

PRODUCT PACKS

Complete pre-configured solutions



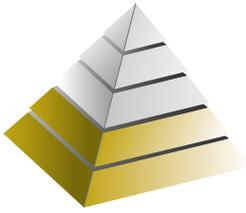
Discover our proposals for complete laboratories with pneumatic and hydraulic technology

What are product packs?

The combination of various products in our range that provide solutions to the most common needs.



Discover the pack that best suits your needs



PNEUMATICS / ELECTROPNEUMATICS PACK

1 station with 2 workstations
(up to 6 students)



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- Acquire knowledge
- Design and simulate the circuits
- Test and operate the real circuits with more than 30 activities available

Composition of the pack:

Description	Qty.
Rolling table with twin-post	1
Drawer unit for rolling table with lock	2
PNEU-405: Pneumatics - electro-pneumatics kits	2
SINGLE USE licence for the eLEARNING-200 pack of courses	6
AutoSIM-200, 1 educational license	2
Poster of the composition PNEU-405	1

List of activities for PNEU-405:

PNEUMATICS	
• Direct control of a single acting cylinder.	• Delay in a control signal.
• Indirect control of a single acting cylinder.	• Activation of a control signal according to the pressure.
• Indirect control of a double acting cylinder.	• Stamping device.
• Control of a double acting cylinder with bistable valve.	• Frame press.
• Control of a double acting cylinder from two independent locations.	• Holding device.
• Control of a double acting cylinder from two simultaneous locations.	• Stamping wooden parts.
• Regulation of the speed of a double acting cylinder.	• Distribution of boxes.
• Increase in the speed of a double acting cylinder.	• Control of casting ladle.
• Memory function with a monostable valve.	• Warehouse clearance.
• Detection and control of the position of a cylinder.	• Distribution and separation of parts.

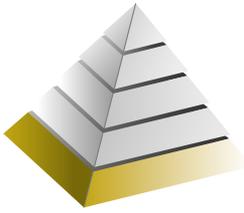
ELECTROPNEUMATIC	
• Single control of a single acting cylinder with a monostable electrovalve.	• Detection and control of the position of a double acting cylinder with mechanical stroke limiters.
• Single control of a double acting cylinder with a monostable electrovalve.	• Detection and control of the position of a cylinder with magnetic detectors.
• Control of a single acting cylinder with bistable electrovalve.	• Sequence with choice of single or continuous cycle.
• Control of a double acting cylinder with bistable electrovalve.	• Transfer of packets.
• Control with a monostable electrovalve, with bistable effect (memory).	• Riveting device.

Complete laboratory

Description	Qty.
Pneumatics / electropneumatics pack	4
AutoSIM-200, 16 educational licenses	1
Posters of symbols	1
Pneumatic magnetic symbols kit	1

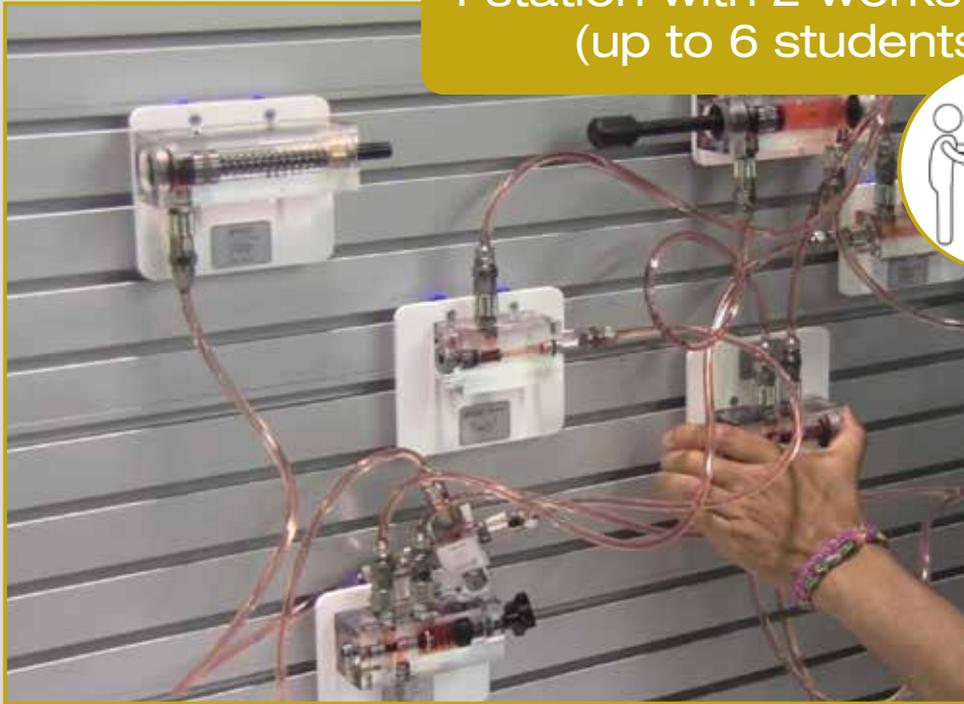
4 stations with 2 workstations
(up to 24 students)





