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Product Name :
Turbojet Engine Test Stand

Product Code :
LBNY-0005-1650001



Description :

The engine used incorporates a single stage centrifugal compressor, feeding air into a combustion chamber fed by multiple fuel injectors, and through to a single stage centrifugal turbine. The turbo jet test stand is mounted on a wheeled trolley allowing it to be moved to an operational area or stored in a convenient location. We have developed a turbo jet engine test stand to provide a cost effective method of testing the performance of an operational aero jet engine. The test stand provides a fully functioning and instrumented engine.

Experimental Capability:

Performance analysis of a Turbojet at varying power
Demonstration of the Turbo jet principle

Technical Specification :

The unit should alternatively be provided with a physical mimic diagram plate or be instrumented for data acquisition and a digital mimic diagram. Thrust produced must be greater than the range up to 230N and be measured electronically. A trolley mounted single shaft turbojet designed for flight is to be supplied so as to demonstrate the turbojet principle. It is to be instrumented, so as to allow a performance analysis of the turbojet at various speeds to be undertaken. Speed is to be up to 110,000 rpm and full power pressure is to be over 2 bar.

Laboratory Instrument India

