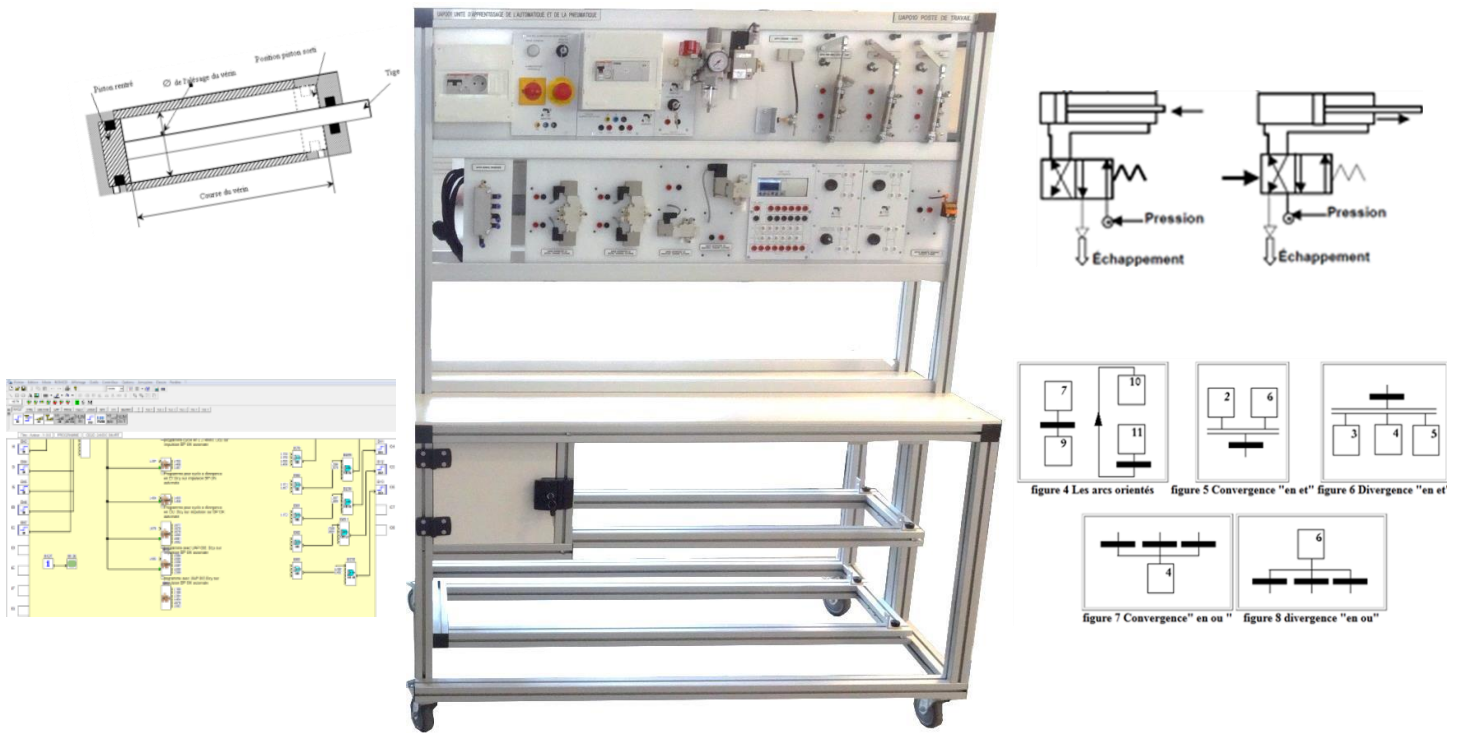


PNEUMATIC AND AUTOMATION DISCOVERY UNIT DOUBLE-SIDED



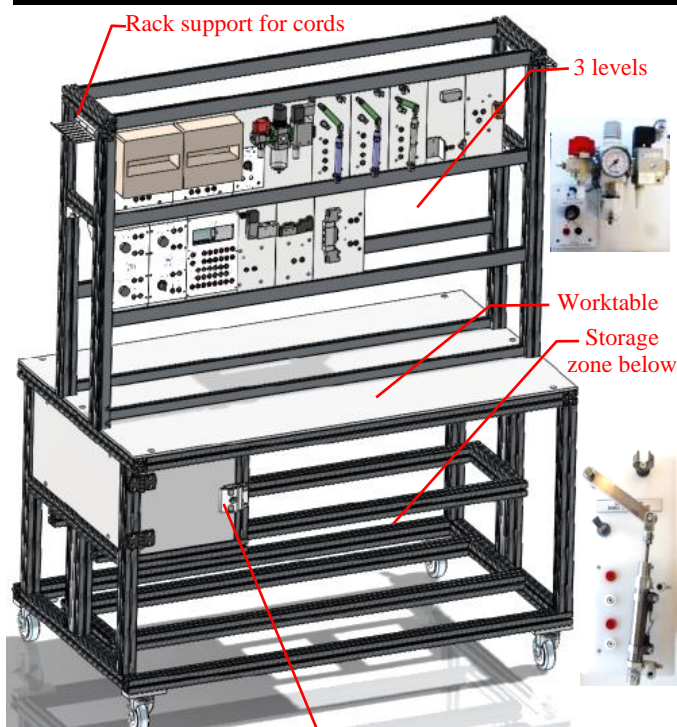
PEDAGOGICAL APPLICATIONS

- **Graduals discovery activities (understanding, simple wiring) in industrial pneumatic and automation on:**
 - Understand a simple chain of action and the different elements that makeup it
 - The different distributors: manual, pneumatic or electric command
 - The Different cylinders, single and double effect, iso or compact
 - The Different sensors technologies: optical, inductive, capacitive, reed
 - Basic functions: AND, OR, anti-return valves
 - Setting flow, pressure
 - The implementation of manual steering or a simple automated cycle, incorporating control button, automaton, pre-actuators, cylinders and sensors
- **Training, from installation operator to superior maintenance technician**
- **Other packs are available depending on the expected level of training, or you have the possibility of supplementing it with unit modules (consult us):**
 - **UFP001: PNEUMATIC AND AUTOMATION DEEPENING UNIT DOUBLE-SIDED**
 - **UPP001: PNEUMATIC AND AUTOMATION IMPROVEMENT UNIT DOUBLE-SIDED**

THE STRENGTHS OF OUR MODULAR CONCEPT

- Ready-to-use solution with a compact dual-sided mobile workstation and additional modules
- Perfect compatibility with the modules of the packs 'UAE' of DIDATEC electrotechnical range, allowing you to offer mixed activities with the implementation of electric actuators and pneumatics
- Light and robust structure in anodized aluminum, mounted on 4 swivel wheels equipped with brakes
- Contained dimensions that make it easier to travel between your various workshops, classrooms, or training centers
- Industry-representative material (brands, dimensions, robustness, functions)
- Scalable solution thanks to the many modules available (consult us)
- Maintenance activities by setting up electrical and/or pneumatic wiring defects
- Functionating in manual or with 6 programs in the PLC controller
- The manufacture of this equipment meets the European Machine Directive

Illustrations



Content and technical specifications

