

Global Vertical Spindle Cylindrical Grinding Machine Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Vertical Spindle Cylindrical Grinding Machine market size is expected to reach \$ 1056 million by 2032, rising at a market growth of 4.2% CAGR during the forecast period (2026-2032).

Vertical Spindle Cylindrical Grinding Machine utilizes a vertical spindle layout coordinated with a rotary worktable to perform high-rigidity continuous grinding of workpieces using the end face of the grinding wheel. Its core design optimizes the force distribution of the bed and column through gravity action, ensuring stability and precision during the machining process. The machine employs a vertical feed structure that facilitates workpiece loading and unloading while enabling heavy cutting, significantly improving production efficiency and adapting to various material processing requirements. By configuring a three-point adjustable column or strong electromagnetic chuck, it ensures the perpendicularity between the grinding wheel axis and the worktable surface as well as the stability of workpiece clamping, thereby meeting high-precision grinding demands. Furthermore, its compact vertical design, combined with dual or multiple grinding head configurations, allows for rough and finish grinding in a single clamping, enhancing the machine's composite processing capabilities and output efficiency. In 2025, global Vertical Spindle Cylindrical Grinding Machine production reached approximately 3845 units with an average global market price of around k US\$200 per unit.

The future development trends of Vertical Spindle Cylindrical Grinding Machine will closely revolve around intelligence and precision manufacturing. Enterprises will enhance the automation level of equipment by integrating advanced control systems to meet the stringent requirements of semiconductor and high-end industries for machining accuracy and efficiency. Driven by the national push for self-sufficiency in core

components of high-end manufacturing, enterprises will dedicate themselves to increasing the localization rate of key components such as numerical control systems and spindles. This aims to reduce dependence on imported brands, thereby lowering production costs and optimizing profit structures. Major industry trends reflect a transition towards environmental protection and energy conservation, where smart systems are utilized to optimize resource usage and achieve energy saving and emission reduction to align with policy directions. Meanwhile, the demand for high-rigidity special machine tools for new hard and brittle materials like silicon carbide is rising. By expanding technologies into high value-added fields such as military and aerospace, enterprises will further enhance their revenue capabilities and market competitiveness.

This report studies the global Vertical Spindle Cylindrical Grinding Machine production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Vertical Spindle Cylindrical Grinding Machine and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Vertical Spindle Cylindrical Grinding Machine that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Vertical Spindle Cylindrical Grinding Machine total production and demand, 2021-2032, (Units)

Global Vertical Spindle Cylindrical Grinding Machine total production value, 2021-2032, (USD Million)

Global Vertical Spindle Cylindrical Grinding Machine production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Vertical Spindle Cylindrical Grinding Machine consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Vertical Spindle Cylindrical Grinding Machine domestic production, consumption, key domestic manufacturers and share

Global Vertical Spindle Cylindrical Grinding Machine production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Vertical Spindle Cylindrical Grinding Machine production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Vertical Spindle Cylindrical Grinding Machine production by Application,

production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Vertical Spindle Cylindrical Grinding Machine market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include DANOBAT, Campbell Grinder, SHIGIYA Machinery Works, Taiyo Koki, Okamoto Machine Tool Works, EMAG, Bourn & Koch, JTEKT, ZIERSCH, Nidec Corporation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Vertical Spindle Cylindrical Grinding Machine market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Vertical Spindle Cylindrical Grinding Machine Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Vertical Spindle Cylindrical Grinding Machine Market, Segmentation by Type:

Long Shaft Cylindrical Grinder

Short Shaft Cylindrical Grinder

Global Vertical Spindle Cylindrical Grinding Machine Market, Segmentation by Grinding Capability:

External-only Cylindrical Grinder

Universal Cylindrical Grinder

Global Vertical Spindle Cylindrical Grinding Machine Market, Segmentation by Grinding Length:

?500 mm

500?1,500 mm

1,500?3,000 mm

?3,000 mm

Global Vertical Spindle Cylindrical Grinding Machine Market, Segmentation by Application:

Industrial

Automobile

Others

Companies Profiled:

DANOBAT

Campbell Grinder

SHIGIYA Machinery Works

Taiyo Koki

Okamoto Machine Tool Works

EMAG

Bourn & Koch

JTEKT

ZIERSCH

Nidec Corporation

Jainnher Machine

Palmary Machinery

Yuhuan Cnc Machine Tool

Wuxi Jiake Machinery

Key Questions Answered:

1. How big is the global Vertical Spindle Cylindrical Grinding Machine market?
2. What is the demand of the global Vertical Spindle Cylindrical Grinding Machine market?
3. What is the year over year growth of the global Vertical Spindle Cylindrical Grinding Machine market?
4. What is the production and production value of the global Vertical Spindle Cylindrical Grinding Machine market?

5. Who are the key producers in the global Vertical Spindle Cylindrical Grinding Machine market?
6. What are the growth factors driving the market demand?

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