

**Product Name :**  
Axial Flow Turbine Engine

**Product Code :**  
ENGLABINGCAG690007



**Description :**

Axial Flow Turbine Engine

**Technical Specification :**

"The engine is controlled via the software, which provides users with a friendly graphical interface for real-time monitoring and operation. This software controls the engine speed, which is electronically controlled using a high precision fuel gear pump. This method gives a very fast engine response.

The engine inlet has been replaced with a custom fabricated frontal duct, to enable the air mass flow rate to be accurately measured.

An electronic pre-programmed controller constantly supervises the engine, ensuring safe operating conditions at all times.

The engine has been integrated into a sturdy metal frame that holds it firmly, whilst enabling accurate measurement of the thrust produced by the engine.

The engine is very easy to start and stop from the software interface and automatic, optimal start-up and power-down sequences are already set to assure minimum mechanical stresses. There is no requirement for compressed air supply or propane gas to start the engine.

**Specifications:**

An aeronautical axial flow gas turbine engine mounted on a stainless steel plinth, suitable for bench mounting.

The engine is easy to start, without the need for propane gas or compressed air.

The equipment is fully controlled from a user supplied PC.

The software includes powerful educational features together with sophisticated graph plotting and data logging capability.

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An optional mounting frame is available for floor-standing operation.

Stainless Steel air inlet duct to measure air flow.

The engine has a maximum speed in excess of 100,000 rpm and generates a thrust of at least 195N.

Full instrumentation to measure rpm, thrust, temperature and pressure at each stage of the jet engine."



## Engineering Lab Equipment India