

# 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

**1 HVAC - THERMAL ENGINEERING**

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

TEACHING EQUIPMENT DESIGNER & MANUFACTURER

**2 PRODUCTION ACTIVITIES**

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

TEACHING EQUIPMENT DESIGNER & MANUFACTURER

**3 FLUIDS MECHANICS**

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TEACHING EQUIPMENT DESIGNER & MANUFACTURER

**4 MESUREMENT-REGULATION-DETECTOR**

- 1 MESUREMENT
- 2 REGULATION
- 3 DETECTOR

TEACHING EQUIPMENT DESIGNER & MANUFACTURER

**5 THERMODYNAMICS**

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

TEACHING EQUIPMENT DESIGNER & MANUFACTURER

**6 PROCESS ENGINEERING**

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

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**7 HYDRAULIC**

- 1 MODULAR HYDRAULIC LEARNING UNIT WITH OIL UAH
- 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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**8 PNEUMATIC**

- 1 LEARNING MODULAR UNITS
- 2 DEBATED TRAINING POSITIONS

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**9 ELEVATORS**

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

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**10 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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# FLUID MECHANICS RANGE



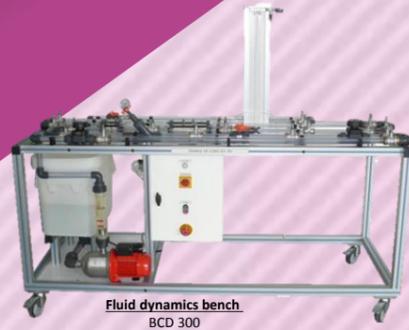
## DYNAMICS OF FLUIDS AND PUMPS

- Study bench of 2 or 4 water pumps
- Fluid dynamics
- And Pumps study



## VENTILATOR

- Axial ventilator and centrifugal



Fluid dynamics bench  
BCD 300



Test bench of 2 water pumps  
BCP 204



Study bench of fluids dynamic and study of pumps  
BCD 350



Multi manometer  
PBM 012

## BASIC PRINCIPLE

- Bench study of the reaction of a jet
- Diaphragm study
- Viscometer
- Multi manometer



## TURBINES

- FRANCIS Turbine
- PELTON Turbine



Study bench of flow rate measurement sensor  
STL 200



Study bench of an axial ventilator  
VEA 112



Study bench of the reaction of a jet  
PBJ 100



Falling ball viscometer  
PBV 002

## FLOW OF WATER

- Study of flows in open channel



Study of flows in open channel  
BCI 050



FRANCIS Turbine  
TVF 010



PELTON Turbine  
TVP 010

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