

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

<https://marketpublishers.com/r/UA0AC314CC48EN.html>

Date: June 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: UA0AC314CC48EN

Abstracts

US Electric Spindles Market is valued at approximately USD 279.718 million in 2023 and is anticipated to grow with a healthy growth rate of more than 6.13% over the forecast period 2024-2032. The Electric Spindle is a recent innovation in CNC machinery that integrates both the spindle and motor. It consists of parts like a spindle, a converter for frequency, a lubricating system with oil, a cooling mechanism, an encoder, and a device for changing tools. This integration eliminates components for transferring power, such as belts or gears, resulting in improved high-speed performance. The Electric Spindle's Motor provides rapid speed, precision, and minimal noise, allowing for effective high-speed rotations without the limitations of belts or gears. Trends in faster machining, advanced technology integration, precision focus, and sustainability are driving attention to the US Electric Spindles Market. These patterns are behind the increasing use of electric spindle technology, improving performance and efficiency. The importance of the US Electric Spindles Market is increasing as it meets market demands for speed, precision, and environmentally friendly options, pushing forward progress in CNC machining capabilities.

The primary driver of the US Electric Spindle Market is a movement towards improvements in machining technology and the increased demand for higher productivity. A crucial factor driving change is the move towards automation and advanced manufacturing methods, with electric spindle technology being key for efficiency and precision. The growing use of electric spindles in various manufacturing industries is driven by the market's constant search for better efficiency and cost-effective options through automation. However, Electric spindles can be lubricated

through the application of grease, oil mist, or oil-air techniques. Grease and oil mist are commonly used, but they don't effectively manage the oil supply, impacting the spindle's performance and lifespan. Mist lubrication can have negative effects on the environment, whereas oil-air lubrication provides better oil control but is costly and intricate.

Major market player included in this report are:

Dynomax Inc.

HSD USA Inc.

TDM USA LLC

Westwind Air Bearings Inc.

Hiteco Inc.

GMN USA LLC

CMS North America Inc.

CNC Systems Inc.

Mori Seiki USA Inc

American Rotary Tools Company

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

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 of major regions.
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.

Contents

CHAPTER 1. US ELECTRIC SPINDLES MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
 - 1.3.1. Inclusion & Exclusion
 - 1.3.2. Limitations
 - 1.3.3. Supply Side Analysis
 - 1.3.3.1. Availability
 - 1.3.3.2. Infrastructure
 - 1.3.3.3. Regulatory Environment
 - 1.3.3.4. Market Competition
 - 1.3.3.5. Economic Viability (Consumer's Perspective)
 - 1.3.4. Demand Side Analysis
 - 1.3.4.1. Regulatory frameworks
 - 1.3.4.2. Technological Advancements
 - 1.3.4.3. Environmental Considerations
 - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. US Electric Spindles Market Size & Forecast (2022- 2032)
- 2.2. Segmental Summary
 - 2.2.1. By Type
 - 2.2.2. By Application
- 2.3. Key Trends
- 2.4. Recession Impact
- 2.5. Analyst Recommendation & Conclusion

CHAPTER 3. US ELECTRIC SPINDLES MARKET DYNAMICS

- 3.1. Market Drivers
- 3.2. Market Challenges

3.3. Market Opportunities

CHAPTER 4. US ELECTRIC SPINDLES MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top investment opportunity

4.4. Top winning strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. US ELECTRIC SPINDLES MARKET SIZE & FORECASTS BY TYPE 2022-2032

5.1. Built-in Spindle

5.2. Motorized Spindle

CHAPTER 6. US ELECTRIC SPINDLES MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

6.1. Internal Grinding

6.2. High-speed Cutting

6.3. CNC Milling

6.4. Axis Milling

6.5. Dressing

CHAPTER 7. COMPETITIVE INTELLIGENCE

7.1. Key Company SWOT Analysis

- 7.1.1. Dynamax Inc.
- 7.1.2. HSD USA Inc.
- 7.1.3. TDM USA LLC
- 7.1.4. Top Market Strategies

7.2. Company Profiles

- 7.2.1. Dynamax Inc.
 - 7.2.1.1. Key Information
 - 7.2.1.2. Overview
 - 7.2.1.3. Financial (Subject to Data Availability)
 - 7.2.1.4. Product Summary
 - 7.2.1.5. Market Strategies
- 7.2.2. HSD USA Inc.
- 7.2.3. TDM USA LLC
- 7.2.4. Westwind Air Bearings Inc.
- 7.2.5. Hiteco Inc.
- 7.2.6. GMN USA LLC
- 7.2.7. CMS North America Inc.
- 7.2.8. CNC Systems Inc.
- 7.2.9. Mori Seiki USA Inc
- 7.2.10. American Rotary Tools Company

CHAPTER 8. RESEARCH PROCESS

8.1. Research Process

- 8.1.1. Data Mining
- 8.1.2. Analysis
- 8.1.3. Market Estimation
- 8.1.4. Validation
- 8.1.5. Publishing

8.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. US Electric Spindles market, report scope

TABLE 2. US Electric Spindles market estimates & forecasts by Type 2022-2032 (USD Million)

TABLE 3. US Electric Spindles market estimates & forecasts by Application 2022-2032 (USD Million)

TABLE 4. US Electric Spindles market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 5. US Electric Spindles market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 6. US Electric Spindles market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 7. US Electric Spindles market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 8. US Electric Spindles market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 9. U.S. Electric Spindles market estimates & forecasts, 2022-2032 (USD Million)

TABLE 10. U.S. Electric Spindles market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 11. U.S. Electric Spindles market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 12. List of secondary sources, used in the study of US Electric Spindles Market.

TABLE 13. List of primary sources, used in the study of US Electric Spindles Market.

TABLE 14. Years considered for the study.

TABLE 15. Exchange rates considered.

List Of Figures

LIST OF FIGURES

- FIG 1. US Electric Spindles market, research methodology
- FIG 2. US Electric Spindles market, market estimation techniques
- FIG 3. US market size estimates & forecast methods.
- FIG 4. US Electric Spindles market, key trends 2023
- FIG 5. US Electric Spindles market, growth prospects 2022-2032
- FIG 6. US Electric Spindles market, porters 5 force model
- FIG 7. US Electric Spindles market, pestel analysis
- FIG 8. US Electric Spindles market, value chain analysis
- FIG 9. US Electric Spindles market by segment, 2022 & 2032 (USD Million)
- FIG 10. US Electric Spindles market by segment, 2022 & 2032 (USD Million)
- FIG 11. US Electric Spindles market by segment, 2022 & 2032 (USD Million)
- FIG 12. US Electric Spindles market by segment, 2022 & 2032 (USD Million)
- FIG 13. US Electric Spindles market by segment, 2022 & 2032 (USD Million)
- FIG 14. US Electric Spindles market, company market share analysis (2023)

I would like to order

Product name: US Electric Spindles Market Size study, by Type (Built-in Spindle, Motorized Spindle), by Application (Internal Grinding, High-speed Cutting, CNC Milling, Axis Milling, Dressing) Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/UA0AC314CC48EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/UA0AC314CC48EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970