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Product Name :	**Product Code :**
Crank Mechanism	Machine0010

Description :

Crank Mechanism

Technical Specification :

Crank Mechanism

The apparatus is intended to represent a
simple engine mechanism and may be used by the students for simple
experiments to investigate:

- The relationship between the piston displacement and the crank angle for a given connecting rod/crank radius ratio.
- The relationship between the turning moment on the crank shaft and the crank angle for a given force on the piston.

Technical specifications

- The piston is fitted with brass rollers
  running on guide bars and needle roller bearings are fitted in the
  connecting rod so that friction is reduced to a minimum.
- A protractor is attached to the crank
  which may be rotated on the beam balance arm and clamped in any
  predetermined angular position.
- A linear scale is attached to the piston guide so that the piston displacement can be measured.
- The crank effort may be determined by attaching suitable masses to the beam balance arm.
- Experiment manual

Optional equipment :

- The unit may be wall mounted or fitted to the Universal Bench Mounting Frame.

Dimensions and weight

- Length : 540mm, Height : 270mm, Depth : 480mm
- Net Weight : 14kg

Essential requirements

A set of masses

Electrical and Electronics

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