

Product Name : Flow Visualisation Wind Tunnel	Product Code : Aerodynamics-0006
	
Description :	
Flow Visualisation Wind Tunnel	
Technical Specification :	
A vertical, suction-type wind tunnel with smoke visualisation. Allows demonstrations and student investigations into the flow of air around a wide variety of differently shaped models. Ideal for small group experiments or classroom demonstrations, the apparatus is floor standing. A variable-speed fan mounted on top of the wind tunnel produces the air flow through the working section. Air flow is vertically upwards. A smoke generator connects to a comb mounted in the wind tunnel below the working section. Students can move the comb from side to side to aid investigations into the aerodynamic properties of a test model. Smoke is produced by the vapourisation of a high-quality food-grade oil. A filter helps provide uniform air flow. The smoke is non toxic. The front wall of the working section of the wind tunnel is	

transparent and removable. This enables users to easily and quickly attach the optional models to the back of the working section. It also allows a clear view of the smoke trails. The wind tunnel includes a set of models, with an additional set available separately. Lamps illuminate the working section from both sides to improve the visibility of the smoke.

The wind tunnel is held on a metal frame fitted with castors for mobility. A control unit on the frame contains the controls for the fan speed

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