

# Global Vertical Centrifugal Casting Machine Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Vertical Centrifugal Casting Machine market size is expected to reach \$ 194 million by 2032, rising at a market growth of 5.6% CAGR during the forecast period (2026-2032).

In 2025, global sales of vertical centrifugal casting machines reached 1,150 units, with an average selling price of US\$112,000. Vertical centrifugal casting machines are specialized casting equipment used for manufacturing high-precision metal parts. They utilize high-speed rotation to generate centrifugal force, causing molten metal to uniformly fill the mold, achieving precision casting. They are widely used in aerospace, automotive engine, valve, and precision mechanical parts production. Upstream raw materials mainly include casting machine structural steel, high-speed motors, electronic components for control systems, and high-temperature wear-resistant alloy molds. The midstream consists of specialized casting equipment manufacturers; downstream suppliers are mainly automotive manufacturers, aerospace component companies, and precision machining plants. Global total production capacity in 2025 was approximately 1,400 units, with an average industry gross margin of approximately 38%. With increasing demand for high-precision casting, the development of aerospace and high-end manufacturing, and the upgrading of traditional casting towards precision, automation, and intelligence, vertical centrifugal casting machines have significant demand potential and long-term business opportunities in the production of high-performance metal parts, domestic substitution, and expansion into emerging markets.

The vertical centrifugal casting machine market is in a phase of steady growth, driven by the continued rise in demand for high-precision metal parts manufacturing and the transformation of the manufacturing industry towards automation and intelligence. As the requirements for casting precision and material uniformity increase in automotive

engine parts, aerospace components, and high-end machinery equipment, vertical centrifugal casting machines, due to their high centrifugal force, high-density castings, and controllable metal flow characteristics, have become crucial production equipment for high-end manufacturing enterprises.

From a technological perspective, equipment is developing towards intelligent control, fully automated operation, high efficiency and energy saving, and the integration of wear-resistant and high-temperature-resistant materials. Intelligent control systems and online monitoring functions are gradually becoming key areas of competition. Meanwhile, international brands still hold an advantage in high-end models and precision control, while domestic manufacturers are rapidly expanding their market share through cost advantages, after-sales service, and flexible solutions adapted to the mid-to-low-end market, especially in emerging markets such as China, India, and Southeast Asia, where the potential for domestic substitution is significant.

Downstream market structure shows that automotive parts casting remains the primary source of demand, while the proportion from aerospace and precision machinery manufacturing is gradually increasing, driving continued investment in high-precision, low-defect casting equipment. Overall, with the upgrading of high-end manufacturing, the expansion of intelligent production lines, and the acceleration of the localization trend, the vertical centrifugal casting machine market will maintain stable growth and release long-term business opportunities through technological upgrades and the expansion of emerging markets.

This report studies the global Vertical Centrifugal Casting Machine production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Vertical Centrifugal Casting 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 Centrifugal Casting Machine that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Vertical Centrifugal Casting Machine total production and demand, 2021-2032, (Units)

Global Vertical Centrifugal Casting Machine total production value, 2021-2032, (USD Million)

Global Vertical Centrifugal Casting Machine production by region & country, production,

value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)  
Global Vertical Centrifugal Casting Machine consumption by region & country, CAGR, 2021-2032 & (Units)  
U.S. VS China: Vertical Centrifugal Casting Machine domestic production, consumption, key domestic manufacturers and share  
Global Vertical Centrifugal Casting Machine production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)  
Global Vertical Centrifugal Casting Machine production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)  
Global Vertical Centrifugal Casting Machine production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Vertical Centrifugal Casting 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 Centrifugal Casting Machine Co., Gibson Centri Tech Limited, WELTOP MACHINERY, NPO Center, Hongtayu Co., Ltd, Foshan Davinci Technology Co.,Ltd., Avi Oilless, Pearl Spine Tech, Federal Pipe Centrifugal Casting Machine Co.. Ltd., GreenVinci, 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 Centrifugal Casting Machine market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (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 Centrifugal Casting Machine Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Vertical Centrifugal Casting Machine Market, Segmentation by Type:

Friction Wheel Drive

Belt Drive

Direct Gear Drive

#### Global Vertical Centrifugal Casting Machine Market, Segmentation by Casting Type:

Metal Mold

Sand Mold

Composite Mold

#### Global Vertical Centrifugal Casting Machine Market, Segmentation by Automation Level:

Manual

Automatic

## Global Vertical Centrifugal Casting Machine Market, Segmentation by Application:

Mechanical Manufacturing

Energy Equipment

Automobile Industry

Others

## Companies Profiled:

Centrifugal Casting Machine Co.

Gibson Centri Tech Limited

WELTOP MACHINERY

NPO Center

Hongtayu Co., Ltd

Foshan Davinci Technology Co.,Ltd.

