

Boeing unveils "eco-friendly" Dreamliner

Boeing's new long-distance "Dreamliner" has been touted as the world's most environmentally- and customer-friendly airliner. Built of lightweight composite materials, the 787 uses up to 20 percent less fuel than other planes of its size, and boasts the most comfortable interior in the sky

INTERIOR: Composite structure allows higher cabin pressure and humidity. Dynamic LED lighting simulates transition from daylight to night sky



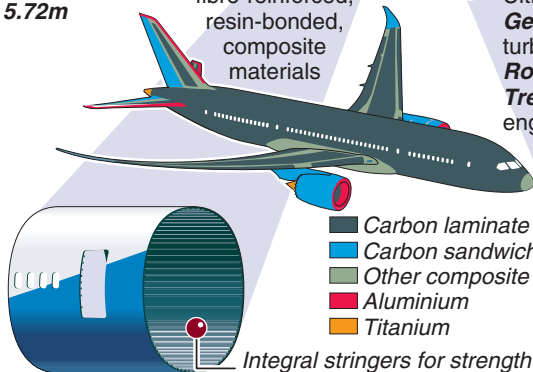
Range: **15,200km**
Cruising speed: **902km/h**

48cm windows –
largest on any
airline

Length: **56.72m**
Wing span: **60m**
Cabin width:
5.72m

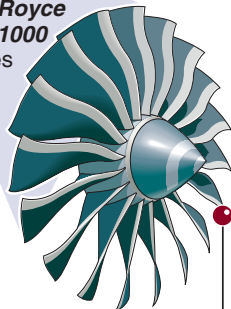
STRUCTURE:
50% made of
fibre-reinforced,
resin-bonded,
composite
materials

POWERPLANTS:
Ultra-efficient 80,500lb-thrust
General Electric GEnx
turbofans. Can also use
Rolls-Royce
Trent 1000
engines



Integral stringers for strength

One-piece carbon-fibre fuselage barrel –
largest composite pressure vessel ever
made – replaces 1,200 sheets of
aluminium and 40,000 rivets



All-composite fan blades
and case for low weight
and low maintenance