PNEUMATICS/ TRANSPARENT HYDRAULICS PACK

1 station with 2 workstations
(up to 6 students)



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- Acquire knowledge
- Design and simulate the circuits
- Test and operate the real circuits with more than 30 activities available

Composition of the pack:

Description	Qty.
Rolling table with twin-post	1
Drawer unit for rolling table with lock	2
PNEU-401: Basic pneumatics kits	1
MOD-201: Transparent hydraulic level I kit	1
MOD-202: Transparent hydraulic level II kit	1
Portable hydraulic pump for transparent hydraulic	1
Oil with special red colouring	1
SINGLE USE licence for the eLEARNING-200 pack of courses	6
AutoSIM-200, 1 educational license	2
Poster of the composition PNEU-401	1
Poster of the compositions MOD-201 and MOD-202	1

List of activities for PNEU-401, MOD-201 and MOD-202:

PNEUMATICS	
• Direct control of a single acting cylinder.	• Delay in a control signal.
• Indirect control of a single acting cylinder.	• Activation of a control signal according to the pressure.
• Indirect control of a double acting cylinder.	• Stamping device.
• Control of a double acting cylinder with bistable valve.	• Frame press.
• Control of a double acting cylinder from two independent locations.	• Holding device.
• Control of a double acting cylinder from two simultaneous locations.	• Stamping wooden parts.
• Regulation of the speed of a double acting cylinder.	• Distribution of boxes.
• Increase in the speed of a double acting cylinder.	• Control of casting ladle.
• Memory function with a monostable valve.	• Warehouse clearance.
• Detection and control of the position of a cylinder.	• Distribution and separation of parts.

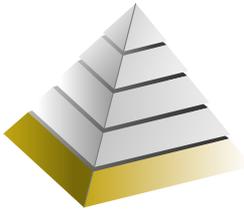
TRANSPARENT HYDRAULICS	
• Gear pump, lock up valve (or flow valve here with the same function), pressure gauge.	• Flow rate regulation valve.
• Pressure limiter valve.	• Resistance to fluid passage.
• Stopcock (distributor).	• Differential circuit.
• Single acting cylinder.	• Back pressure.
• Double acting cylinder.	• Check valve with choke.
• Check valve.	• Check valve with unblocking.
• Flow valve (choke valve).	

Complete laboratory

Description	Qty.
Pneumatics / transparent hydraulics pack	4
autoSIM-200, 16 educational licenses	1
Posters of pneumatic symbols	1
Posters of hydraulic symbols	1

4 stations with 2 workstations (up to 24 students)





HYDRAULICS / ELECTROHYDRAULICS PACK

1 station with 2 workstations
(up to 6 students)



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- Acquire knowledge
- Design and simulate the circuits
- Test and operate the real circuits with more than 30 activities available

Composition of the pack:

Description	Qty.
Hydraulic rolling table with double face panel	1
Hose support accessory (x2)	1
Hydraulic pump for two workstations	1
Set of drawers with lock	2
HYD-201: Hydraulics level I kit	2
HYD-202: Hydraulics level II kit	2
HYD-203: Electro-hydraulics kit	2
SINGLE USE licence for the eLEARNING-200 pack of courses	6
AutoSIM-200, 1 educational license	2
Poster of the composition (HYD-201 - HYD-202 - HYD-203)	1

List of activities for HYD-201, HYD-202 and HYD-203:

HYDRAULICS	
• Pressure generation. Pump specifications.	• Speed adjustment. Adjustment at the output.
• Directly operated pressure limiter valve.	• Speed adjustment in subtraction.
• Distributor valves 2/2, 3/2, 4/2.	• Check valve with unblocking (piloted).
• Double acting cylinder.	• Back pressure. Uniform advance of the piston.
• Check valve.	• Input and output flow regulation.
• Flow rate regulation valve.	• Pressure reducer valve.
• Flow regulation valve with pressure compensation.	• Indirect control pressure limiter valve.
• Adjustable choke valve with check.	• Consecutive control depending on the pressure valve (circuit with sequence valves).
• Resistance to fluid passage (load losses).	• Quick feed circuit (two speeds).
• Distributor valve 4/3.	• Hydraulic motor.
• Differential circuit.	• Accumulator.
• Pressure adjustment.	• Pressure regulation circuit.
• Speed adjustment. Adjustment at the input.	• Speed adjustment Differences between choke and pressure compensated flow regulator.

ELECTROHYDRAULIC	
• Feed and return circuits from one cylinder at will.	• Circuit with pressure switches.
• Self-retaining in an electronic-hydraulic circuit.	• Control of a cylinder with mechanical interlocking.
• Control of a double acting cylinder with stroke limiters.	• Drive with intermediate stop Electrical interlocking.
• Drive progress with initial conditions.	• Sequential circuit according to the pressure and route.
• Circuit with initial safety condition and intermediate stops at will.	

Complete laboratory

Description	Qty.
Hydraulics / electrohydraulics pack	4
AutoSIM-200, 16 educational licenses	1
Posters of hydraulic symbols	1
Basics of hydraulic theory in English	1

4 stations with 2 workstations (up to 24 students)