Avi Oilless

Pearl Spine Tech

Federal Pipe Centrifugal Casting Machine Co.. Ltd.

GreenVinci

HUARONG

## Key Questions Answered:

1. How big is the global Vertical Centrifugal Casting Machine market?
2. What is the demand of the global Vertical Centrifugal Casting Machine market?

3. What is the year over year growth of the global Vertical Centrifugal Casting Machine market?
4. What is the production and production value of the global Vertical Centrifugal Casting Machine market?
5. Who are the key producers in the global Vertical Centrifugal Casting Machine market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Buck-Boost Switching Regulator Introduction
- 1.2 World Buck-Boost Switching Regulator Supply & Forecast
  - 1.2.1 World Buck-Boost Switching Regulator Production Value (2021 & 2025 & 2032)
  - 1.2.2 World Buck-Boost Switching Regulator Production (2021-2032)
  - 1.2.3 World Buck-Boost Switching Regulator Pricing Trends (2021-2032)
- 1.3 World Buck-Boost Switching Regulator Production by Region (Based on Production Site)
  - 1.3.1 World Buck-Boost Switching Regulator Production Value by Region (2021-2032)
  - 1.3.2 World Buck-Boost Switching Regulator Production by Region (2021-2032)
  - 1.3.3 World Buck-Boost Switching Regulator Average Price by Region (2021-2032)
  - 1.3.4 North America Buck-Boost Switching Regulator Production (2021-2032)
  - 1.3.5 Europe Buck-Boost Switching Regulator Production (2021-2032)
  - 1.3.6 China Buck-Boost Switching Regulator Production (2021-2032)
  - 1.3.7 Japan Buck-Boost Switching Regulator Production (2021-2032)
  - 1.3.8 South Korea Buck-Boost Switching Regulator Production (2021-2032)
  - 1.3.9 Southeast Asia Buck-Boost Switching Regulator Production (2021-2032)
  - 1.3.10 China Taiwan Buck-Boost Switching Regulator Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Buck-Boost Switching Regulator Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Buck-Boost Switching Regulator Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World Buck-Boost Switching Regulator Demand (2021-2032)
- 2.2 World Buck-Boost Switching Regulator Consumption by Region
  - 2.2.1 World Buck-Boost Switching Regulator Consumption by Region (2021-2026)
  - 2.2.2 World Buck-Boost Switching Regulator Consumption Forecast by Region (2027-2032)
- 2.3 United States Buck-Boost Switching Regulator Consumption (2021-2032)
- 2.4 China Buck-Boost Switching Regulator Consumption (2021-2032)
- 2.5 Europe Buck-Boost Switching Regulator Consumption (2021-2032)
- 2.6 Japan Buck-Boost Switching Regulator Consumption (2021-2032)
- 2.7 South Korea Buck-Boost Switching Regulator Consumption (2021-2032)
- 2.8 ASEAN Buck-Boost Switching Regulator Consumption (2021-2032)

## 2.9 India Buck-Boost Switching Regulator Consumption (2021-2032)

### **3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS**

#### 3.1 World Buck-Boost Switching Regulator Production Value by Manufacturer (2021-2026)

#### 3.2 World Buck-Boost Switching Regulator Production by Manufacturer (2021-2026)

#### 3.3 World Buck-Boost Switching Regulator Average Price by Manufacturer (2021-2026)

#### 3.4 Buck-Boost Switching Regulator Company Evaluation Quadrant

#### 3.5 Industry Rank and Concentration Rate (CR)

##### 3.5.1 Global Buck-Boost Switching Regulator Industry Rank of Major Manufacturers

##### 3.5.2 Global Concentration Ratios (CR4) for Buck-Boost Switching Regulator in 2025

##### 3.5.3 Global Concentration Ratios (CR8) for Buck-Boost Switching Regulator in 2025

#### 3.6 Buck-Boost Switching Regulator Market: Overall Company Footprint Analysis

##### 3.6.1 Buck-Boost Switching Regulator Market: Region Footprint

##### 3.6.2 Buck-Boost Switching Regulator Market: Company Product Type Footprint

##### 3.6.3 Buck-Boost Switching Regulator Market: Company Product Application Footprint

#### 3.7 Competitive Environment

##### 3.7.1 Historical Structure of the Industry

##### 3.7.2 Barriers of Market Entry

##### 3.7.3 Factors of Competition

#### 3.8 New Entrant and Capacity Expansion Plans

#### 3.9 Mergers, Acquisition, Agreements, and Collaborations

### **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

#### 4.1 United States VS China: Buck-Boost Switching Regulator Production Value Comparison

##### 4.1.1 United States VS China: Buck-Boost Switching Regulator Production Value Comparison (2021 & 2025 & 2032)

##### 4.1.2 United States VS China: Buck-Boost Switching Regulator Production Value Market Share Comparison (2021 & 2025 & 2032)

