



December 5, 2019

NEWS RELEASE

Decision to introduce a mass production testing facility of solid electrolyte for all solid-state batteries

Start verification for commercialization of all solid-state batteries through the production facility of several tens of tons per year

Mitsui Mining & Smelting Co. Ltd. (President: Keiji Nishida; “Mitsui Kinzoku,” hereinafter) is pleased to announce that Mitsui Kinzoku has decided to introduce the mass production testing facility of solid electrolyte for all solid-state batteries.

Mitsui Kinzoku’s solid electrolyte has high lithium ion conductivity equivalent to that of conventional liquid electrolyte and also has high electrochemical stability, as announced in the press release on November 24, 2016. Since the press release, we have been collaborating with our customers to demonstrate all solid-state batteries having high energy density, rapid charge/discharge, and high durability.

Maxell, Ltd., announced to start delivering all solid-state batteries consisting of our solid electrolytes for the use of small-sized equipment, and our potential customers have been steadily evaluating our electrolytes for electric vehicles aiming to commercialize in 2020s. Therefore, Mitsui Kinzoku decided to introduce the mass production testing facility of solid electrolyte to focus on full-scale mass production.

Mitsui Kinzoku will construct a new test building on the site of R&D Center in Ageo-shi, Saitama, Japan and timely install production equipment at appropriate stages. The building will complete in December 2020, and the facility will start operation thereafter. Mitsui Kinzoku plans to increase its production capacity to several tens of tons per year in accordance with customer’s demand.

Under the slogan of “*Taking full advantage of Material Intelligence,*” we will contribute to preservation of the global environment through practical application of all solid-state batteries.

[Outline of the mass production testing facility]

Facility location: R&D Center (1333-2 Haraichi, Ageo-shi, Saitama Prefecture)

[Inquiries]

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