

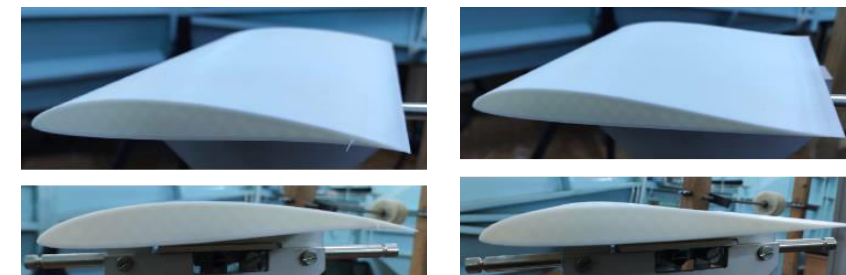
Title: Experimental Studies on Finiteness of a Wing

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Funding Agency: Aeronautical Research and Development Board

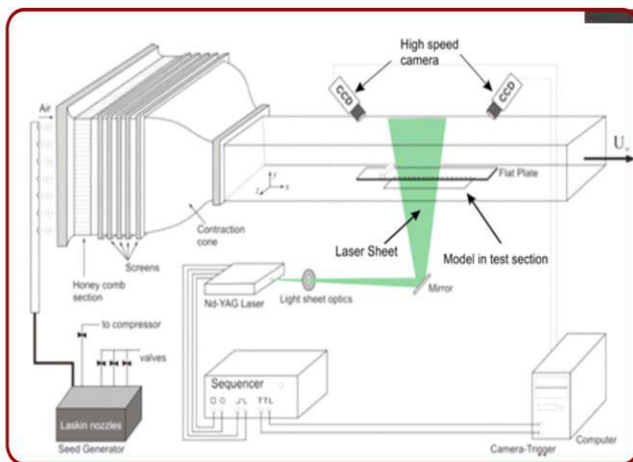
Objective is to study aerodynamic performance of wings through wind tunnel tests for

- 1). dependence of Critical aspect ratio on Reynolds number
- 2). dependence of Critical aspect ratio on aerofoil cross-section



E-214

S5010



Specification of Wind Tunnel at IITG	
1. Test section: Square cross section	600 mm × 600 mm × 2000 mm
2. Speed range:	4-40 m/s (14.4-144 km/h)
3. Contraction ratio/contraction length	9/1.8 m
4. Settling chamber:	1.8 m × 1.8 m
5. Honeycomb size:	25 mm × 25 mm × 200 mm
6. Drive:	22 kW AC motor/1450 rpm

