

# Wind Turbine Casting Market to Surge with 6.6% CAGR, Global Revenue to Exceed US\$ 4597.45 Million by 2034

The worldwide move towards green energy and sustainability is a prominent factor driving the wind turbine casting market.

NEW YORK CITY, NY, UNITED STATES, February 11, 2025 /EINPresswire.com/

-- The wind turbine casting market is projected to reach a global revenue of US\$ 4597.45 million by 2034, growing at a CAGR of 6.6% from 2025 to 2034. The market is driven by the increasing demand for renewable energy and the need for sustainable power generation. The wind turbine casting market is a key component of the renewable energy sector, and its growth is expected to be significant in the coming years. The market is characterized by a high level of competition and a focus on innovation and efficiency. The increasing demand for renewable energy is driving the growth of the wind turbine casting market, and this trend is expected to continue in the future. The market is also being driven by the need for sustainable power generation, which is leading to a shift in the energy industry towards renewable sources. The wind turbine casting market is a key player in this industry, and its growth is expected to be a major factor in the overall growth of the renewable energy sector.



Wind Turbine Casting Market

Renewable energy is becoming a massive bargain in the energy production industry?

Renewable energy is becoming a massive bargain in the energy production industry. With abundant options to generate greener energy, it is a reality that several energy firms are capitalizing on the power of machines such as wind turbines and solar power. Thus, the demand for elevated standard wind turbine casting is escalating.

For more information, visit our website:

[https://www.polarismarketresearch.com/industry-analysis/wind-turbine-casting-market/request-for-sample?utm\\_source=EIN&utm\\_medium=EIN&utm\\_campaign=EIN&utm\\_id=01](https://www.polarismarketresearch.com/industry-analysis/wind-turbine-casting-market/request-for-sample?utm_source=EIN&utm_medium=EIN&utm_campaign=EIN&utm_id=01)

Inside the prominent body of the turbine, there is an entire host of several constituents that are crucial for the operation of the turbine, such as the generator, gearbox, various shafts, brakes, and controller, all of which are impacted by the rotation of the blades. The growing funding for wind energy projects, together with depreciating wind energy costs, have rendered power



To confirm stringent ecological directives by governments, there is a surging funding in the wind power framework.”

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growingly aggressive, with conventional energy sources impacting the wind turbine casting market growth favorably.

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The aggressive topography of the market is portrayed by an assortment of global leaders and regional contenders contesting for market share through invention, strategic alliances, and regional augmentation. Here are some of the

leading players in the wind turbine casting market:

- ABB Ltd
- Dalian Huarui Heavy Industry Group Co., Ltd.
- Dean Group International
- Enercon GmbH
- Goldwind Science and Technology Co., Ltd.
- Sinovel Wind Group Co., Ltd.
- Suzlon Energy Limited
- Vestas

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- In January 2024, Vestas disclosed its objective to establish a contemporary manufacturing space in Szczecin, Poland. This space will oblige its offshore wind turbine, the V236-15.0 MW.
- In January 2024, Vestas collaborated with ArcelorMittal, a steel maker, to initiate a contemporary low-discharge steel solution for wind turbine towers.

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[https://www.polarismarketresearch.com/industry-analysis/wind-turbine-casting-market/request-for-discount-pricing?utm\\_source=EIN&utm\\_medium=EIN&utm\\_campaign=EIN&utm\\_id=01](https://www.polarismarketresearch.com/industry-analysis/wind-turbine-casting-market/request-for-discount-pricing?utm_source=EIN&utm_medium=EIN&utm_campaign=EIN&utm_id=01)

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decreasing carbon discharge are pushing funding in the wind energy framework. For instance, India's offshore wind power advancement scheme concentrates on structuring 10 to 12 GW of offshore turbines.

Region-wise Market Outlook?

Asia Pacific: Asia Pacific accounted for the largest wind turbine casting market share. The region's robust growth is primarily due to the speedy growth of wind energy covering China, Japan, and Australia.

Europe: Europe is anticipated to witness significant growth from 2025 to 2034. This can be attributed to the region's allegiance to push renewable energy projects and decrease carbon discharge.

Market Research Report:

[https://www.polarismarketresearch.com/industry-analysis/wind-turbine-casting-market/inquire-before-buying?utm\\_source=EIN&utm\\_medium=EIN&utm\\_campaign=EIN&utm\\_id=01](https://www.polarismarketresearch.com/industry-analysis/wind-turbine-casting-market/inquire-before-buying?utm_source=EIN&utm_medium=EIN&utm_campaign=EIN&utm_id=01)

Market Segments?

By Type Outlook

- Horizontal Axis
- Vertical Axis

By Material Type Outlook

- Steel
- Cast Iron
- Aluminum Alloy
- Glass-Reinforced Plastic
- Copper
- Others

By Application Outlook

- Onshore
- Offshore

By Casting Technology Outlook

- Sand Casting
- Chill Casting
- Others

By End Use Outlook

- Industrial
- Commercial
- Residential

## Geographical Segments

- North America
  - o US
  - o Canada
  
- Europe
  - o Germany
  - o France
  - o UK
  - o Italy
  - o Spain
  - o Netherlands
  - o Russia
  - o Rest of Europe
  
- Asia Pacific
  - o China
  - o Japan
  - o India
  - o Malaysia
  - o South Korea
  - o Indonesia
  - o Australia
  - o Rest of Asia Pacific
  
- Middle East & Africa
  - o Saudi Arabia
  - o UAE
  - o Israel
  - o South Africa
  - o Rest of the Middle East & Africa
  
- Latin America
  - o Mexico
  - o Brazil
  - o Argentina
  - o Rest of Latin America

## Q&A:

How much is the wind turbine casting market?

The market size was valued at USD 2,418.35 million in 2024 and is projected to grow to USD 4,597.45 million by 2034.

By material type, which segment is anticipated to register the highest growth rate in the wind turbine casting market during 2025-2034?

The steel segment of the market is anticipated to register the highest growth rate during the forecast period.

What is the regional scope of the market?

The regions included in the market are North America, Europe, Asia Pacific, Latin America, and Middle East & Africa.

What is the growth rate of the market?

The global market is projected to register a CAGR of 6.6% during the forecast period.

Polymers' market is anticipated to register the highest growth rate in the wind turbine casting market during 2025-2034:

Polymers market is projected to register a CAGR of 6.6% during the forecast period. The market is valued at \$ 0,000.00 million in 2024 and is projected to reach \$ 0,000.00 million by 2034.

Polymers market is anticipated to register the highest growth rate in the wind turbine casting market during 2025-2034:

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Tandem Piston Compressor Market:

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Polymers market is anticipated to register the highest growth rate in the wind turbine casting market during 2025-2034:

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