LAB ENGINEERING

Email : purchase@elabengineeringequipments.com
Phone: +91-9811375383

Product Name : Centre Of Gravity Apparatus	**Product Code :** ELABBFA005

Description :

Centre Of Gravity Apparatus

Technical Specification :

Centre Of Gravity Apparatus Features Low cost, effective teaching Self-contained Bench mounted Six different shapes Direct location of Centre of Gravity by drawing Three year warranty Range of Experiments To establish the position of the centre of gravity of several different shapes by experiment, and to compare with values derived from calculation or reference books Description The centre of gravity of a shape of uniform thickness can easily be found by this method. It provides a simple technique for complicated shapes, far quicker than by using calculus for example, although not producing an accurate answer to the handling of a yacht, the calculation of the moments caused by the wind and water acting at the 'centre of lateral area' of the sails and keel are still used as a starting point. A free standing backboard has a pin from which a selection of flat shapes can be hung. A simple pendulum suspended from the pin enables the line of action of the weight to be transferred to the lamina. The centre of gravity is the position on the shape where two or more such lines intersect. This equipment is part of a range designed to both demonstrate and experimentally confirm basic engineering principles. Great care has been given to each item so as to provide wide experimental scope without unduly complicating or compromising the design. Each piece of apparatus is self-contained and compact. Setting up time is minimal, and all measurements are made with the simplest possible instrumentation, so that the student involvement is purely with the engineering principles being taught. A complete instruction manual is provided describing the apparatus, its application, experimental procedure and typical test results.

Elab Engineering Equipments Manufacturers