

News Release (December 4, 2023)

Development of Next-Generation Eco-Friendly Can Lid "EcoEnd™" with Major Revisions to Materials and Manufacturing Methods – Joint efforts by Toyo Seikan and UACJ reduce greenhouse gas emissions by 40% –

Toyo Seikan Co., Ltd. ("Toyo Seikan"), a consolidated subsidiary of Toyo Seikan Group Holdings Ltd., has jointly developed with UACJ Corporation ("UACJ") a beverage can lid "EcoEnd" that reduces greenhouse gas ("GHG") emissions by approximately 40% by significantly increasing the use of recycled materials that have a GHG emission level approximately 3% of that of new aluminum. Compared to current beverage can lids, the use of EcoEnd will reduce GHG emissions by approximately 13,000 tons^{*1} per billion lids. If all beverage can lids sold by Toyo Seikan in Japan are replaced with EcoEnd, a GHG emission reduction of approximately 140,000 tons^{*2} is expected annually.

Current beverage can lids require a substantial quantity of new aluminum to ensure the necessary level of quality in terms of material workability and strength. By combining UACJ's material manufacturing technology and Toyo Seikan's lid-forming technology, we have realized the development of a next-generation lid with the same quality performance as the current lid even when the use of new aluminum is reduced. Since the thickness of the lid is maintained, there is no need to change the equipment for beverage manufacturers that attaches the lid after the beverage is filled.

*1 According to Toyo Seikan' research

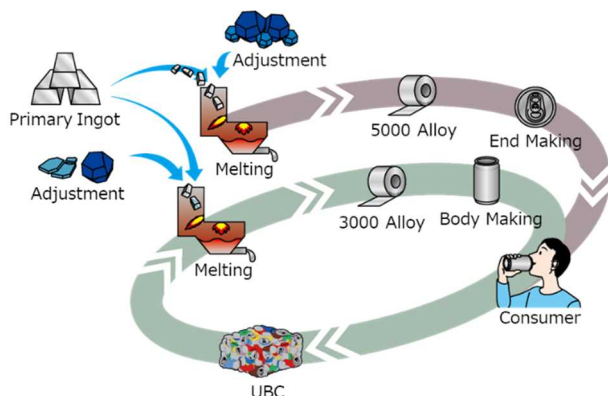
*2 Calculated based on the GHG reduction per EcoEnd and the actual production of the current SOT (stay-on-tab) lids at Toyo Seikan in FY2019

 **EcoEnd**
made with a new endless loop

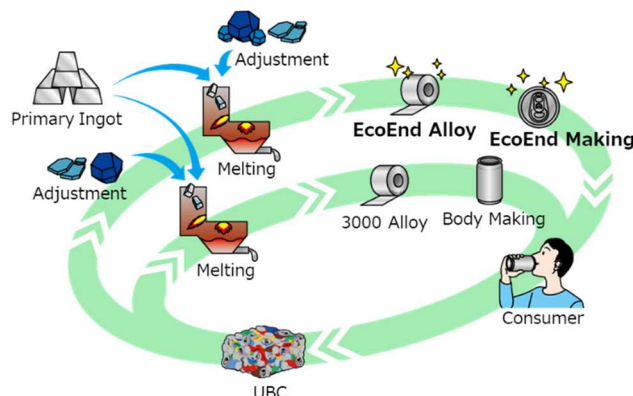


With the development of EcoEnd, it is expected that more recycled materials, such as used beverage cans (UBC), will be incorporated in future production, leading to a reduction in GHG emissions due to a decrease in the use of new metals. The following images illustrate the new aluminum material circulation flow realized by this approach:

Current Aluminum Container Material Recycling Flow



New Recycling Flow Proposed by EcoEnd



Toyo Seikan Group Holdings and UACJ signed a business alliance agreement on February 6, 2023, with the goal of further promoting the horizontal recycling of aluminum cans; the development of EcoEnd is part of this alliance. Together, we will continue to advocate for the horizontal recycling of aluminum cans and the reduction of GHG emissions throughout the beverage container supply chain.

About UACJ Corporation

Established in Japan in 2013 through the merger of Sumitomo Light Metal Industries and Furukawa-Sky Aluminum, UACJ Corporation operates globally as an integrated aluminum product manufacturer. Based on its stated purpose of “contributing to society by using raw materials to manufacture products that enhance prosperity and sustainability,” the UACJ Group operates six businesses—flat rolled products, automotive parts, extruded products, foil, casting and forging, and precision-machined components—that supply aluminum materials to a wide range of industries, including the beverage can, automotive, IT device, air-conditioning, and aerospace industries.

The flat rolled products business supplies products globally from production facilities in the United States, Thailand, and Japan, and the automotive parts business leverages a production system integrating processes from aluminum alloy development to design in the United States, China, and Japan.

The Company posted consolidated net sales of ¥962.9 billion in the fiscal year ended March 31, 2023, and the Group employs around 9,500 people around the world.

About Toyo Seikan Group Holdings, Ltd.

Toyo Seikan Group Holdings, Ltd. is a world-class comprehensive packaging manufacturer, delivering a variety of packaging containers using materials such as metal, plastic, paper, and glass. In the Long-Term Management Vision 2050, "The Future, Wrapped for All," we set the goal to go beyond our traditional field of packaging, aiming to become a corporate group that creates new value that changes society. Founded in 1917, Toyo Seikan Group Holdings, Ltd. conducts business on a global scale, with 44 group companies in Japan and 49 overseas, and currently employs a multinational workforce of 20,000 people. For more information, please visit <https://www.tskg-hd.com/en>

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