

Weekly News Bulletin

8th July – 13th July 2024

Alcircle

[China aims to improve industry competitiveness with recycled aluminium and copper import rules](#)

Date: July 8, 2024

Keyword: Aluminium Industry

The Ministry of Ecology and Environment (MEE) of China has unveiled draft regulations to facilitate the importation of recycled aluminium and copper, aiming to enhance supply and bolster industry competitiveness. China, the leading global producer and consumer of metals, is intensifying its efforts to use more recycled materials. This initiative is part of a broader strategy to reduce carbon emissions from its energy-intensive industries while preventing the nation from becoming a repository for international waste. According to a notice issued by the MEE, raw materials for recycled copper, copper alloy, aluminium, and aluminium alloy will no longer be classified as solid waste. This reclassification means these materials can be imported without restrictions, marking a significant shift in China's import policies. The ministry is currently seeking market feedback on the proposed changes.

NDTV Food

[From Stainless Steel To Aluminium: How To Choose The Best Pan For Your Cooking](#)

Date: July 8, 2024

Keyword: Aluminium Industry

Whether you are a seasoned chef or just starting your culinary journey in the kitchen, choosing the right tools can make all the difference in your cooking. The material your cookware is made from can affect every aspect of the dishes you prepare. It might seem easy to pick up the first pan you come across, but choosing the right one can greatly impact and improve the results of any dish. Pans are a staple in every Indian household, from frying up crispy pakoras to slow-cooking curries. But with so many options available, how do you choose the right one? If you have the same question in mind, then you've landed on the right page! Read on to know which pan is perfect for what kind of dish.

The Hans India

[Apple to Replace Aluminium Casing of Apple Watch SE with Plastic; Details](#)

Date: July 9, 2024

Keyword: Aluminium Industry

Apple is considering a significant design change for its budget-friendly Apple Watch SE by potentially

replacing the aluminium casing with a more rigid plastic one. This move, if implemented, would represent a notable shift in Apple's design strategy, which has traditionally favoured premium materials such as aluminium, stainless steel, ceramic, and titanium for its smartwatch lineup. According to Bloomberg's Mark Gurman in his latest "Power On" newsletter, Apple is exploring the possibility of using a plastic casing instead of aluminium for the Apple Watch SE. The primary objective behind this potential design change is to reduce production costs and make the smartwatch more affordable. This adjustment could also position the SE model as a stronger competitor to Samsung's Galaxy Watch FE. Currently, the Apple Watch SE is available in India for Rs 29,900.

Machine Maker

[Alstom to Manufacture Large Batteries for Railways in Gujarat](#)

Date: July 9, 2024

Keyword: Renewable Energy

Alstom, plans to start making large batteries for railway systems in India within the next year. These batteries will be used to power various railway systems, including Vande Bharat trains and metro rail networks. "We are introducing batteries for traction and working hard to adapt these large, durable batteries for railway use," said Alstom CEO Henri Poupart-Lafarge. "We also plan to bring these technologies to India." Initially, the batteries will be imported from France, but Alstom aims to eventually produce them locally. The company's Maneja facility in Gujarat, which currently makes rail components, will be reconfigured to manufacture these large batteries. Poupart-Lafarge highlighted that battery-powered trains are energy-efficient and help reduce carbon emissions. These trains, along with aluminum rolling stock, are key to Alstom's future projects in India.

OEM Update

[Top 5 Indian Companies building a sustainable tomorrow with downstream aluminium](#)

Date: July 10, 2024

Keyword: Jindal Aluminium

Here's a closer look at five leading Indian companies that are making significant strides towards a sustainable future through their downstream aluminium operations. Jindal Aluminium is renowned for its commitment to sustainability and innovation in the downstream aluminium sector. Based in Bangalore, Jindal Aluminium operates one of India's largest manufacturing facilities for aluminium extrusions and rolled products. The company has embarked on a significant renewable energy journey, achieving 100% renewable energy usage in its Dabaspur and Bangalore units. Renewable energy may be a buzzword at the moment, but Jindal Aluminium stepped up on this journey in October 1997, when Jindal Aluminium became the first private IPP Company in Karnataka to install a wind energy facility in Chitradurga.

