

## About

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Boom is redefining what it means to fly by building Overture, history's fastest commercial airliner. Boom's vision is to bring families, businesses, and cultures closer together through supersonic travel and make the world dramatically more accessible.

**CEO:** Blake Scholl

**Year Founded:** 2014

**Headquarters:** Denver, CO

**Funding:** (as 6/30/19) - \$150 million

**Investors:** - Emerson Collective, Y Combinator Continuity, Caffeinated Capital, and SV Angel

**Preorders:**- Virgin Group (10 aircraft, November 2016), Japan Airlines (20 aircraft, March 2018)

## Aircraft

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### XB-1

**What:** A one-third scale demonstrator airplane for Overture and a critical step toward mainstream supersonic travel

**Purpose:** XB-1 will prove the key technologies for safe, efficient travel at supersonic speeds

**Speed:** Mach 2.2

**Engine:** 3 GE J85-15 Engines

**Flight Testing:** 2020



### Overture

**What:** A commercial airliner that will be the fastest airliner ever created and history's most efficient supersonic jet

**Purpose:** Make supersonic travel mainstream and affordable

**Seats:** 55-75

**Speed:** Mach 2.2

**Cruising Altitude:** 60,000 ft

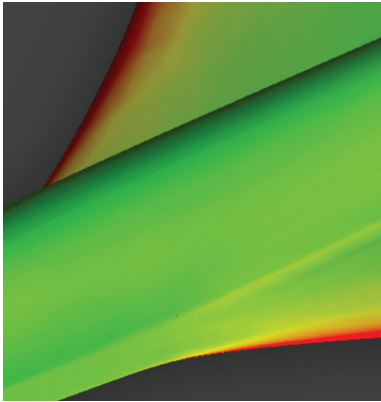
**Ticket Price:** Fares similar to today's long-haul business-class

**Sale Price:** \$200 million, plus options and interior

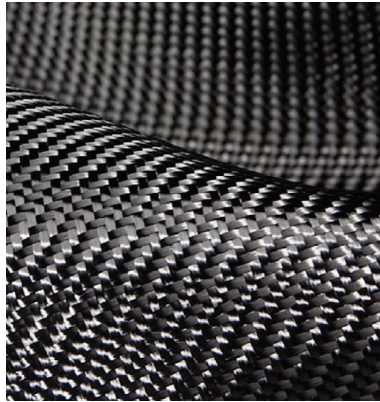
**In Service:** Mid 2020's

## Technology & Certification

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**Aerodynamics:** Using a combination of computer simulations and wind-tunnel testing, XB-1 and Overture will balance low-speed stability with high-speed efficiency.



**Materials:** Featuring advanced thermally stable carbon-composite airframes, XB-1 and Overture are easier to fabricate and lighter than aluminum, maximizing fuel efficiency.



**Propulsion:** Using a state-of-the-art inlet, both XB-1 and Overture provide stable, consistent airflow for its engines across a variety of speeds and conditions.

**FAA Certified:** Every element of XB-1 and Overture has already been certified by the FAA in other contexts

## Customers

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Airlines flying long, transoceanic routes compete fiercely to differentiate themselves from the competition. Offering supersonic service gives airlines a demonstrably superior product: flights twice as fast.

**Benefits to airlines include:**

- Increased business class revenue
- New fliers
- Positioning of the airline's brand as a leading innovator
- Increased aircraft utilization and number of potential flights per year

## Environment & Noise

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**Alternative Fuels** - Overture will accommodate drop-in sustainable alternative fuels, reducing our carbon footprint by roughly 80%.

**Carbon-Neutral Growth** - Boom supports the UN's existing CORSIA framework, aviation's historic climate agreement, which states that all growth in international aviation emissions from 2020 will be offset, whether subsonic or supersonic. More travel and no new net emissions is an unequivocal win for humanity.

**Takeoff/Landing Noise** - Overture is designed with the latest noise-reducing technologies, ensuring no increase to existing noise contours. The overall impact of Overture on airport communities will be similar to the long-haul aircraft it replaces.

**Sonic Boom** - Overture will only fly at supersonic speeds over the ocean, eliminating community exposure to sonic booms.

## The team

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Boom brought together a highly accomplished team who is dedicated to making the world dramatically more accessible.

- Contributions to over 130 air and spacecraft
- 30 licensed pilots
- 17 founded a company
- 24 worked on space programs

## Contact

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