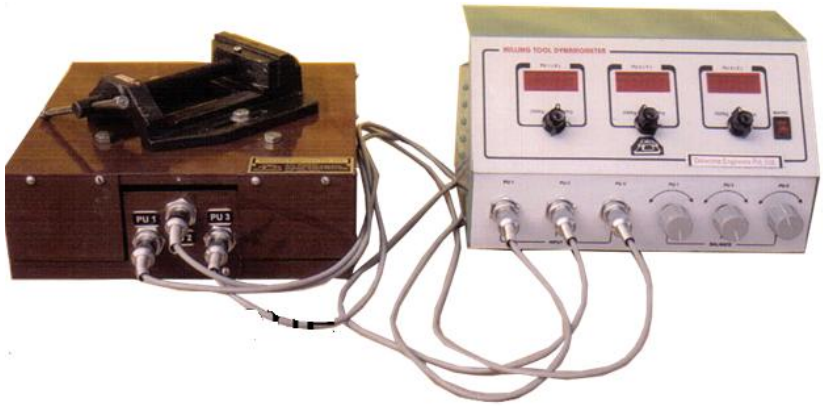
FADAK LAB EQUIPMENTS

TOM-022 MILLING TOOL DYNAMOMETER



RANGE OF EXPERIMENTS TO BE CARRIED OUT:

1. To Study the Effect of speeds and feeds on the action of cutting tool.
2. To Study the Effect of Mechanical properties of work material on cutting forces.
3. To observe the Values of forces exerted on machine components on jigs and fixtures, and effect of these forces on the geometrical accuracy of the work pieces.

TECHNICAL DESCRIPTION:

This is simple & easy to understand. With this unit students can evaluate cutting forces for varying cutting depth, speed & feed. The unit works on standard method of Octagonal ring with strain gauges. It is in two parts one mechanical set up consisting a set of octagonal rings sandwiched between two M. S. plates with strain gauges fixed on it. This set of octagonal rings transmits the relevant data to the force indicator during milling operation.

DIMENSIONS AND WEIGHT :

Size :0.3 m.(L)x 0.3 m(W) X 0.3m (H)
Weight :Approx. 5 Kg

SERVICE REQUIRED :
230 v Ac Supply 50 Hz

SCOPE OF DELIVERY:

1. Experimental Setup
2. Instructional Manual

OPTIONAL FACILITY: Data logging Facility

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