



THE LAB EQUIPMENT

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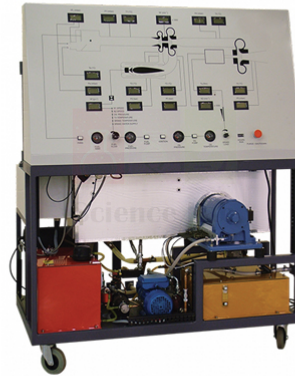
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**Product Name :**

Two Shaft Gas Turbine

**Product Code :**

SLE/EE/05



## Description :

- A self-contained, fully instrumented, educational two-shaft gas turbine.
- A steel frame holds a gas generator, power turbine, combustion chamber, oil and fuel tanks, pumps, ancillaries and guards.
- Air passes through a calibrated nozzle and air box, into a compressor, then into the combustion chamber.
- A pump transfers fuel from the fuel tank to spray through a special nozzle into the combustion chamber.
- A high-energy spark ignites the air and fuel mixture, that flows to a gas generator turbine.
- There is an instrumentation and control panel with schematic diagram.
- The clearly labelled control panel with mimic diagram includes the instrument displays, controls and warning lights.
- The combustion chamber gives excellent combustion, low pressure loss and good flame stability over a wide range of conditions.
- A fuel flow control valve on the instrumentation and control panel regulates the turbine speed.
- This design reduces the possibility of overspeed.

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