

# PROCESS ENGINEERING



- 1 FOOD PROCESSING
- 2 WATER TREATMENT
- 3 CHEMICAL ENGINEERING

### HVAC - THERMAL ENGINEERING

- 1 SANITARY
- 2 THERMAL
- 3 REFRIGERATION
- 4 AIR CONDITIONING
- 5 RENEWABLE ENERGIES

TEACHING EQUIPMENT DESIGNER & MANUFACTURER

### PRODUCTION ACTIVITIES

- 1 PRODUCTION LINES
- 2 PLURITECHNOLOGICALS EQUIPMENTS
- 3 MECHANICALS SYSTEMS
- 4 DIAGNOSIS AND ADJUSTMENT

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### FLUIDS MECHANICS

- 1 FLUIDS DYNAMICS
- 2 PUMPS STUDY
- 3 OPEN CHANNEL
- 4 TURBINES
- 5 ORIFICE FLOWMETER-VENTURI
- 6 AIR FLOW
- 7 WATER HAMMER
- 8 VISCOSIMETER
- 9 UTILITIES

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### MESUREMENT-REGULATION-DETECTOR

- 1 MESUREMENT
- 2 REGULATION
- 3 DETECTOR

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### THERMODYNAMICS

- 1 TURBINES
- 2 RADIATION
- 3 ENGINES
- 4 EVAPORATION CONDENSATION
- 5 THERMICALS EXCHANGE
- 6 THERMODYNAMICS
- 7 CONVECTION
- 8 CONDUCTION
- 9 COMPRESSOR

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### HYDRAULIC

- 1 MODULAR HYDRAULIC LEARNING UNIT WITH OIL LIQUID
- 2 MACHINES OF HYDRAULIC PRODUCTIONS WITH OIL
- 3 ACCESSORIES OF THE RANGE HYDRAULIC WITH OIL
- 4 BENCH OF STUDY AND OF MAINTENANCE OF HYDRAULIC WITH WATER

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### PNEUMATIC

- 1 LEARNING MODULAR UNITS
- 2 DEDICATED TRAINING POSITIONS

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### ELEVATORS

- 1 MODULAR ELEVATOR
- 2 TECHNOLOGY KITS
- 3 STUDY SYSTEMS

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### APPLIED MECHANICS

- 1 CHARACTERIZATION OF MATERIALS AND STRUCTURES
- 2 ELECTRICAL AND CONTROL SYSTEM
- 3 MECHANICAL OSCILLATORS
- 4 SOLID STATE PHYSICS AND MECHANISM

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# PROCESS ENGINEERING RANGE



## FOOD PROCESSING

- Fruit juice production line
- Milk line

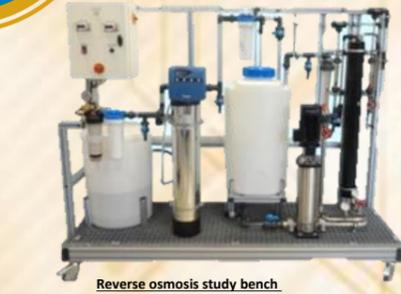


## WATER TREATMENT

- Physicochemical treatment
  - Filter press
  - Filtration on sand
  - Reverse osmosis with softener
  - Demineralization



Fruit juice production line  
GPA L1



Reverse osmosis study bench  
GPB OS1



Pilot of demineralization  
GPB T30



Physicochemical treatment  
GPB T40



Filtration on sand  
GPB F51



Filtration on activated carbon  
GPB T70



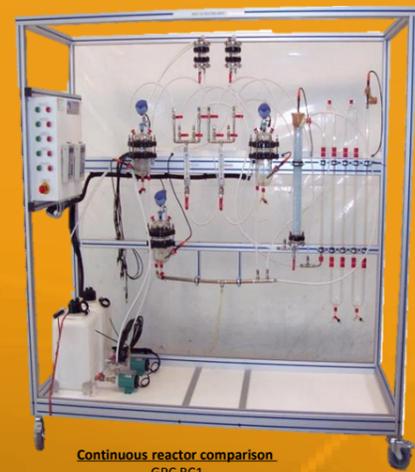
Filter press  
GPB F11



Milk line  
GPA LLO

## CHEMICAL ENGINEERING

- Multipurpose reactor - Distillation - Evaporation



Continuous reactor comparison  
GPC RC1



Continuous distillation demonstration bench  
GPC D15



Multipurpose reactor  
GPC R10

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