

# Global Foil Bearings Market Growth 2026-2032

<https://marketpublishers.com/r/G4D84A66A20AEN.html>

Date: July 2026

Pages: 144

Price: US\$ 3,660.00 (Single User License)

ID: G4D84A66A20AEN

## Abstracts

The global Foil Bearings market size is predicted to grow from US\$ 494 million in 2025 to US\$ 872 million in 2032; it is expected to grow at a CAGR of 8.5% from 2026 to 2032.

In 2025, global Foil Bearing output reached about 2.4 million units and global capacity of around 2.8 million units. The average price is about USD 210 per unit, with gross margins near 34%. Foil Bearings are advanced self-acting aerodynamic or hydrodynamic bearings that use flexible metal foils instead of rolling elements or conventional fluid-film bearing surfaces to support rotating shafts. During operation, shaft rotation generates a thin gas film (typically air) between the shaft and the foil structure, enabling near-frictionless, oil-free operation at high speeds and temperatures. Foil bearings are widely used in microturbines, turbochargers, air cycle machines, fuel cell compressors, aerospace systems, and high-speed industrial turbomachinery. The supply chain begins with upstream suppliers of high-performance materials such as nickel-based superalloys, stainless steels, titanium alloys, specialty coatings (e.g., solid lubricants, PS304 coatings), and precision metal foils. Midstream manufacturers design and fabricate bump foils, top foils, bearing cartridges, and integrated foil bearing systems through precision stamping, forming, welding, coating, and machining processes. Downstream customers include aerospace OEMs, power generation equipment manufacturers, automotive turbocharger producers, HVAC and refrigeration compressor manufacturers, defense contractors, and industrial turbomachinery companies, which integrate foil bearings into oil-free, high-speed rotating equipment requiring high reliability, low maintenance, and extreme operating-temperature capability.

United States market for Foil Bearings is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Foil Bearings is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Foil Bearings is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Foil Bearings players cover Mohawk Innovative Technology, Waukesha Bearings, Calnetix Technologies, R&D Dynamics, OAV Air Bearings, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the ?Foil Bearings Industry Forecast? looks at past sales and reviews total world Foil Bearings sales in 2025, providing a comprehensive analysis by region and market sector of projected Foil Bearings sales for 2026 through 2032. With Foil Bearings sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Foil Bearings industry.

This Insight Report provides a comprehensive analysis of the global Foil Bearings landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Foil Bearings portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Foil Bearings market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Foil Bearings and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Foil Bearings.

This report presents a comprehensive overview, market shares, and growth opportunities of Foil Bearings market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Air Foil Bearings

## Hybrid Foil Bearings

### Segmentation by Bearing Diameter:

100 mm

### Segmentation by Application:

Aerospace & Defense

Industrial Machinery

Power Generation

Oil & Gas

Automotive

HVAC Systems

Others

### This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered

from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Mohawk Innovative Technology

Waukesha Bearings

Calnetix Technologies

R&D Dynamics

OAV Air Bearings

Robert Bosch

Omega Dot

XDot Bearing Technologies

Schaeffler

SKF Group

Sun Rises Group

SCB Vacuum Tech Limited

Hebei Kingston Technology

Jiangsu B-Tohin Machine

Luoyang Huigong Bearing

LYC Bearing

Key Questions Addressed in this Report

What is the 10-year outlook for the global Foil Bearings market?

What factors are driving Foil Bearings market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Foil Bearings market opportunities vary by end market size?

How does Foil Bearings break out by Type, by Application?

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