



January 16, 2023

Mitsui Kinzoku Exhibits at 15th Automotive World — Advanced Automotive Technology Show

Mitsui Mining & Smelting Co., Ltd. (President: NOU Takeshi; hereinafter "Mitsui Kinzoku") announces that it will operate a booth at the 15th Automotive World — Advanced Automotive Technology Show that will be held for three days from Wednesday, January 25, 2023 to Friday, January 27, 2023 at Tokyo Big Sight.

The exhibition highlights a collection of the latest technology elements for advanced vehicles focusing on subjects such as carbon neutrality, electronification/electrification, autonomous driving, connected cars and weight reduction. Mitsui Kinzoku will exhibit a variety of technologies and products from Copper Foil Division, Engineered Powders Division and Business Creation Sector.

The Copper Foil Division will exhibit MicroThin™ copper foils which are the thinnest copper foils with excellent circuit forming performance whose implementations include high performance application processors, memory and high-speed and large-capacity communication devices, the FaradFlex™ embedded capacitors that achieve noise reduction through their lamination on printed circuit boards, and electrolytic copper foils for high frequency circuit boards.

The Engineered Powders Division's corner features black powder for near-infrared transmissive films, a sensing material with high-level UV resistance with a focus on applications for autonomous driving and connected cars and also next-generation infrastructure.

Business Creation Sector will showcase Copper sinter paste, a material created by combining particle synthesizing and pasting techniques. It is expected to be a highly reliable, high heat resistant and environmentally friendly (lead-free) material for power devices that must perform at high outputs with high reliability. In addition, the material can be used in existing silver-based processes because it can be sintered in a nitrogen atmosphere.

It is requested that visitors present their invitation tickets to enter the venue. Mitsui Kinzoku recommends that visitors use e-invitation tickets that contain information on its product lines.

E-invitation ticket that contains information on Mitsui Kinzoku's product lines.

<https://www.automotiveworld.jp/tokyo/ja-jp/visit/e-ticket-ex/car.html?co=CAR1-1062>

We would appreciate your visiting the exhibit.

■ Exhibition outline

Name of the exhibition: 15th Automotive World — Advanced Automotive Technology Show

Time and date: From 10:00 a.m. to 5:00 p.m. from Wednesday, January 25 to Friday, January 27, 2023

Venue: Tokyo Big Sight Mitsui Kinzoku booth: Int'l Automotive Electronics Technology Expo 44-39

Official website: <https://www.automotiveworld.jp/tokyo/ja-jp.html>

Products to be exhibited: Copper foil products, black powder for near-infrared transmissive films and Copper sinter paste



MicroThin™, the thinnest copper foil



Black powder for near-infrared transmissive films



Copper sinter paste

■ Contact information for Inquiries

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(ii) Copper foil products

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(iii) Black powder for near-infrared transmissive films

Engineered Powders Division, Engineered Materials Sector, Mitsui Mining & Smelting Co., Ltd.

Email: kinoufun@mitsui-kinzoku.com

(iv) Copper sinter paste

Business Creation Sector, Mitsui Mining & Smelting Co., Ltd.

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