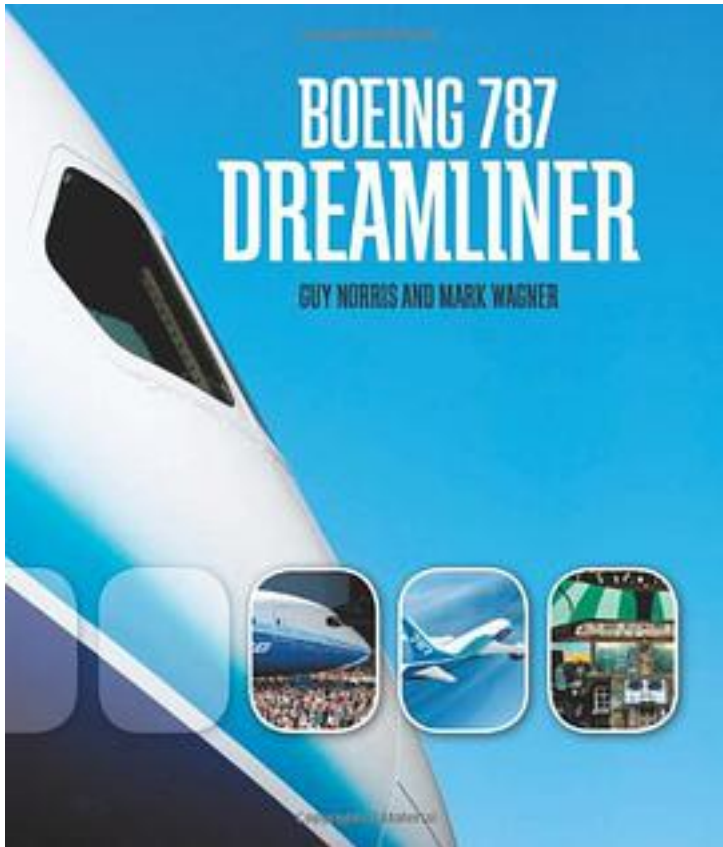


Boeing 787 Dreamliner



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Boeing's 787 Dreamliner is scheduled for service in 2009, and this comprehensive, exciting, informative book takes the reader on a behind-the-scenes look at the first all-new aeroplane developed by Boeing for decades. Closely detailing the design and building, the drama behind the launch, key company players, critical decisions about new lightweight materials - the fuselage is 50 percent composite, 20 percent aluminium, 15 percent titanium, 10 percent steel - and a host of other ground-breaking

technological advances. The Dreamliner will have 35 tonnes of carbon-fibre plastic, can cruise at Mach 0.85 (905 kph, or 561 mph) for 8,500 Nautical miles (or from New York to Taipei); the cabin has increased pressure, electrochromism 'auto-dimming' windows, and LED lighting to increase comfort, whilst the cabin itself is 15 inches larger than the Airbus A 380; cockpit controls are based on the Lockheed Martin Orion spaceship, with a yoke instead of a side stick, and all air is filtered through High Efficient Particulates to remove bacteria and ozone. The Dreamliner will be the only aircraft capable of fully changing from Rolls-Royce Trent 1000 engines to General Electric GEnx engines in 24 hours, and will also feature a bleedless turbo fan to improve engine efficiency; ice build-up will be melted by under-skin electrical systems; and the design is improved for mobility-impaired persons - the toilets, for example, feature a movable wall that can slide to change two single toilets into one larger wheel-chair accessible one. "Dreamliner" is a book bound to appeal to any aviation enthusiast, with its mix of authoritative text and stunning illustrations

作者介绍:

目录:

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