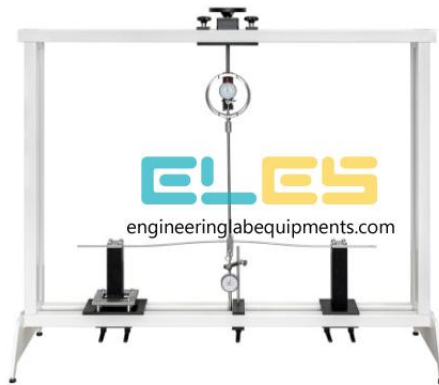


**Product Name :**  
Bending Test Plastic Deformation

**Product Code :**  
ENGLABINGCAG600007



**Description :**

Bending Test Plastic Deformation

**Technical Specification :**

"Mechanical stress, to which design elements are generally exposed, generates stresses in the affected component or the material.  
The component does not return fully to its original form after the deformation, resulting in a change of shape. If these stresses are too large, there is plastic deformation of the material in addition to the elastic, reversible deformation.

**Features:**

Plot loadextension diagrams.  
Observe and determine the transition from elastic to plastic deformation.

**Learning Objectives And Experiments:**

Load on a beam with a point load  
Demonstrate the invalidity of the superposition principle in the plastic region  
Compare the load and relief curves  
Plot a loadextension diagram and determine the nonlinear behaviour."

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# Engineering Lab Equipment India

