

1.2 m Trisonic Wind Tunnel

Performing splendidly for over 40 years



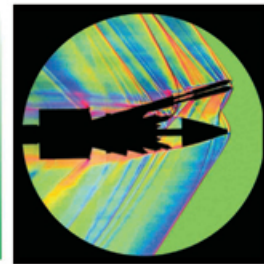
CSIR-NAL

Every Indian aerospace vehicle has graduated out of CSIR's 1.2 m x 1.2 m trisonic wind tunnel. Several novel testing techniques have been developed including the special test rig to measure roll damping on space vehicle models.



1.2 m trisonic wind tunnel

- Intermittent blowdown type tunnel space
- Test section size 1.22 m x 1.22 m
- Mach number range: 0.2 to 4.0
- Reynolds number range: 8 to 60 million per metre
- More than 40,000 blowdowns completed

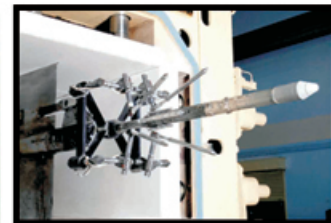


Schlieren visualization

Test Techniques & Capabilities



Twin sting support system for booster load measurements



Simultaneous force measurements on core balance and four strap-on balances