ENGINEERING LAB EQUIPMENTS

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Product Name : Subsonic Wind Tunnel	**Product Code :** ENGLABINGCAG9100002

Description :

Subsonic Wind Tunnel

Technical Specification :

Saves time and money compared to full-scale wind-tunnels or airborne laboratories
Operates at meaningful Reynolds numbers
Compact, open-circuit suction design
Wide variety of experiments in aerodynamics
Comprehensive selection of optional instrumentation, models and ancillaries
High levels of safety
Controls and instrumentation conveniently mount on a separate, free standing frame

Experiments
A wide variety of subsonic aerodynamics experiments (some need ancillaries), including:
Flow past bluff and streamlined bodies with pressure and velocity observations in the wake
Investigations into boundary layer development
Influence of aspect ratio on aerofoil performance
Performance of an aerofoil with flap, influence of flap angle on lift, drag and stall
Pressure distribution around a cylinder under sub and super-critical flow conditions
Study of characteristics of models involving basic measurement of lift and drag forces
Study of the characteristics of three-dimensional aero foils involving measurement of lift, drag and pitching moment
Study of the pressure distribution around an aerofoil model to derive the lift and comparison with direct

measurements of lift.
Drag force on a bluff body normal to an air flow

Available Other :-Subsonic Wind Tunnel
Supersonic Wind Tunnel (Intermittent)
Supersonic Wind Tunnel (Continuous)