

The Market for Aviation Turbojet Engines

2018-2027



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The Market for Aviation Turbojet Engines 2018-2027

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The Market for Aviation Turbojet Engines

Executive Summary

Manufacturers of aviation turbojet engines will deliver 9,537 units from 2017-2026. The estimated value of this production will total over \$775 million.

The market for turbojet engines is much smaller than the markets for the other types of aviation gas turbines that we cover. In a world in which operators constantly invoke the need for higher fuel efficiency and longer range, the turbojet suffers from declining interest. Aircraft manufacturers abandoned turbojet engines for most applications long ago, but they remain useful for applications requiring a relatively low-cost engine with a very high power-to-weight ratio. Applications that require long-range flight or high levels of endurance, such as unmanned aerial vehicles (UAVs) or cruise missiles, are typically better served by small turbofan engines.

Production of turbojet engines is largely supported by aerial target/drone and missile programs, with only light, and/or occasional, demand from UAV programs.

The turbojet engine market is highly concentrated. Just three manufacturers will account for over 90 percent of the market for aviation turbojets in terms of unit production over the next decade. These makers are Pratt & Whitney (39%), Safran (37%), and Teledyne (15%). The remainder of the market will be split among India's Hindustan Aeronautics Ltd, Japan's Mitsubishi Heavy Industries, and Taiwan's Nationalist Chinese Arsenal.

North America and Europe will account for the lion's share of demand for turbojet engines due to their heavy use of advanced aerial targets for training and cruise missiles during operations. Asia will also offer a significant source of demand, primarily met by production of equipment for China, Japan, and Taiwan.

* * *

PROGRAMS

The following reports are included in this section: (**Note:** a single report may cover several programs.)

HAL PTAE-7

Mitsubishi TJM2/3/4

Pratt & Whitney TJ-150

Safran Arbizon

Safran Power Units TR Turbojet Family

Safran Power Units TRS 18

Teledyne J402

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