NWTF 🚬

Cranfield University Icing Tunnel

Location: Cranfield, Bedfordshire	Designation: Low Speed Open Return
Owner(s): School of Engineering Cranfield University Bedfordshire, MK43 OAL United Kingdom	Performance Mach Number: 0.1 – 0.5 Maximum Flow Speed: 35m/s - 170m/s Reynolds No: 2.5 x 10 ⁶ /m – 12.4 x 10 ⁶ /m. Total Pressure: Ambient Dynamic Pressure: up to 18.3 kN/m ² Total Temperature: Ambient
Test Section Size: Section 1: 0.76m x 0.76m. Section 2: 0.81m octagonal Section 3: 0.4m x 0.4m	Turbulence intensity: < 1% Run Time: Continuous. Typical Recharge Time: n/a.
Operational Status: Operational	Testing Capabilities: Model Support: n/k. Data Acquisition: multiple channel high speed data acquisition system
Number and Type of Staff: Scientific: n/k Technical Support: 1 – 2 technicians	data acquisition system. Outputs : Forces and Moments, pressure and temperature. Flow visualisation: Thermography.