



Human Chemistry, Human Solutions

NEWS RELEASE

Teijin's Composite Highlights at JEC World 2022

Tokyo, Japan, April 27, 2022 --- [The Teijin Group](#) announced today that it will showcase a wide variety of high-performance composite products at [JEC World 2022](#). True to the motto "Sustainable Solutions for your Ideas", Teijin's high-performance materials and composites meet all requirements of the manufacturing industry by contributing to product cycle time and performance properties, while reducing environmental impact and improving end-user's comfort and safety.

The annual exhibition will take place from May 3 to 5 in Paris as well as online via the [JEC World Connect](#) digital platform.

Concentrating on aerospace and automotive applications, stated as the group's Strategic Focus in its Medium-term Management Plan for 2020–2022, the following exhibits can be experienced at the Teijin booth (hall 6, booth G28):

- **Trailing edge panel for aircraft** produced by Spirit Aerosystems using **Tenax™ rapid curing aerospace prepreg** and press molded in only a 20 minutes curing cycle.
- **Aircraft wing rear spar** produced by Airbus Spain-FIDAMC using **Tenax™ Dry Reinforcement Non-Crimp Fabrics** in resin transfer molding, ensuring repeatable quality and compatibility with high production rates.
- **Voith Carbon4Tank** containing **Tenax™ ThermoSet Towpreg**. Teijin Carbon Europe manufactures epoxy resin based Towpregs for automotive and industrial applications based on its **Tenax™ ITS50 24K** fiber.
- **Armored aircraft seat** containing **Twaron™ Aramid Fiber** for ballistic armor, able to protect up to 95% of the occupant with full body armor.
- **Twaron® based air freight containers** that are durable, strong, lightweight and fire resistant while offering fuel savings and increased safety.
- **Lightweight Multi-Material Door**, a finalist for the JEC Innovation Award in the Automotive and Road Transportation Category, features a specially modified, low VOC **TCA Ultra Lite®** outer panel, a hybrid glass and carbon fiber SMC inner panel, and an innovative steel internal reinforcement ring. It is 2.7 kg lighter than a traditional door made from steel.
- **Multi-material EV Battery Enclosure**, which features a one-piece composite cover and one-piece composite tray with aluminum and steel reinforcements. By molding the cover and the tray each as one piece, Teijin Automotive Technologies has created a system which is easier to seal and can be certified prior to shipment.

Also, JEC World Mobility Innovation Planet will highlight Envision Racing's Formula E car, representing the collaboration between the team and the Teijin Group. Through this relationship, Teijin enhances the development of sustainable technologies while continuing to build global consciousness on climate change.

Furthermore, Teijin representatives will make presentations regarding composites that contribute to sustainable society.

Date & Time (CEST)	Subject	Presenter	Venue
May 3 15:00-15:40	What actions are being carried out by fiber reinforcement producers in Europe to meet environmental requirements?	Smitha Sundaram Sustainability Analyst Eco-Economics, CSRE	AGORA 5
May 5 12:45-13:10	Women Leading Sustainability in Composites	Smitha Sundaram Sustainability Analyst Eco-Economics, CSRE Heidi Beers, Manager Corporate Sustainability Affairs EU, CSRE	AGORA 6

JEC World is the leading international composites show organized by the JEC Group, the world's largest composites industry organization.

About the Teijin Group

Teijin (TSE: 3401) is a technology-driven global group offering advanced solutions in the fields of environmental value; safety, security and disaster mitigation; and demographic change and increased health consciousness. Originally established as Japan's first rayon manufacturer in 1918, Teijin has evolved into a unique enterprise encompassing three core business domains: high-performance materials including aramid, carbon fibers and composites, and also resin and plastic processing, films, polyester fibers and products converting; healthcare including pharmaceuticals and home healthcare equipment for bone/joint, respiratory and cardiovascular/metabolic diseases, nursing care and pre-symptomatic healthcare; and IT including B2B solutions for medical, corporate and public systems as well as packaged software and B2C online services for digital entertainment. Deeply committed to its stakeholders, as expressed in the brand statement "Human Chemistry, Human Solutions," Teijin aims to be a company that supports the society of the future. The group comprises more than 170 companies and employs some 20,000 people across 20 countries worldwide. Teijin posted consolidated sales of JPY 836.5 billion (USD 7.7 billion) and total assets of JPY 1,036.4 billion (USD 9.5 billion) in the fiscal year that ended on March 31, 2021.

Press Contact

Corporate Communications
Teijin Limited
pr@teijin.co.jp