Cam Analysis Apparatus

Product Categories: Engineering Equipment
Product Tags: Engineering products
Product Page: https://www.labappara.com/product/cam-analysis-apparatus/

Product Description

Cam Analysis Apparatus - Engineering products
The setup is a motorized unit consisting of a camshaft driven by a variable speed motor. The free end of the camshaft has a facility to mount the cam easily. The follower is properly guided in gunmetal bushes and the type of follower can be changed according to the cam under test. Graduated circular protractor is fitted co-axial with the shaft and dial gauge fitted on the follower shaft, is used to note the follower displacement for the angle of cam rotation. A spring is used to provide controlling force to the follower system. Weights on the follower shaft can be adjusted as per the requirement. An arrangement is provided to regulate the speed. The apparatus is very useful for testing the cam performance for jump phenomenon during operation and the effect of change of inertia forces on jump action of cam-follower during operation can be observed. Three sets of cams and followers are supplied with the apparatus. These are already hardened to reduce the wear.
With the help of combination of provided cams and followers following experiments can be conducted:
Specifications:

Cam -Eccentric, tangent and circular ARC type - one each
Follower- mushroom, flat faced and roller type - one each
Cams and followers are hardened to reduce wear of the surfaces
Variable speed motor coupled to camshaft of suitable range and Variac
A dial gauge to note the follower displacement
A technical manual accompanies the equipment
Services Required:

230 V, A.C. stabilized supply along with earthing connection
Bench area 0.5m x 0.5m x 0.5m height
Tachometer to measure the jumping speed, (can be supplied extra)
Features:
Accurate measurement
Durability
Precisely designed

Easy operations
Dimensional accuracy
Energy efficient