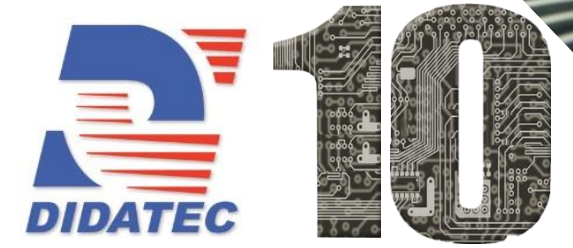


# APPLIED MECHANICS



**HVAC - THERMAL ENGINEERING**

**1**

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

TEACHING EQUIPMENT DESIGNER & MANUFACTURER

**PRODUCTION ACTIVITIES**

**2**

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

TEACHING EQUIPMENT DESIGNER & MANUFACTURER

**FLUIDS MECHANICS**

**3**

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

TEACHING EQUIPMENT DESIGNER & MANUFACTURER

**MESUREMENT-REGULATION-DETECTOR**

**4**

1. MESUREMENT
2. REGULATION
3. DETECTOR

TEACHING EQUIPMENT DESIGNER & MANUFACTURER

**THERMODYNAMICS**

**5**

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

TEACHING EQUIPMENT DESIGNER & MANUFACTURER

**PROCESS ENGINEERING**

**6**

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

TEACHING EQUIPMENT DESIGNER & MANUFACTURER

**HYDRAULIC**

**7**

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

TEACHING EQUIPMENT DESIGNER & MANUFACTURER

**PNEUMATIC**

**8**

1. LEARNING MODULAR UNITS
2. DEBATED TRAINING POSITIONS

TEACHING EQUIPMENT DESIGNER & MANUFACTURER

**ELEVATORS**

**9**

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

TEACHING EQUIPMENT DESIGNER & MANUFACTURER

**APPLIED MECHANICS**

**10**

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

TEACHING EQUIPMENT DESIGNER & MANUFACTURER



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- 3 MECHANICAL OSCILLATORS
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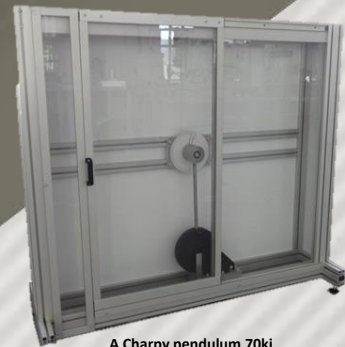


# APPLIED MECHANICS RANGE



## CHARACTERIZATION OF MATERIALS

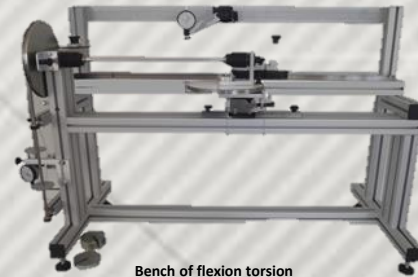
- Study of buckling
- Bench of flexion-torsion
- A Charpy pendulum
- A thin ring study bench



A Charpy pendulum 70kj  
SMC 070



Bench study of Euler buckling  
SFB 250



Bench of flexion torsion  
SFB 350



Study bench of the strain gauge  
SKJ 100

## MECHANICAL OSCILLATORS

- Study bench of Vibrations
  - free and forced
  - Static balancing
  - Torsional oscillations



Study bench of free vibrations  
BEV 010



Study bench of free and forced vibration  
BEV 100



Study bench of free and forced torsional oscillations  
SVB 200



Study bench of the dynamic static balancing  
SEQ 200

## ELECTRONICS AND SERVO-SYSTEMS

- A lifting system test bench



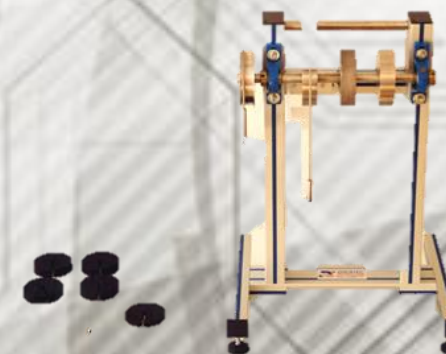
Study bench of a lifting system  
EAZ 200



Yield of mechanical transmissions  
SRD 200

## SOLID STATE PHYSICS

- Mechanical transmission
- Mechanism of the Maltese cross
- Dynamic balancing bench instrumented



Friction study bench  
BEF 100



Study bench of frictions plane / plane and plane / slippage  
BEF 200

- All machines are delivered with:
- Instruction manuals
  - Technical file
  - Practical work manual
  - Training manual
  - EC Certificate of conformity

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