

Notice of Online Exhibition at CEATEC 2022

Fujikura will exhibit at CEATEC 2022, which will take place from Saturday, October 1st through Monday, October 31st, 2022. This CEATEC will be held under the slogan of “Facilitating the realization of Society 5.0, designed to further economic development and the solution of social problems, people, technology, and information from all industries and sectors will gather

to envision the future through ‘co-creation’.”

We will introduce our products that contribute to carbon neutrality in the fields of telecommunications and energy to reduce CO₂ emissions, which has become a social issue.

We look forward to seeing you at our online booth.



<p>Online Venue</p>	<p>From Saturday, October 1st through Monday, October 31st, 2022</p>  <p>Fujikura booth (scheduled to open online on October 1st) https://online.ceatec.com/booth/9503 *Advance registration/login to CEATEC is required.</p>
<p>Online Site Chat</p>	<p>From Tuesday, October 18th through Friday, October 21st, 2022</p> <p>During the online site chat period, from Tuesday, October 18th through Friday, October 21st, 2022, a chat function will be open for real-time communication with an engineer at each product exhibition channel. We hope you will take advantage of this opportunity.</p>

The concept of our exhibition at CEATEC

Contributing to Carbon Neutrality with “Tsunagu” Technology

Exhibit 01

High-density slotless optical fiber cable with small-diameter and light-weight

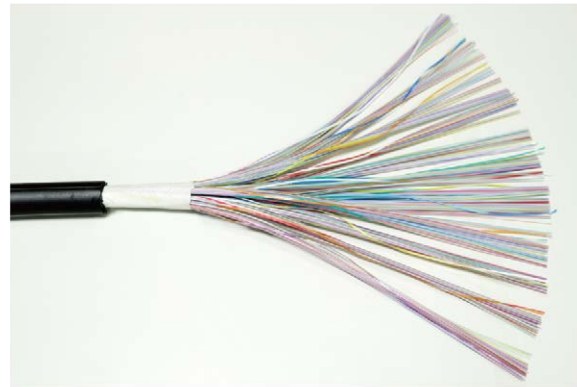
Recently, the volume of data communication on networks has exploded because of big data, 5G, IoT, and other factors, and most of it is supported by communication networks using optical fiber cables.

At CEATEC 2022, we will introduce a high-density slotless optical fiber cable with small-diameter and light-weight to support for increased transmission capacity in a single cable.

In addition, high-density slotless optical fiber cables with small-diameter and light-weight also contribute to the reduction of CO₂ emissions generated in the process of the manufacturing, transporting, and laying cables because of their small diameter and light weight.



High-density slotless optical fiber cable with small-diameter and light-weight
https://www.fujikura.co.jp/eng/products/optical/opticalfibers/02/2053715_12898.html



High-density slotless optical fiber cable with small-diameter and light-weight

Points relevant to the 17 SDGs

This cable, leveraging our proprietary technology, will contribute to the development of a secure and robust infrastructure to support the development of 5G and the increase in network capacity. We will also fulfill our responsibility to create and use by using environmentally friendly materials.



✉ Solution Engineering Department : telcon@jp.fujikura.com

Exhibit 02

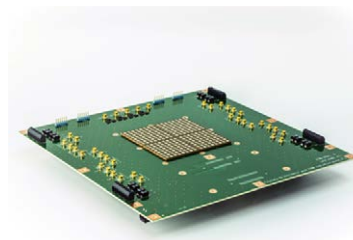
Millimeter-wave wireless communications module

We are developing the 28-GHz millimeter-wave phased array antenna module (PAAM), FutureAccess™, and the 60-GHz millimeter-wave wireless communications module. These modules realize compact and light-weight communications devices to support for high-speed and high-capacity communication by using wide-band millimeter-wave, contributing to low-cost and easy network construction. Compared with microwaves currently used for 4G and Wi-Fi, these products can significantly reduce the

energy required for transmitting information, contributing to the reduction of CO₂ emissions.



