

SHIMADZU Universal Tensile Device



- Tensile Test
- Compression Test
- Bending Test
- Tear Test

Composite Material Production Bench



Fiber Reinforced Polymer Composite Production by Vacuum Assisted Resin Infusion Method

Force Table Experiment Set

Simple Pendulum Experiment Set



Examining Newton's Law of Inertia with Different Applications
Examining the concept of balance
Examining the Force – Angle relationship

Calculation of the period of the pendulum
Determination of the variables on which the period of the pendulum depends:
*Mass *Angle *Length

Torsion Test Set

Hook's Law Experiment Set



- o Finding properties such as shear modulus (G) and shear yield stress (t_A) of materials by performing Torsion Test

- o Study of Hooke's Law by observing the extension of the spring under a force
- o Study of tensioned spring, oscillating motion

Bending Test Set

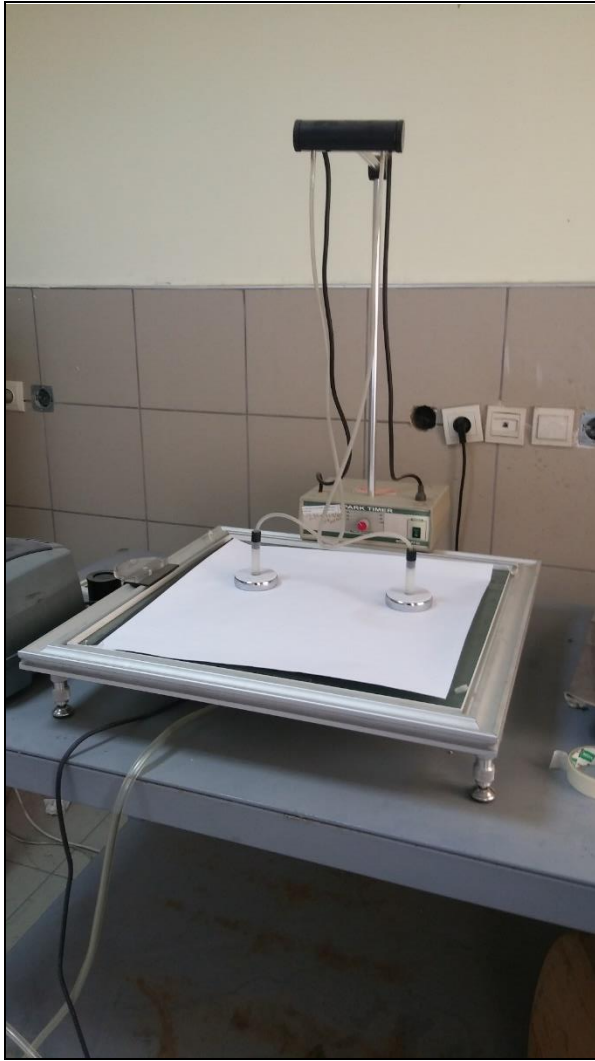
Laboratory Oven



Determining the design information about the strength of the material and determining the mechanical properties of the material against bending

Performing Heat Treatments

Momentum Çarpışma Deney Seti



Studying the conservation of linear momentum of collisions in an isolated system