#### 4.2 United States VS China: Buck-Boost Switching Regulator Production Comparison

##### 4.2.1 United States VS China: Buck-Boost Switching Regulator Production Comparison (2021 & 2025 & 2032)

##### 4.2.2 United States VS China: Buck-Boost Switching Regulator Production Market Share Comparison (2021 & 2025 & 2032)

#### 4.3 United States VS China: Buck-Boost Switching Regulator Consumption Comparison

##### 4.3.1 United States VS China: Buck-Boost Switching Regulator Consumption

Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Buck-Boost Switching Regulator Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Buck-Boost Switching Regulator Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Buck-Boost Switching Regulator Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Buck-Boost Switching Regulator Production Value (2021-2026)

4.4.3 United States Based Manufacturers Buck-Boost Switching Regulator Production (2021-2026)

4.5 China Based Buck-Boost Switching Regulator Manufacturers and Market Share

4.5.1 China Based Buck-Boost Switching Regulator Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Buck-Boost Switching Regulator Production Value (2021-2026)

4.5.3 China Based Manufacturers Buck-Boost Switching Regulator Production (2021-2026)

4.6 Rest of World Based Buck-Boost Switching Regulator Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Buck-Boost Switching Regulator Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Buck-Boost Switching Regulator Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Buck-Boost Switching Regulator Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Buck-Boost Switching Regulator Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Input Voltage Range: 3V-30V

5.2.2 Input Voltage Range: 30V-40V

5.2.3 Others

5.3 Market Segment by Type

5.3.1 World Buck-Boost Switching Regulator Production by Type (2021-2032)

5.3.2 World Buck-Boost Switching Regulator Production Value by Type (2021-2032)

5.3.3 World Buck-Boost Switching Regulator Average Price by Type (2021-2032)

## **6 MARKET ANALYSIS BY CIRCUIT TOPOLOGY**

6.1 World Buck-Boost Switching Regulator Market Size Overview by Circuit Topology: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Circuit Topology

6.2.1 Sepic Topology

6.2.2 Cuk Topology

6.3 Market Segment by Circuit Topology

6.3.1 World Buck-Boost Switching Regulator Production by Circuit Topology (2021-2032)

6.3.2 World Buck-Boost Switching Regulator Production Value by Circuit Topology (2021-2032)

6.3.3 World Buck-Boost Switching Regulator Average Price by Circuit Topology (2021-2032)

## **7 MARKET ANALYSIS BY INTEGRATION**

7.1 World Buck-Boost Switching Regulator Market Size Overview by Integration: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Integration

7.2.1 Single-chip Fully Integrated

7.2.2 External Controller Switch Type

7.3 Market Segment by Integration

7.3.1 World Buck-Boost Switching Regulator Production by Integration (2021-2032)

7.3.2 World Buck-Boost Switching Regulator Production Value by Integration (2021-2032)

7.3.3 World Buck-Boost Switching Regulator Average Price by Integration (2021-2032)

## **8 MARKET ANALYSIS BY APPLICATION**

8.1 World Buck-Boost Switching Regulator Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Consumer Electronics

8.2.2 Automotive Electronics

8.2.3 Industrial

8.2.4 Others

8.3 Market Segment by Application

- 8.3.1 World Buck-Boost Switching Regulator Production by Application (2021-2032)
- 8.3.2 World Buck-Boost Switching Regulator Production Value by Application (2021-2032)
- 8.3.3 World Buck-Boost Switching Regulator Average Price by Application (2021-2032)

## **9 COMPANY PROFILES**

### **9.1 Infineon**

- 9.1.1 Infineon Details
- 9.1.2 Infineon Major Business
- 9.1.3 Infineon Buck-Boost Switching Regulator Product and Services
- 9.1.4 Infineon Buck-Boost Switching Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.1.5 Infineon Recent Developments/Updates
- 9.1.6 Infineon Competitive Strengths & Weaknesses

### **9.2 TI**

- 9.2.1 TI Details
- 9.2.2 TI Major Business
- 9.2.3 TI Buck-Boost Switching Regulator Product and Services
- 9.2.4 TI Buck-Boost Switching Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.2.5 TI Recent Developments/Updates
- 9.2.6 TI Competitive Strengths & Weaknesses

### **9.3 Analog Devices**

- 9.3.1 Analog Devices Details
- 9.3.2 Analog Devices Major Business
- 9.3.3 Analog Devices Buck-Boost Switching Regulator Product and Services
- 9.3.4 Analog Devices Buck-Boost Switching Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.3.5 Analog Devices Recent Developments/Updates
- 9.3.6 Analog Devices Competitive Strengths & Weaknesses