Millimeter-wave wireless communications module
<https://mmwavetech.fujikura.jp>



28-GHz PAAM for 5G millimeter-wave base stations “FutureAccess™”



60-GHz millimeter-wave wireless communications module

Points relevant to the 17 SDGs

Our proprietary millimeter-wave wireless communications modules realize high-speed and high-capacity wireless communication networks, contributing to the reduction of energy consumption for communications.



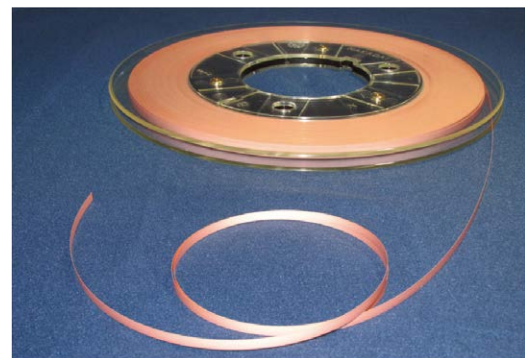
✉ Electronic Technologies R&D Center : mmwavetech@jp.fujikura.com

Exhibit 03

High-temperature superconductor

As an industry leader, our company has been developing rare-earth-based high-temperature superconductors for more than 20 years. Since high-temperature superconductors can be operated at liquid-nitrogen temperatures, the range of their applications is expanding. As countries around the world move toward carbon neutrality, they are paying attention to technologies that use high-temperature superconductors, such as fusion power generation technology, which does not produce CO₂ during power generation, and MRI (nuclear magnetic resonance imaging) devices for medical applications to reduce power consumption during cooling, as well as the electrification of aircraft. Our high-temperature superconductors with excellent and

uniform properties have been highly appreciated by our customers both at home and abroad. We will continue to contribute to the realization of a carbon-neutral society through high-temperature superconductors.



High-temperature superconductor



Fujikura product introduction site
<https://www.fujikura.co.jp/eng/#/product-category/nl-lv2-05/nl-lv2-05-lv3-01/nl-lv2-05-lv3-01-lv4-01>

Points relevant to the 17 SDGs

Our high-temperature superconducting technology will lead to the development of devices toward carbon neutrality and devices in the medical field for human health.



✉ Superconductor Business Development Division : ask-sc@jp.fujikura.com

Exhibit 04

EV charging connector

We Fujikura have a charging connector product with a cable that connects a quick charger to electric cars. In our charging solution, we are currently developing a liquid-cooled charging connector with a cable that can quickly charge as high as 200 kW. This can reduce the charging time to 1/3 of the previous time, which is one of the major challenges for charging infrastructures. As new charging infrastructure is being developed and expanded, Fujikura's quick charging connectors solve charging congestion by shortening charging time. This supports and promotes the spread of electric cars, and is linked to a carbon-neutral society as a whole.



Points relevant to the 17 SDGs

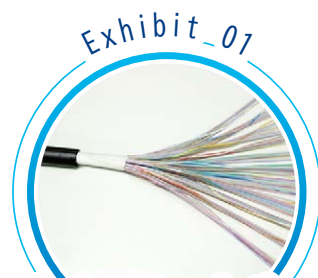
We promote the reduction of CO₂ emissions, which is a major challenge in environmental initiatives.



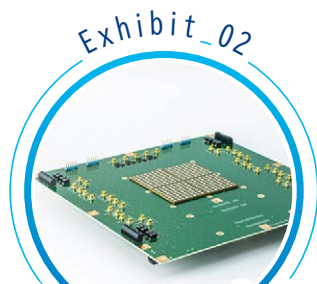
✉ Automotive Electrical System Development Division : wwadmin@jp.fujikura.com

Since its foundation in 1885, we have consistently provided highly reliable products and services in the four business fields of energy, telecommunications, electronics, and automobiles through “Tsunagu” technologies, thereby contributing to the creation of an affluent society.

In this CEATEC, we will introduce our products that contribute to carbon neutrality in these fields.



High-density slotless optical fiber cable with small-diameter and light-weight



Millimeter-wave wireless communications module



High-temperature superconductor



EV charging connector

