SKC 보도자료

SKC will showcase future innovations at CES in the fields of secondary battery, semiconductor and eco-friendly material.

- SKC will present innovative products as a global ESG material solution company in the CES exhibition hall titled Action which will be jointly run by eight SK Group affiliates.
- Future growth engines such as semiconductors, glass substrates and silicon anode materials will be displayed to the public for the first time.
- An accelerated 2040 Net Zero target achievement is expected through the first-ever carbon footprint certification in the copper foil industry for secondary batteries.

SKC (President: Woncheol Park) will display key future products as a global ESG material solution company to show where the company's innovation is directed at CES (International Consumer Electronics Show) 2023, the world's largest industrial exhibition which will be held in Las Vegas, U.S. in January 5-8 (local time). Action hall visitors can expect to have an early glimpse of the innovations that will later take place in the secondary battery, semiconductor and eco-friendly material industries.

At the SK Group's exhibition hall that SKC will share with other SK Group's seven affiliates including SK Inc., SKC will showcase products like semiconductor glass substrate for high-performance computing; copper foil for secondary batteries; silicon anode materials; waste plastic recycling; and, PBAT and LIMEX, eco-friendly alternative plastic materials. SK Group's exhibition hall called Action (Moving Toward a Carbon-Free Future Together) is located at the center of the Central Hall, the main building of the Las Vegas Convention Center (LVCC).

The semiconductor glass substrate, being displayed to the public for the first time, will be located at the Green Digital Solutions zone in the SK Group's exhibition hall. The semiconductor glass substrate is a future material which is considered a game changer in the semiconductor packaging industry with significantly improved data processing speed and power efficiency. SKC started construction of a mass production facility just last month through its investee company Absolics Inc. and is working to commercialize the product for the first time in the world. Visitors can see for themselves the semiconductor glass substrate with a thickness of only one-fourth of the current plastic substrates and a smooth surface that can cope with micro-packaging.

Copper foil for secondary batteries, which caught the attention of CES 2022 visitors early this year, will be displayed at the Clean Mobility zone together with silicon anode material. SK nexilis, a copper foil company in which SKC has invested, owns super-gap technology to mass-produce the widest (1.4 meter) and longest (77 kilometers) copper products with the world's thinnest thickness of 4 micrometers (4μm, one-thirtieth of a hair). In addition, its excellent recipe technology and smart factory facilitate the production of products with customized properties in response to various demands including ultra-high-strength copper foils and high-elongation copper foils.

Recently, SK nexilis' copper foil products also received the Product Carbon Footprint certification from the Carbon Trust, a U.K. eco-friendly certification agency. The company's efforts to reduce carbon emissions were recognized for raw and subsidiary materials, the entire manufacturing process and waste disposal, which further made the product identity clear as an eco-friendly material together with super-gap technology.

Silicon anode, with the mass-production facility construction to begin next year, will also appear in the exhibition. Silicon anode is a material that greatly improves battery performance by increasing charging speed and driving distance of secondary batteries. However, the product is in an early phase of market expansion due to an issue of volume dilatation during charging and discharging. SKC invested in Nexeon, a British tech company, thereby securing exclusive business rights to a new technology that combines the advantages of various engineering methods and developed its competitive edge in the market through further research and development. SKC plans to supply silicon anode materials, high-elongation copper foils and high-strength copper foils grouped as a secondary battery anode solution.

SKC's eco-friendly materials, biodegradable PBAT and LIMEX, will be introduced to the public as food containers, forks and food exchange vouchers that will be used at the Outdoor Food Truck zone to taste sustainable food in which SK Group has invested. Through this, visitors can have a hands-on experience of the excellent usability of SKC's biodegradable materials. Besides, a video will be played at the Waste to Resources zone regarding SKC's waste plastic recycling solution that turns plastic waste generated from daily activities into resources through pyrolysis.

SKC's SV Director General (Vice President) Yuna Na said, "We will make it widely known at CES 2023 SKC's new identity as a global ESG material solution company and that it is committed to achieving the 2040 Net Zero targets through carbon emissions reduction," and added, "SKC will continue the search for and recruitment of new ESG material businesses through ongoing technology development."

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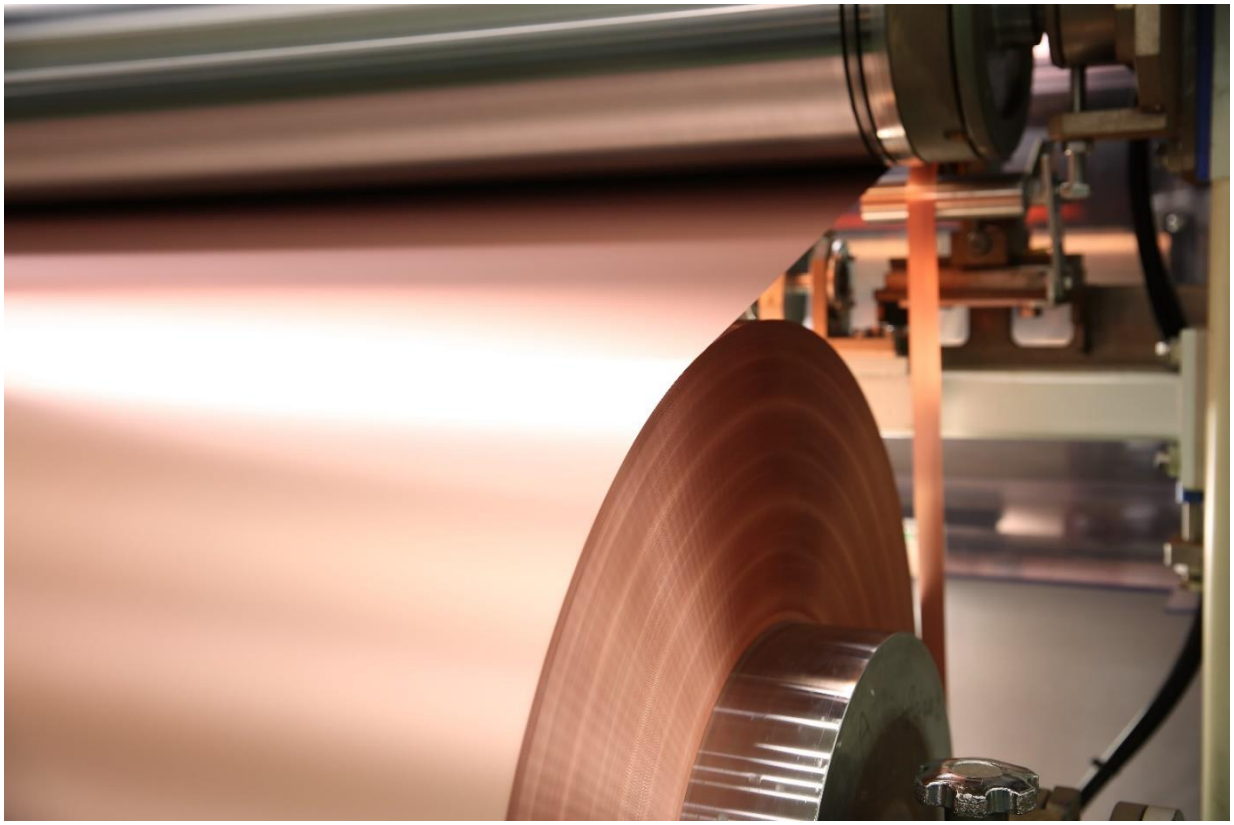

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