AI Circle

[Innovative aluminium-calcium composite promises breakthrough in power transmission](#)

Date: July 11, 2024

Keyword: Renewable Energy

The U.S. Department of Energy's Ames National Laboratory, a leading institution in material science, is now in the field-testing phase of a pioneering high-voltage overhead power conductor. This new conductor, an aluminium-calcium composite, represents a significant leap forward in long-distance power transmission. Developed and patented by the esteemed scientists at Ames Lab, the aluminium-calcium conductor is lighter and stronger and boasts at least 10 per cent lower line losses compared to existing materials, potentially enhancing the reliability and performance of the nation's electrical grid. In physics and electrical engineering, a conductor is an object or type of material that allows the flow of charge (electric current) in one or more directions. Ames National Laboratory is a U.S. Department of Energy Office of Science National Laboratory operated by Iowa State University. Ames Laboratory creates innovative materials, technologies, and energy solutions.

Innovation News Network

[What is aluminium's contribution to creating green batteries?](#)

Date: July 10, 2024

Keyword: Aluminium Industry

Aluminium is a crucial component of the green transition. Speira addresses the issue of sustainability in the aluminium industry, developing innovative solutions to ensure a stable supply of green batteries.

Battery electric vehicles (BEVs) are seen as the cornerstone of a more sustainable future of transport. Batteries are the key technology for powering these vehicles. However, the production of battery cells involves energy-intensive processes that result in significant CO₂e emissions. As a result, BEVs have a higher carbon footprint in production than internal combustion engine (ICE) vehicles. McKinsey's projections and industry targets indicate that CO₂e emissions from battery production can be significantly reduced. This study examines how aluminium components, such as the cell housing and the battery electrode foil, impact emissions today and what steps need to be taken to achieve meaningful carbon footprint reductions in future battery products.

ANI

[US prioritises Aluminum sector under Uyghur Forced Labor Act while EU urged to take stronger action](#)

Date: July 11, 2024

Keyword: Aluminium Industry

US authorities on Tuesday, made a significant move by prioritising the Aluminium production sector under the Uyghur Forced Labour Prevention Act. This decision comes amidst mounting concerns over human rights violations in China's Xinjiang Uyghur Autonomous Region (XUAR). Meanwhile, the European Union (EU) has faced criticism for its perceived inaction on these issues, prompting Human Rights Watch (HRW) to call for more assertive measures, particularly in addressing forced labour within Xinjiang's Aluminium industry. The US decision to focus on Aluminium production aligns closely with HRW's latest report titled "Asleep at the Wheel," released in February 2024. The report underscores the risks associated with sourcing Aluminium from Xinjiang's forced labour camps, highlighting the sector's crucial role in automotive parts production. HRW argues that this move by the US will compel car manufacturers to prioritize human rights considerations in their supply chains, marking a significant step in accountability.

AI Circle

[Century Aluminum appreciates Joe Biden's move to check Chinese aluminium imports via Mexico](#)

Date: July 11, 2024

Keyword: Aluminium Industry

The United States administration has strategically imposed an additional 10 per cent tariff on primary aluminium smelted or cast in China, Iran, Belarus, or Russia arriving via Mexico. This move effectively addresses the loophole that countries were utilising to avoid US import tariffs by routing through Mexico, thereby safeguarding the domestic aluminium industry. According to Century Aluminum, this initiation is an important first step in checking aluminium transshipments and unfair trade from third-party countries through Mexico. Reportedly, in the future, aluminium smelted or cast in China, Iran, Belarus, or Russia and converted into products in Mexico will also see a 10 per cent tariff.