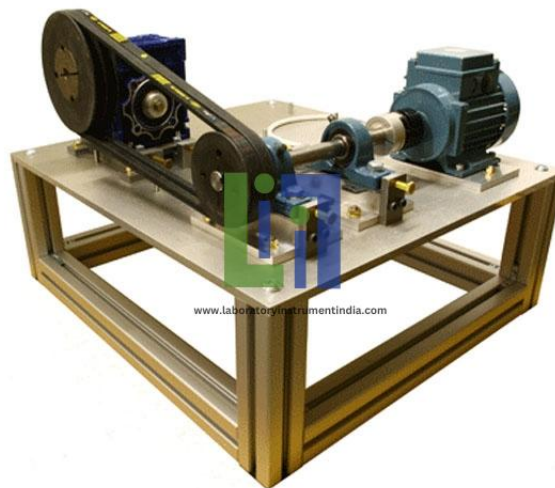




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Product Name :
Alignment Of Drives Shafts And Gears

Product Code :
LBNY-0005-10100057



Description :

The assembled element system - journal bearing or gear unit - is mounted on the test bed. Here, the complete system is properly assembled, with particular regard to the alignment of the system components. The units (shaft with journal bearings) and (combination gear units) are tested with unit. A successfully completed assembly project can then be examined in operation with a formal final test. Parameters examined during test procedure are; running noise, heat generation, vibration or leakage. The T-slots allow the installed length to be varied, and therefore can be easily adapted to the drive element. Two couplings connect the element system to the motor and the brake. Includes a single-phase asynchronous motor drive, a magnetic particle brake with adjustable braking torque, and a rigid machine bed with T-slots on which the motor and the drive element under test are mounted. The controls are on the switch box. The braking torque is set here using a potentiometer. The students must align the connections between the motor and the element system, and between the element system and the brake.

Technical Specification :

Single-phase asynchronous motor with metal bellows coupling
Externally vented magnetic particle brake with claw clutch, braking power adjustable by potentiometer
Tester for functionality testing mechanical drive systems: journal bearing-supported shaft, combination gear unit
The unit forms part of the assembly, maintenance and repair practice line
T-slot aluminium profile for adjustable mounting of drive components
Switch box with controls and digital display of exciter current
Coupling guards.



Laboratory Instrument India