

## A company that pursues the possibilities of polymers to contribute to a future of better mobility and living

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Toyoda Gosei has been delivering rubber and plastic automotive parts to customers for over 75 years. This expertise in polymer materials and processing will lead to our future business growth. In our business plan for 2030, we aim to be *a company that pursues the possibilities of polymers to contribute to a future of better mobility and living*, providing societal values of safety, comfort, and decarbonization while addressing changes in future mobility and social issues.

At this Mobility Show, we will show you how our automotive technology will expand into *future diverse mobility and people's lives*. I hope you see and experience these aspects and develop high expectations for the future envisioned by Toyoda Gosei.

Now, let me explain what kind of values we can deliver to you in the fields of safety, comfort, and decarbonization.

First is safety. Our airbags and other safety systems will create a safer mobility society by reducing casualties from traffic accidents. Our *seat-integrated airbags* accommodate various seating postures in autonomous vehicles. With the aim of “protecting everyone on the move,” we are providing safety for riders of bicycle and other mobility. This *pop-up fender* is a concept to meet increasing traffic accidents with bicycles and mitigates impact to the riders with cushioning function. Our display also includes a *motorcycle airbag* and other airbags for various types of mobility besides automobiles. Toyoda Gosei will continue developing technologies for a safer society.

Next, we will contribute to more comfortable mobility and living. Recently, the concept of automobiles is changing. There has been a growing tendency to emphasize not only ride comfort but also comfort of staying inside the car. This trend is driven by a heightened value placed on spending time in a personal space and the anticipated changes in how people spend their commute time in

autonomous vehicles. Going forward, we will make proposals that envision the car interior as an entertainment space or a relaxation space. Our cockpit products are evolving to offer spaces with new values such as refreshing the mind and body during travel. Here, you can experience a *future cockpit* where the driver's physical condition and mood are monitored during autonomous driving and thereby customized light, sound, and scents induce relaxation. Our contribution includes people's wellness. The *healthcare AI insole*, for example, addresses the challenge of prolonging healthy lifespan in an aging society. We obtain foot pressure data with sensors and visualize posture problems such as hunched back and sway back. The accumulated health data enables to foresee future disease outbreaks and provide useful information that leads to various measures to prevent them. In our booth, you can experience analysis of your posture tendencies based on the acquired data.

Last comes decarbonization. Expectations are rising for hydrogen as a next-generation energy source. Since 2019, Toyoda Gosei has started producing high-pressure hydrogen tanks for passenger vehicles, and the utilization has expanded to commercial vehicles like trucks and boats. In 2024, we developed tanks for *portable hydrogen cartridges* intended for safe use in various daily settings beyond mobility. Hydrogen energy can shortly be utilized in more familiar scenarios such as power sources combined with cooking equipment or fuel cells. Our concept car showcases a future where mobility and living are seamlessly connected via the usage of hydrogen energy through examples of using these cartridges in cars and scooters. This hydrogen cartridge is also used in the hydrogen sauna exhibited by Toyota Motor in the Tokyo Future Tour held on the first floor of the West Hall.

Our other effort is material recycling of rubber and plastics. Our horizontal recycling technology enables returning waste polymer parts to high-quality raw materials and reusing them in the same automotive parts. Recycled parts have already been partially adopted, and we will expand this application to parts requiring aesthetic appearance. Our concept car exemplifies recycled plastic and rubber incorporated into the vehicle's front-end components.

We will continue to contribute to safer and comfortable mobility in society, as well as the construction of a decarbonized society through its unique polymer technology. I hope you continue to hold high expectations for Toyoda Gosei as an intriguing company capable of achieving great things.