



THE LAB EQUIPMENT

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Product Name :

Cam Analysis Machine

Product Code :

SLE/ETM/10



Description :

- The main part of the product has a precision machined heavy steel base which holds a high-torque direct-drive variable-speed motor.
- The follower fits to the bottom of a vertical shaft running in low-friction linear bearings.
- Include a tool for easy changeover of a choice of two followers.
- The motor shaft connects through a coupling to the main shaft which then passes into the cam test area.
- Self-aligning heavy-duty bearings support the shaft which has a substantial flywheel.
- The flywheel reduces speed variations as the torque demand changes during the cam rotation cycle.
- Students may also fit one of a choice of two compression springs and adjust their preload.
- These add to the mass of the follower and vertical shaft pushing the follower onto the cam face.
- Students may also add different masses to alter the mass of the follower and thus the force applied to the cam.
- The selection of springs, followers and cams allow for a wide range of investigations.
- The cam under test fits to the end of the main shaft, accurately mounted both axially and radially to ensure repeatability.

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