

Turboshaft Engine Market Drivers 2025-2029: Regional Outlook and Sizing Analysis

*The Business Research Company's
Turboshaft Engine Global Market Report
2025 – Market Size, Trends, And Global
Forecast 2025-2034*

LONDON, GREATER LONDON, UNITED
KINGDOM, October 31, 2025

/EINPresswire.com/ -- "Get 20% Off All
Global Market Reports With Code

ONLINE20 – Stay Ahead Of Trade Shifts, Macroeconomic Trends, And Industry Disruptors



The Business
Research Company

Turboshaft Engine Global Market Report 2025

Turboshaft Engine Market Growth Forecast: What To Expect By 2025?

In recent times, there has been a significant expansion in the [turboshaft engine market](#) size. It's

“

Get 20% Off All Global
Market Reports With Code
ONLINE20 – Stay Ahead Of
Trade Shifts,
Macroeconomic Trends, And
Industry Disruptors”

*The Business Research
Company*

expected to surge from \$5.15 billion in 2024 to \$5.54 billion in 2025, with a compound annual growth rate (CAGR) of 7.6%. The heightened growth during the historical period could be associated with factors like the expanding helicopter leasing market, increased interest in unmanned cargo rotorcraft, rising demand for smaller engines with more thrust, the escalating civil aviation sector in burgeoning economies, and the amplified use of engines in firefighting helicopters.

Predictions for the turboshaft engine market indicate a

significant expansion in the next few years, reaching an estimated value of \$7.33 billion by 2029, with a compound annual growth rate (CAGR) of 7.2%. This anticipated growth during the forecast period is linked to several factors: growing demand for military helicopters, a heightened drive for engines that are lighter and consume less fuel, increased government defense spending, rising investments in urban air mobility initiatives, and escalating utilization of digital engine control systems. Key trends for the forecast period encompass advancements in fuel-efficient combustion technology, the incorporation of additive manufacturing (3D printing) technology, improvements in digital twin solutions, the introduction of advanced cooling technologies, and creative breakthroughs in rotorcraft propulsion systems.

Download a free sample of the turboshaft engine market report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=28857&type=smp>

What Are Key Factors Driving The Demand In The Global Turboshaft Engine Market?

The turboshaft engine market is projected to grow, spurred by the ascend in defense funding. Defense budgets represent the financial resources provisioned by a country's government specifically for the management, development, acquisition, upkeep, and operational preparedness of its military forces and associated defense infrastructure. The escalating complexity of national security threats is one of the key factors contributing to increased defense budgets as governments feel pressured to invest more in advanced technologies, training, and capabilities to maintain strong defense postures and strategic deterrence. Turboshaft engines contribute to the improved efficiency, performance, and reliability of military helicopters and other rotary-wing aircraft, thus aligning with the goals of modern, well-resourced defense initiatives. To illustrate, the International Institute for Strategic Studies (IISS), a UK-based independent research group, reported in February 2025 that global defense expenditure climbed to USD 2.46 trillion in 2024, up from USD 2.24 trillion in 2023. Real-term growth accelerated to 7.4 percent, outpacing the 6.5 percent in 2023 and 3.5 percent in 2022, leading to an average GDP allocation of 1.9 percent in 2024, a raise from 1.6 percent in 2022 and 1.8 percent in 2023. Hence, the turboshaft engine market is being bolstered by the increased defense budget.

Who Are The Leading Players In The Turboshaft Engine Market?

Major players in the Turboshaft Engine Global Market Report 2025 include:

- Honeywell Aerospace Inc.
- GE Aerospace
- Pratt & Whitney
- Rolls-Royce Plc
- Aero Engine Corporation of China
- Kawasaki Heavy Industries (KHI)
- IHI Corporation
- AVIC Engine Corporation
- MTU Aero Engines AG
- Safran Group

What Are Some Emerging Trends In The Turboshaft Engine Market?

Prominent businesses in the turboshaft engine market are bidding on strategic alliances to advance the creation of state-of-the-art free power turbines and efficient engine parts. This is targeted at improving functionality, cutting down fuel usage, and achieving the demanding reliability and safety criteria essential in today's military and civilian helicopters. The Free Power Turbine (FPT), that operates separately from the engine's gas generator and taps energy from exhaust gases to turn an output shaft like a helicopter rotor, is not mechanically linked to the compressor or turbine that generates the engine's gas flow. In June 2025, for instance, Avio Aero, an Italian company proficient in aviation propulsion systems, has collaborated with Safran

Helicopter Engines, a French helicopter engine maker, and MTU Aero Engines from Germany, a commercial and military aircraft engine manufacturer, to create cutting-edge military helicopter engines. This cooperation is geared towards delivering high-power, fuel-efficient, and durable turboshaft engines with modular design and digital monitoring systems. Promising an easier maintenance and amplified helicopter performance, this strategic alignment backs the European strategic independence.

Analysis Of Major Segments Driving The [Turboshaft Engine Market Growth](#)

The turboshaft engine market covered in this report is segmented as

- 1) By Engine Type: Single-Spool Turboshaft Engines, Multi-Spool Turboshaft Engines, Turbocharged Turboshaft Engines
- 2) By Fuel Type: Aviation Turbine Fuel (ATF), Biofuels, Diesel, Jet Fuel
- 3) By Power Rating: Below 500 HP, 500–2000 HP, Above 2000 HP
- 4) By Application: Aerospace, Defense, Commercial Aviation, Industrial, Marine
- 5) By End-User: Commercial Operators, Military Or Government, Original Equipment Manufacturers (OEMs), Maintenance Repair And Overhaul (MRO) Providers

Subsegments:

- 1) By Single-Spool Turboshaft Engines: Light Duty Engines, Medium Duty Engines, Heavy Duty Engines
- 2) By Multi-Spool Turboshaft Engines: Twin Spool Engines, Triple Spool Engines, Variable Spool Engines
- 3) By Turbocharged Turboshaft Engines: Low Pressure Turbocharged Engines, Medium Pressure Turbocharged Engines, High Pressure Turbocharged Engines

View the full turboshaft engine market report:

<https://www.thebusinessresearchcompany.com/report/turboshaft-engine-global-market-report>

Which Region Is Expected To Lead The Turboshaft Engine Market By 2025?

In the Turboshaft Engine Global Market Report 2025, North America was denoted as the leading market in 2024. It is predicted that the quickest expansion will be seen in the Asia-Pacific region. Precisely, the report presents data from the following regions: Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

Browse Through More Reports Similar to the Global Turboshaft Engine Market 2025, By [The Business Research Company](#)

Turboprop Engine Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/turboprop-engine-global-market-report>

Aircraft Turbofan Engine Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/aircraft-turbofan-engine-global-market-report>

Automotive Crankshaft Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/automotive-crankshaft-global-market-report>

Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbrc.info

The Business Research Company - www.thebusinessresearchcompany.com

Follow Us On:

• LinkedIn: <https://in.linkedin.com/company/the-business-research-company>"

Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/862894067>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.