

**Description:**

This bench-mounted unit is designed to analyze follower displacement relative to the angular rotation of various cams. It allows for the derivation of velocity and acceleration diagrams, and the determination of maximum follower acceleration for a range of cams and followers.

Components:

- **Main Spindle:** Supports each cam and enables manual rotation.
- **Central Shaft:** Each cam is mounted on this shaft and is free to rotate.
- **Dial Gauge:** Measures follower displacement with a 25mm range, 0.01mm resolution, and a 60mm diameter reading face.
- **Angular Protractor:** Displays the cam's angular position with a 360° range and 1° resolution.
- **Cams (Supplied as Standard):**
 - Simple Harmonic Motion Cam
 - Uniform Motion Cam
 - Constant Acceleration Cam
 - Tangent Cam
 - Eccentric Cam
- **Followers:** A set of followers that run on the perimeter of each cam.
- **Roller and Knife-Edge:** For precise follower movement.

Features:

- **Clear Readings:** Angular and dial gauge readings are easily visible.
- **Manual Rotation:** Cams are rotated by hand, and their position is recorded using the protractor and pointer.
- **Instruction Manual:** Includes detailed guidance for both instructors and students.
- **Tools:** All necessary assembly and operational tools for complete functionality are included.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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Usage:

- **Analysis:** Determine follower displacement, velocity, and acceleration.
- **Measurement:** Record angular positions and displacement accurately.
- **Adaptability:** Easily swap cams and record data for different types of cam profiles.

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