

# Europe Electric Spindles Market Size study, by Type (Built-in Spindle, Motorized Spindle), by Application (Internal Grinding, High-speed Cutting, CNC Milling, Axis Milling, Dressing) and Country Forecasts 2022-2032

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## Abstracts

Europe Electric Spindles Market is valued at approximately USD 235.55 million in 2023 and is anticipated to grow with a healthy growth rate of more than 5.45% over the forecast period 2024-2032. The Electric Spindle, a recent innovation in CNC machinery, integrates the spindle and motor into one device. It includes parts like a spindle, a frequency converter, an oil lubricator, a cooling system, an encoder, and a tool changer. This incorporation eliminates components such as belts or gears, improving the high-speed performance. The motor in the electric spindle provides quick speed, precision, and minimal noise, enabling effective high-speed rotations without limitations from belts or gears. The Europe Electric Spindles Market is receiving recognition because of the trends supporting quicker machining, advanced technology incorporation, precise attention, and sustainability. These tendencies are pushing for the use of electric spindle technology to improve performance and efficiency. The importance of the Europe Electric Spindles Market increases as it meets market demands for speed, precision, and environmentally friendly solutions, leading to improvements in CNC machining capabilities.

The main driver of the Europe Electric Spindle Market is the move towards improvements in machining technology and the demand for increased productivity. The move towards automation and advanced manufacturing techniques is driven by electric spindle technology, which is essential for efficiency and precision. The market's persistent search for better performance and cost-effective solutions drives the widespread use of electric spindles in various manufacturing sectors, leading to a trend

towards automation. However, Electric spindles can be lubricated with grease, oil mist, or oil-air techniques. Grease and oil mist are commonly used, but they do not effectively regulate the oil supply, leading to negative impacts on spindle performance and lifespan. Mist lubrication may have negative effects on the environment, whereas oil-air lubrication is more effective at managing oil but comes with a higher cost and complexity.

The key countries considered for the Europe Electric Spindles market study include the UK, Germany, France, Italy, Spain, and the Rest of Europe. The Europe Electric Spindle market is dominated by Germany due to its strong manufacturing bases and emphasis on precision engineering. The region stands out as a key player with its advanced machinery and automation technologies. The region's focus on high-tech industries like automotive, aerospace, and electronics drives the demand for electric spindles. The European market is witnessing significant growth in countries such as Germany, where industries are investing in advanced machining solutions for improved productivity and quality. Overall, Germany is the dominating region in the global electric spindle market, driven by technological advancements and a robust industrial sector. The market in France, on the other hand, is expected to develop at the fastest rate over the forecast period.

Major market player included in this report are:

Fischer AG Präzisionsspindeln

Franz Kessler GmbH

HSD S.p.A.

Biesse Group

IBAG Group

Alfred Jäger GmbH

Giordano Colombo S.p.A

Step-Tec AG

Precise France

Suhner

The detailed segments and sub-segment of the market are explained below:

By Type

Built-in Spindle

Motorized Spindle

By Application  
Internal Grinding  
High-speed Cutting  
CNC Milling  
Axis Milling  
Dressing

By Region:  
Europe  
UK  
Germany  
France  
Spain  
Italy  
ROE

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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