- 1 WORKSTATION, for each face: vertical assembly without tool of the modules, worktable, 2 storage zone
- 2 ELECTRICAL POWER SUPPLY 230VAC & 2 SUPPLY 24VDC: GFCI 30mA, circuit breaker, Main on light, locking, double well sockets, fuse
- 2 PNEUMATIC POWER SUPPLY with main switch and lock, strainer, pressure regulator, gauge & soft pressurization with key
- 4 ISO DOUBLE EFFET CYLINDERS + 2 ISO SIMPLE EFFET CYLINDERS + 4 COMPACT DOUBLE EFFET CYLINDERS: all equipped with flow regulators, reed sensors connected to the test socket and fast mounting accessories for the other sensors
- 2 INDUCTIVE SENSORS + 2 CAPACITIVES + 2 OPTICS
- 2 PRESSURE REGULATORS WITH MANOMETER
- 2 SETS OF 10 T CONNECTIONS + PNEUMATIC HOSE REEL Ø6MM
- 2 CHECK VALVES+2 PNEUMATIC FUNCTIONS 'AND' & 'OR'
- 2 DISTRIBUTION MANIFOLDS WITH 5 SELF CLOSING CONNECTIONS
- 2 DOUBLE PUSHBUTTON 2 CONTACTS NO
- 2 SWITCH 2 POSITIONS 2NO + PUSHBUTTON 1NO/1NC
- 1 PLC CONTROLLER 8IN/6OUT RELAY WITH SOFTWARE, CABLES AND CONFIGURATION FILES
- 2DOUBLE PNEUMATIC CONTROL BOX2/2-1 PUSHBUTTON
- 2 DOUBLE PNEUMATIC CONTROL BOX 2/2 - 1 SWITCH
- 1 SET OF 50 TEST LEADS Ø4 MM: 50 & 100 cm, different colors
- 2 '3/2 PORT AIR OPERATED VALVE-SINGLE POSITION'
- 2 '5/2 PORT AIR OPERATED VALVE-SINGLE POSITION'
- 1 '3/2 PORT SOLENOID VALVE-SINGLE POSITION'
- 2 '5/2 PORT SOLENOID VALVE-SINGLE POSITION'
- 2 '5/2 PORT SOLENOID VALVE-DOUBLE POSITION'
- 2 '3/2 PORT MECHANICAL VALVE-DOUBLE POSITION-MANUAL SWITCH'
- 2 '5/2 PORT MECHANICAL VALVE-SINGLE POSITION-MANUAL PUSHBUTTON'
- 2 '5/2 PORT MECHANICAL VALVE-DOUBLE POSITION-MANUAL SWITCH'

Installation specifications

- Electrical supply: 230 Vac - 50 Hz - 10A
- Electrical network: 1 phase - Neutral - Earth.
- Dimensions: (LxHxW mm): 1300 x 800 x 1800
- Weight (Kg): 170

Paper and digital documentation

- User's manual
- Wiring and piping diagrams
- Technical documentation of the components
- PLC controller with 6 Configuration files, Software & cable
- Certificate of conformity CE

Note: if the equipment installation is operated by our staff, all supplies and exhaust connections required must stand at less than 2m from the machine