



# Coupon and Panel Testing

## Experience

Using our standard test benches for static, fatigue and failure tests, CTA's structural testing department offers customers the possibility of applying tension, compression and shear forces on specimens ranging from small coupons through to large panels with multiple boundary conditions for the aircraft of leading manufacturers such as Airbus, Embraer and Bombardier.

## Know-How

CTA transfers its know-how in the field of complex structural tests to its coupon and panel testing activities, performed using versatile high-load test benches for large panels.

We offer anti-buckling guidance and other boundary conditions, along with standard additional services such as impact and NDT.

All these tests can be carried out with thermal and/or humidity controls using our custom-built thermal chambers.

## Capacities

500kN Universal test machine with hydraulic grips

3MN Tension/Compression/Shear test bench

4,5MN Tension/Compression test bench

Wet ageing chambers for big panels

2000+ strain gage data acquisition channels

Load cells, Torque transducers, LVDT's, Pressure Transducers and Temperature Sensors.

Temperature generators and Humidity Chambers

3D non-contact displacement measurement, High Speed Video camera, Ultrasonic Inspection Equipment