

**Product Name :**  
Axial Flow Turbine Test Bed

**Product Code :**  
ENGLABINGCAG340003



**Description :**

Axial Flow Turbine Test Bed

**Technical Specification :**

**FEATURES:**

- Complete aeronautical axial flow gas turbine engine
- Full instrumentation and sensors
- Easy installation into a test cell (single USB interface)
- High-performance centrifugal compressor
- Simple ignition system, based on a common Rossi R8 glow plug
- Data acquisition and educational software included
- Small-scale equipment minimizes laboratory space needed
- Fully tested for high performance and safety
- High maximum RPM
- Fast response to speed changes
- Single point pivot on engine mounting enables accurate thrust measurement
- No need for external lubrication system; the lubricant is mixed with the fuel
- No need for external battery and charger
- Can be fuelled with common paraffin or kerosene – no need for difficult-to-find aviation fuel
- Tough, transparent polycarbonate safety screen
- An optional floor-standing frame is available to house the unit together with its fuel tank and electronic console

**SPECIFICATIONS:**

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Thrust: 200N typical  
Exhaust gas temperature: 800°C typical  
Mass flow: 450 g/s  
Ignition system: Glow plug  
Compressor type: Single-stage radial  
Turbine type: Single-stage, low-mass axial flow  
Engine rpm: 105,000rpm typical  
Engine mount: Single pivot point



**Engineering Lab Equipment India**