Product name:	Product code:
Aircraft Paint and Coating Rain Erosion Resistance Test Rig	CMI-IND-0426

Description

Spray rain simulation rig that blasts rotating coated blades or coupons with water droplets at high speed. Used by coating suppliers for leading edge protection.

Technical specification

- Specimen coupons
- Nozzle set
- Safety guard

Specimens spin on an arm through a curtain of falling water, imitating high-speed flight in rain. Mass loss and erosion time are compared across polyurethane and fluoroelastomer coatings used on radomes and rotor blades.

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Features

- Rotating arm with specimen mounts
- Calibrated water drop nozzle array
- Speed control up to 250 m/s tip speed
- Transparent safety guard
- Digital timer and rpm display

Technical Specifications

Arm length	500 mm
Tip speed	Up to 250 m/s
Drop size	1 to 2 mm
Rain rate	25 mm/hr
Specimens	2 coupons
Motor	11 kW VFD
Standards	ASTM G73, MIL-STD-810 rain erosion
Power	415 V, 3 phase, 50 Hz

Standard Accessories