### **9.4 Renesas Electronics**

- 9.4.1 Renesas Electronics Details
- 9.4.2 Renesas Electronics Major Business
- 9.4.3 Renesas Electronics Buck-Boost Switching Regulator Product and Services
- 9.4.4 Renesas Electronics Buck-Boost Switching Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.4.5 Renesas Electronics Recent Developments/Updates

- 9.4.6 Renesas Electronics Competitive Strengths & Weaknesses
- 9.5 STMicroelectronics
  - 9.5.1 STMicroelectronics Details
  - 9.5.2 STMicroelectronics Major Business
  - 9.5.3 STMicroelectronics Buck-Boost Switching Regulator Product and Services
  - 9.5.4 STMicroelectronics Buck-Boost Switching Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.5.5 STMicroelectronics Recent Developments/Updates
  - 9.5.6 STMicroelectronics Competitive Strengths & Weaknesses
- 9.6 Nisshinbo Micro Devices
  - 9.6.1 Nisshinbo Micro Devices Details
  - 9.6.2 Nisshinbo Micro Devices Major Business
  - 9.6.3 Nisshinbo Micro Devices Buck-Boost Switching Regulator Product and Services
  - 9.6.4 Nisshinbo Micro Devices Buck-Boost Switching Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.6.5 Nisshinbo Micro Devices Recent Developments/Updates
  - 9.6.6 Nisshinbo Micro Devices Competitive Strengths & Weaknesses
- 9.7 Microchip Technology
  - 9.7.1 Microchip Technology Details
  - 9.7.2 Microchip Technology Major Business
  - 9.7.3 Microchip Technology Buck-Boost Switching Regulator Product and Services
  - 9.7.4 Microchip Technology Buck-Boost Switching Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.7.5 Microchip Technology Recent Developments/Updates
  - 9.7.6 Microchip Technology Competitive Strengths & Weaknesses
- 9.8 ROHM Semiconductor
  - 9.8.1 ROHM Semiconductor Details
  - 9.8.2 ROHM Semiconductor Major Business
  - 9.8.3 ROHM Semiconductor Buck-Boost Switching Regulator Product and Services
  - 9.8.4 ROHM Semiconductor Buck-Boost Switching Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.8.5 ROHM Semiconductor Recent Developments/Updates
  - 9.8.6 ROHM Semiconductor Competitive Strengths & Weaknesses
- 9.9 Onsemi
  - 9.9.1 Onsemi Details
  - 9.9.2 Onsemi Major Business
  - 9.9.3 Onsemi Buck-Boost Switching Regulator Product and Services
  - 9.9.4 Onsemi Buck-Boost Switching Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.9.5 Onsemi Recent Developments/Updates
- 9.9.6 Onsemi Competitive Strengths & Weaknesses
- 9.10 Diodes Incorporated
  - 9.10.1 Diodes Incorporated Details
  - 9.10.2 Diodes Incorporated Major Business
  - 9.10.3 Diodes Incorporated Buck-Boost Switching Regulator Product and Services
  - 9.10.4 Diodes Incorporated Buck-Boost Switching Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.10.5 Diodes Incorporated Recent Developments/Updates
  - 9.10.6 Diodes Incorporated Competitive Strengths & Weaknesses
- 9.11 NXP
  - 9.11.1 NXP Details
  - 9.11.2 NXP Major Business
  - 9.11.3 NXP Buck-Boost Switching Regulator Product and Services
  - 9.11.4 NXP Buck-Boost Switching Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.11.5 NXP Recent Developments/Updates
  - 9.11.6 NXP Competitive Strengths & Weaknesses
- 9.12 RECOM
  - 9.12.1 RECOM Details
  - 9.12.2 RECOM Major Business
  - 9.12.3 RECOM Buck-Boost Switching Regulator Product and Services
  - 9.12.4 RECOM Buck-Boost Switching Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.12.5 RECOM Recent Developments/Updates
  - 9.12.6 RECOM Competitive Strengths & Weaknesses
- 9.13 Semtech Corporation
  - 9.13.1 Semtech Corporation Details
  - 9.13.2 Semtech Corporation Major Business
  - 9.13.3 Semtech Corporation Buck-Boost Switching Regulator Product and Services
  - 9.13.4 Semtech Corporation Buck-Boost Switching Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.13.5 Semtech Corporation Recent Developments/Updates
  - 9.13.6 Semtech Corporation Competitive Strengths & Weaknesses
- 9.14 OMNIVISION
  - 9.14.1 OMNIVISION Details
  - 9.14.2 OMNIVISION Major Business
  - 9.14.3 OMNIVISION Buck-Boost Switching Regulator Product and Services
  - 9.14.4 OMNIVISION Buck-Boost Switching Regulator Production, Price, Value, Gross

