

Global High Purity Aluminum Market Size to Reach USD 9.92 Billion in 2030

Pure aluminum's advantages, like its excellent corrosion resistance and low density, are significant growth drivers for worldwide high purity aluminium market.

NEW YORK, NY, UNITED STATES, May 31, 2023 /EINPresswire.com/ -- The

global [high purity aluminum market](#) size was USD 1.85 Billion in 2021 and is expected to register a revenue CAGR of 20.7% over the forecast period, according to the latest report by Reports and Data.



A rise in end-use industry investment in high-purity aluminium adoption due to the metal's diverse applications is anticipated to fuel market revenue growth. By using aluminium plating as a surface finishing choice to enhance and protect the surface of other structural metals and composites, the performance of the material in the end-use environment can be improved.

The intermetallic coating made from pure aluminium can be heat-treated to have a working temperature range of up to 900°C and strong wear and abrasion resistance. Pure aluminium is being used more frequently in a variety of everyday items, including window frames, power lines, cars, and culinary utensils. The aviation sector has a significant need for pure aluminium as well.

Due to their numerous advantages, LED bulbs are being used more frequently than conventional bulbs, which is increasing demand for pure aluminium, which is anticipated to fuel market revenue development. At room temperature, pure aluminium is the best thermal and electrical conductor; only copper, silver, and gold have better conductivities. Aluminum also has the highest conductivity per mass, making it attractive in situations like aircraft applications where bulk needs to be minimised. Thermal conductivity of high-purity aluminium is known to be much higher than that of other common metals, such as steel. It is three times more thermally conductive than steel.

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Companies profiled in the market report include Norsk Hydro ASA, SHOWA DENKO K.K., Baotou Aluminum (Group) Co. Huomei Hongjun Aluminium & Electricity Co Ltd, Hebei Pengda New Material Technology Co. Ltd, RusAL, Sumitomo Corporation, Shandong Fuyang Bio-Tech Co., Ltd., Sasol, and Alpha HPA.

Some Key Highlights from the Report

- The Asia Pacific market was expected to contribute the biggest revenue share in 2021, according to regional study. Rising initiatives between numerous businesses and federal agencies are fueling industry expansion in this area. During the anticipated period, the North American market is anticipated to have rapid revenue expansion. It is anticipated that rising activity by several important organisations in this area will fuel market revenue development.
- The LED bulbs, semiconductor substrates, li-ion batteries, optical lenses, bio-medical devices, and other segments make up the worldwide high purity aluminium market. In 2021, the semiconductor substrate market had the biggest revenue share. Aluminum, which can be uniformly deposited into any thickness, is the ideal material for semiconductor fabrication equipment in around 99% of all cases. In the interiors of chemical vapour deposition chambers, aluminium enhances performance and lengthens the life of critical semiconductor etching and deposition process components.
- Novelis Inc., a Zurich-based company, unveiled Novelis HRC57S on March 22, 2022, a groundbreaking aluminium product with improved anodizing quality and more than 90% recycled material. The product is a superb option for aesthetic batch anodizing since it possesses outstanding bending and non-combustible properties not currently found in any other alloys. To ensure that gloss, colour, and corrosion resistance all meet the high-performance standards of the architectural industry, the new HRC57S alloy underwent a number of independent testing.

To know more about the report @ <https://www.reportsanddata.com/report-detail/high-purity-aluminum-market>

For the purpose of this report, Reports and Data has segmented the global high purity aluminum industry into Type Outlook, Application Outlook, End-use Outlook, Regional Outlook:

Type Outlook (Revenue, USD Billion; 2019-2030)

- 4N
- 4N5
- 5N
- 5N5+

End-Use Outlook (Revenue, USD Billion; 2019-2030)

- Building & Construction
- Industrial Machinery & Equipment
- Consume & General Products
- Electrical & Electronics

- Transportation
- Others

Application Outlook (Revenue, USD Billion; 2019-2030)

- LED Bulbs
- Semiconductor Substrate
- Li-ion Batteries
- Optical Lenses
- Bio-Medical Devices
- Others

Regional Outlook (Revenue, USD Billion; 2019-2030)

- North America
 - o U.S.
 - o Canada
 - o Mexico
- Europe
 - o Germany
 - o U.K.
 - o France
 - o Italy
 - o Spain
 - o Sweden
 - o BENELUX
 - o Rest of Europe
- Asia-Pacific
 - o China
 - o India
 - o Japan
 - o South Korea
 - o Rest of APAC
- Latin America
 - o Brazil
 - o Rest of LATAM
- Middle East & Africa
 - o Saudi Arabia
 - o UAE
 - o South Africa
 - o Israel
 - o Rest of MEA

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