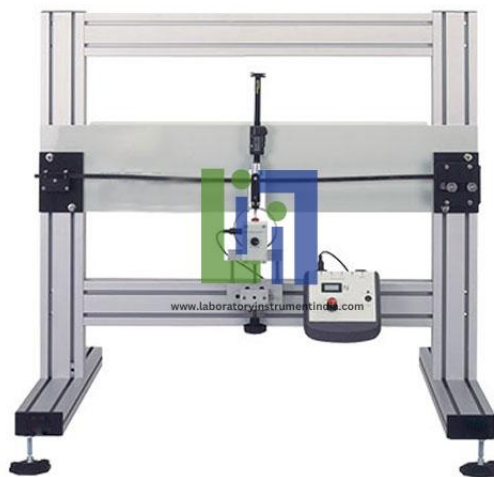




Email : sales@laboratoryinstrumentindia.com

Product Name :
Bending Test Plastic Deformation

Product Code :
LBNY-0005-1010009



Description :

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.

Technical Specification :

Bending Test Plastic Deformation

Laboratory Instrument India