## Margin and Market Share (2021-2026)

9.14.5 OMNIVISION Recent Developments/Updates

9.14.6 OMNIVISION Competitive Strengths & Weaknesses

## 9.15 Vicor Corporation

9.15.1 Vicor Corporation Details

9.15.2 Vicor Corporation Major Business

9.15.3 Vicor Corporation Buck-Boost Switching Regulator Product and Services

## 9.15.4 Vicor Corporation Buck-Boost Switching Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.15.5 Vicor Corporation Recent Developments/Updates

9.15.6 Vicor Corporation Competitive Strengths & Weaknesses

## **10 INDUSTRY CHAIN ANALYSIS**

### 10.1 Buck-Boost Switching Regulator Industry Chain

### 10.2 Buck-Boost Switching Regulator Upstream Analysis

10.2.1 Buck-Boost Switching Regulator Core Raw Materials

10.2.2 Main Manufacturers of Buck-Boost Switching Regulator Core Raw Materials

### 10.3 Midstream Analysis

### 10.4 Downstream Analysis

### 10.5 Buck-Boost Switching Regulator Production Mode

### 10.6 Buck-Boost Switching Regulator Procurement Model

### 10.7 Buck-Boost Switching Regulator Industry Sales Model and Sales Channels

10.7.1 Buck-Boost Switching Regulator Sales Model

10.7.2 Buck-Boost Switching Regulator Typical Distributors

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

### 12.1 Methodology

### 12.2 Research Process and Data Source

### 12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Vertical Centrifugal Casting Machine Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Vertical Centrifugal Casting Machine Production Value by Region (2021-2026) & (USD Million)

Table 3. World Vertical Centrifugal Casting Machine Production Value by Region (2027-2032) & (USD Million)

Table 4. World Vertical Centrifugal Casting Machine Production Value Market Share by Region (2021-2026)

Table 5. World Vertical Centrifugal Casting Machine Production Value Market Share by Region (2027-2032)

Table 6. World Vertical Centrifugal Casting Machine Production by Region (2021-2026) & (Units)

Table 7. World Vertical Centrifugal Casting Machine Production by Region (2027-2032) & (Units)

Table 8. World Vertical Centrifugal Casting Machine Production Market Share by Region (2021-2026)

Table 9. World Vertical Centrifugal Casting Machine Production Market Share by Region (2027-2032)

Table 10. World Vertical Centrifugal Casting Machine Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Vertical Centrifugal Casting Machine Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Vertical Centrifugal Casting Machine Major Market Trends

Table 13. World Vertical Centrifugal Casting Machine Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Units)

Table 14. World Vertical Centrifugal Casting Machine Consumption by Region (2021-2026) & (Units)

Table 15. World Vertical Centrifugal Casting Machine Consumption Forecast by Region (2027-2032) & (Units)

Table 16. World Vertical Centrifugal Casting Machine Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Vertical Centrifugal Casting Machine Producers in 2025

Table 18. World Vertical Centrifugal Casting Machine Production by Manufacturer (2021-2026) & (Units)

Table 19. Production Market Share of Key Vertical Centrifugal Casting Machine Producers in 2025

Table 20. World Vertical Centrifugal Casting Machine Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Vertical Centrifugal Casting Machine Company Evaluation Quadrant

Table 22. World Vertical Centrifugal Casting Machine Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Vertical Centrifugal Casting Machine Production Site of Key Manufacturer

Table 24. Vertical Centrifugal Casting Machine Market: Company Product Type Footprint

Table 25. Vertical Centrifugal Casting Machine Market: Company Product Application Footprint

Table 26. Vertical Centrifugal Casting Machine Competitive Factors

Table 27. Vertical Centrifugal Casting Machine New Entrant and Capacity Expansion Plans

Table 28. Vertical Centrifugal Casting Machine Mergers & Acquisitions Activity

Table 29. United States VS China Vertical Centrifugal Casting Machine Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Vertical Centrifugal Casting Machine Production Comparison, (2021 & 2025 & 2032) & (Units)

Table 31. United States VS China Vertical Centrifugal Casting Machine Consumption Comparison, (2021 & 2025 & 2032) & (Units)

Table 32. United States Based Vertical Centrifugal Casting Machine Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Vertical Centrifugal Casting Machine Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Vertical Centrifugal Casting Machine Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Vertical Centrifugal Casting Machine Production (2021-2026) & (Units)

Table 36. United States Based Manufacturers Vertical Centrifugal Casting Machine Production Market Share (2021-2026)

Table 37. China Based Vertical Centrifugal Casting Machine Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Vertical Centrifugal Casting Machine Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Vertical Centrifugal Casting Machine Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Vertical Centrifugal Casting Machine Production, (2021-2026) & (Units)

Table 41. China Based Manufacturers Vertical Centrifugal Casting Machine Production Market Share (2021-2026)

