

Product Name :
Plastic Bending Of Beams**Product Code :**
GENP0010ALTEC™**Description :**

Plastic Bending Of Beams

Technical Specification :

- Students fit the specimen beam between two supports with a choice of fixing methods; simply supported, fixed or propped cantilever.
- One support includes roller bearings to allow horizontal translation.
- A load cell assembly measures and applies force at the mid span of the beam.
- A precision indicator measures the beam deformation.
- It explains how a structural element may fail, but still withstand loads to allow people to safely leave the structure or building.
- The different fixings allow students to predict the position of hinge formation and the loads that will cause failure.
- Students use textbook beam equations and bending moment diagrams to predict the results, comparing them to measured results.
- This helps confirm the reliability of the textbook equations and the accuracy of the experiment results.
- This allows them to appreciate the ratio between yield moment and the fully plastic moment (form or shape

factor), showing how this ratio provides an additional safety factor.



Equipments Exporters

Website: www.equipmentsexporters.com, **Email:** sales@equipmentsexporters.com

Address: 75, Lajpat Nagar-IV, New Delhi-110024 **Phone:** +91-9311469084