

Testing devices and facilities

The IAT has resources to study aerodynamics as well as a metrology laboratory to develop and to calibrate wind tunnel balances and sensors. In addition to test stand facilities, measurement systems and scientific computing tools.

Wind tunnels :

- Industrial services
- Applied research
- Real-size or small
- Speed range: 0 to 55 mps

Blowers:

- Industrial services
- Applied research
- Modular pipe
- Speed range: depending on the section

Test stand facilities:

- On-demand design
- Internal or external aerodynamics
- Aeraulics

Metrology:

- To develop and calibrate internal and external aerodynamic wind tunnel balances
- To develop and calibrate various measurement systems (Kiel probe, ...)
- On-demand services

Measurement systems:

- Strain/moment
- Pressure
- Velocity
- Vibration
- Acoustic

Computing tools:

- The study of aerodynamics
- The study of aeroacoustics
- On-demand services

Research unit:

- To develop test stand facilities
- Scaling wind tunnel balances
- On-demand services

Workshop:

- Rpm sensor, milling machine, 4 axis numerical controller
- To develop test stand facilities
- Maintenance of the materials and installations
- On-demand services