Table 42. Rest of World Based Vertical Centrifugal Casting Machine Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Vertical Centrifugal Casting Machine Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Vertical Centrifugal Casting Machine Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Vertical Centrifugal Casting Machine Production, (2021-2026) & (Units)

Table 46. Rest of World Based Manufacturers Vertical Centrifugal Casting Machine Production Market Share (2021-2026)

Table 47. World Vertical Centrifugal Casting Machine Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Vertical Centrifugal Casting Machine Production by Type (2021-2026) & (Units)

Table 49. World Vertical Centrifugal Casting Machine Production by Type (2027-2032) & (Units)

Table 50. World Vertical Centrifugal Casting Machine Production Value by Type (2021-2026) & (USD Million)

Table 51. World Vertical Centrifugal Casting Machine Production Value by Type (2027-2032) & (USD Million)

Table 52. World Vertical Centrifugal Casting Machine Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Vertical Centrifugal Casting Machine Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Vertical Centrifugal Casting Machine Production Value by Casting Type, (USD Million), 2021 & 2025 & 2032

Table 55. World Vertical Centrifugal Casting Machine Production by Casting Type (2021-2026) & (Units)

Table 56. World Vertical Centrifugal Casting Machine Production by Casting Type (2027-2032) & (Units)

Table 57. World Vertical Centrifugal Casting Machine Production Value by Casting Type (2021-2026) & (USD Million)

Table 58. World Vertical Centrifugal Casting Machine Production Value by Casting Type (2027-2032) & (USD Million)

Table 59. World Vertical Centrifugal Casting Machine Average Price by Casting Type

(2021-2026) & (US\$/Unit)

Table 60. World Vertical Centrifugal Casting Machine Average Price by Casting Type (2027-2032) & (US\$/Unit)

Table 61. World Vertical Centrifugal Casting Machine Production Value by Automation Level, (USD Million), 2021 & 2025 & 2032

Table 62. World Vertical Centrifugal Casting Machine Production by Automation Level (2021-2026) & (Units)

Table 63. World Vertical Centrifugal Casting Machine Production by Automation Level (2027-2032) & (Units)

Table 64. World Vertical Centrifugal Casting Machine Production Value by Automation Level (2021-2026) & (USD Million)

Table 65. World Vertical Centrifugal Casting Machine Production Value by Automation Level (2027-2032) & (USD Million)

Table 66. World Vertical Centrifugal Casting Machine Average Price by Automation Level (2021-2026) & (US\$/Unit)

Table 67. World Vertical Centrifugal Casting Machine Average Price by Automation Level (2027-2032) & (US\$/Unit)

Table 68. World Vertical Centrifugal Casting Machine Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Vertical Centrifugal Casting Machine Production by Application (2021-2026) & (Units)

Table 70. World Vertical Centrifugal Casting Machine Production by Application (2027-2032) & (Units)

Table 71. World Vertical Centrifugal Casting Machine Production Value by Application (2021-2026) & (USD Million)

Table 72. World Vertical Centrifugal Casting Machine Production Value by Application (2027-2032) & (USD Million)

Table 73. World Vertical Centrifugal Casting Machine Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Vertical Centrifugal Casting Machine Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. Centrifugal Casting Machine Co. Basic Information, Manufacturing Base and Competitors

Table 76. Centrifugal Casting Machine Co. Major Business

Table 77. Centrifugal Casting Machine Co. Vertical Centrifugal Casting Machine Product and Services

Table 78. Centrifugal Casting Machine Co. Vertical Centrifugal Casting Machine Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

- Table 79. Centrifugal Casting Machine Co. Recent Developments/Updates
- Table 80. Centrifugal Casting Machine Co. Competitive Strengths & Weaknesses
- Table 81. Gibson Centri Tech Limited Basic Information, Manufacturing Base and Competitors
- Table 82. Gibson Centri Tech Limited Major Business
- Table 83. Gibson Centri Tech Limited Vertical Centrifugal Casting Machine Product and Services
- Table 84. Gibson Centri Tech Limited Vertical Centrifugal Casting Machine Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 85. Gibson Centri Tech Limited Recent Developments/Updates
- Table 86. Gibson Centri Tech Limited Competitive Strengths & Weaknesses
- Table 87. WELTOP MACHINERY Basic Information, Manufacturing Base and Competitors
- Table 88. WELTOP MACHINERY Major Business
- Table 89. WELTOP MACHINERY Vertical Centrifugal Casting Machine Product and Services
- Table 90. WELTOP MACHINERY Vertical Centrifugal Casting Machine Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. WELTOP MACHINERY Recent Developments/Updates
- Table 92. WELTOP MACHINERY Competitive Strengths & Weaknesses
- Table 93. NPO Center Basic Information, Manufacturing Base and Competitors
- Table 94. NPO Center Major Business
- Table 95. NPO Center Vertical Centrifugal Casting Machine Product and Services
- Table 96. NPO Center Vertical Centrifugal Casting Machine Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. NPO Center Recent Developments/Updates
- Table 98. NPO Center Competitive Strengths & Weaknesses
- Table 99. Hongtayu Co., Ltd Basic Information, Manufacturing Base and Competitors
- Table 100. Hongtayu Co., Ltd Major Business
- Table 101. Hongtayu Co., Ltd Vertical Centrifugal Casting Machine Product and Services
- Table 102. Hongtayu Co., Ltd Vertical Centrifugal Casting Machine Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. Hongtayu Co., Ltd Recent Developments/Updates
- Table 104. Hongtayu Co., Ltd Competitive Strengths & Weaknesses

Table 105. Foshan Davinci Technology Co.,Ltd. Basic Information, Manufacturing Base and Competitors

Table 106. Foshan Davinci Technology Co.,Ltd. Major Business

Table 107. Foshan Davinci Technology Co.,Ltd. Vertical Centrifugal Casting Machine Product and Services

Table 108. Foshan Davinci Technology Co.,Ltd. Vertical Centrifugal Casting Machine Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Foshan Davinci Technology Co.,Ltd. Recent Developments/Updates

Table 110. Foshan Davinci Technology Co.,Ltd. Competitive Strengths & Weaknesses

Table 111. Avi Oilless Basic Information, Manufacturing Base and Competitors

Table 112. Avi Oilless Major Business

Table 113. Avi Oilless Vertical Centrifugal Casting Machine Product and Services

Table 114. Avi Oilless Vertical Centrifugal Casting Machine Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Avi Oilless Recent Developments/Updates

Table 116. Avi Oilless Competitive Strengths & Weaknesses

Table 117. Pearl Spine Tech Basic Information, Manufacturing Base and Competitors

Table 118. Pearl Spine Tech Major Business

Table 119. Pearl Spine Tech Vertical Centrifugal Casting Machine Product and Services

Table 120. Pearl Spine Tech Vertical Centrifugal Casting Machine Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Pearl Spine Tech Recent Developments/Updates

Table 122. Pearl Spine Tech Competitive Strengths & Weaknesses

Table 123. Federal Pipe Centrifugal Casting Machine Co.. Ltd. Basic Information, Manufacturing Base and Competitors

Table 124. Federal Pipe Centrifugal Casting Machine Co.. Ltd. Major Business

Table 125. Federal Pipe Centrifugal Casting Machine Co.. Ltd. Vertical Centrifugal Casting Machine Product and Services

Table 126. Federal Pipe Centrifugal Casting Machine Co.. Ltd. Vertical Centrifugal Casting Machine Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Federal Pipe Centrifugal Casting Machine Co.. Ltd. Recent Developments/Updates

Table 128. Federal Pipe Centrifugal Casting Machine Co.. Ltd. Competitive Strengths & Weaknesses

Table 129. GreenVinci Basic Information, Manufacturing Base and Competitors

Table 130. GreenVinci Major Business

Table 131. GreenVinci Vertical Centrifugal Casting Machine Product and Services

Table 132. GreenVinci Vertical Centrifugal Casting Machine Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. GreenVinci Recent Developments/Updates

Table 134. GreenVinci Competitive Strengths & Weaknesses

Table 135. HUARONG Basic Information, Manufacturing Base and Competitors

Table 136. HUARONG Major Business

Table 137. HUARONG Vertical Centrifugal Casting Machine Product and Services

Table 138. HUARONG Vertical Centrifugal Casting Machine Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. HUARONG Recent Developments/Updates

Table 140. HUARONG Competitive Strengths & Weaknesses

Table 141. Global Key Players of Vertical Centrifugal Casting Machine Upstream (Raw Materials)

Table 142. Global Vertical Centrifugal Casting Machine Typical Customers

Table 143. Vertical Centrifugal Casting Machine Typical Distributors

## List Of Figures

### LIST OF FIGURES

- Figure 1. Vertical Centrifugal Casting Machine Picture
- Figure 2. World Vertical Centrifugal Casting Machine Production Value: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World Vertical Centrifugal Casting Machine Production Value and Forecast (2021-2032) & (USD Million)
- Figure 4. World Vertical Centrifugal Casting Machine Production (2021-2032) & (Units)
- Figure 5. World Vertical Centrifugal Casting Machine Average Price (2021-2032) & (US\$/Unit)
- Figure 6. World Vertical Centrifugal Casting Machine Production Value Market Share by Region (2021-2032)
- Figure 7. World Vertical Centrifugal Casting Machine Production Market Share by Region (2021-2032)
- Figure 8. North America Vertical Centrifugal Casting Machine Production (2021-2032) & (Units)
- Figure 9. Europe Vertical Centrifugal Casting Machine Production (2021-2032) & (Units)
- Figure 10. China Vertical Centrifugal Casting Machine Production (2021-2032) & (Units)
- Figure 11. Japan Vertical Centrifugal Casting Machine Production (2021-2032) & (Units)
- Figure 12. Vertical Centrifugal Casting Machine Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World Vertical Centrifugal Casting Machine Consumption (2021-2032) & (Units)
- Figure 15. World Vertical Centrifugal Casting Machine Consumption Market Share by Region (2021-2032)
- Figure 16. United States Vertical Centrifugal Casting Machine Consumption (2021-2032) & (Units)
- Figure 17. China Vertical Centrifugal Casting Machine Consumption (2021-2032) & (Units)
- Figure 18. Europe Vertical Centrifugal Casting Machine Consumption (2021-2032) & (Units)
- Figure 19. Japan Vertical Centrifugal Casting Machine Consumption (2021-2032) & (Units)
- Figure 20. South Korea Vertical Centrifugal Casting Machine Consumption (2021-2032) & (Units)
- Figure 21. ASEAN Vertical Centrifugal Casting Machine Consumption (2021-2032) & (Units)

Figure 22. India Vertical Centrifugal Casting Machine Consumption (2021-2032) & (Units)

Figure 23. Producer Shipments of Vertical Centrifugal Casting Machine by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Vertical Centrifugal Casting Machine Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Vertical Centrifugal Casting Machine Markets in 2025

Figure 26. United States VS China: Vertical Centrifugal Casting Machine Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Vertical Centrifugal Casting Machine Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Vertical Centrifugal Casting Machine Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Vertical Centrifugal Casting Machine Production Market Share 2025

Figure 30. China Based Manufacturers Vertical Centrifugal Casting Machine Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Vertical Centrifugal Casting Machine Production Market Share 2025

Figure 32. World Vertical Centrifugal Casting Machine Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Vertical Centrifugal Casting Machine Production Value Market Share by Type in 2025

Figure 34. Friction Wheel Drive

Figure 35. Belt Drive

Figure 36. Direct Gear Drive

Figure 37. World Vertical Centrifugal Casting Machine Production Market Share by Type (2021-2032)

Figure 38. World Vertical Centrifugal Casting Machine Production Value Market Share by Type (2021-2032)

Figure 39. World Vertical Centrifugal Casting Machine Average Price by Type (2021-2032) & (US\$/Unit)

Figure 40. World Vertical Centrifugal Casting Machine Production Value by Casting Type, (USD Million), 2021 & 2025 & 2032

Figure 41. World Vertical Centrifugal Casting Machine Production Value Market Share by Casting Type in 2025

Figure 42. Metal Mold

Figure 43. Sand Mold

Figure 44. Composite Mold

Figure 45. World Vertical Centrifugal Casting Machine Production Market Share by Casting Type (2021-2032)

Figure 46. World Vertical Centrifugal Casting Machine Production Value Market Share by Casting Type (2021-2032)

Figure 47. World Vertical Centrifugal Casting Machine Average Price by Casting Type (2021-2032) & (US\$/Unit)

Figure 48. World Vertical Centrifugal Casting Machine Production Value by Automation Level, (USD Million), 2021 & 2025 & 2032

Figure 49. World Vertical Centrifugal Casting Machine Production Value Market Share by Automation Level in 2025

Figure 50. Manual

Figure 51. Automatic

Figure 52. World Vertical Centrifugal Casting Machine Production Market Share by Automation Level (2021-2032)

Figure 53. World Vertical Centrifugal Casting Machine Production Value Market Share by Automation Level (2021-2032)

Figure 54. World Vertical Centrifugal Casting Machine Average Price by Automation Level (2021-2032) & (US\$/Unit)

Figure 55. World Vertical Centrifugal Casting Machine Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 56. World Vertical Centrifugal Casting Machine Production Value Market Share by Application in 2025

Figure 57. Mechanical Manufacturing

Figure 58. Energy Equipment

Figure 59. Automobile Industry

Figure 60. Others

Figure 61. World Vertical Centrifugal Casting Machine Production Market Share by Application (2021-2032)

Figure 62. World Vertical Centrifugal Casting Machine Production Value Market Share by Application (2021-2032)

Figure 63. World Vertical Centrifugal Casting Machine Average Price by Application (2021-2032) & (US\$/Unit)

Figure 64. Vertical Centrifugal Casting Machine Industry Chain

Figure 65. Vertical Centrifugal Casting Machine Procurement Model

Figure 66. Vertical Centrifugal Casting Machine Sales Model

Figure 67. Vertical Centrifugal Casting Machine Sales Channels, Direct Sales, and Distribution

Figure 68. Methodology

Figure 69. Research Process and Data Source

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