

Plastics Business

Promoting sales of our unique strategic products and initiatives aimed at carbon neutrality.

Techno-UMG Co., Ltd. has a legacy of being the first company in Japan to produce ABS resins back in 1963. At present, the company is a top manufacturer with over a 50% market share in Japan. The performance of this business is higher income and lower profit in FY2022, while higher income and profit is forecast in FY2023.

Within the automobile industry, where our main customers are located, as there is a demand for EVs, weight reduction, multi-functionality, and reduced environmental impact, our unique strategic products are widely used in automobile parts. In addition to increasing sales of products with such functional characteristics, we aim to also ensure profits by

responding to rising raw materials costs and fuel prices as appropriate. In addition, we will switch to fuels with lower CO₂ emissions at our plants, recycle products, and develop and sell products with less environmental impact in aiming to achieve carbon neutrality in 2050.

Kazumasa Yamawaki
Senior Officer



High-performance resin

Business strengths

- Development of strategic products using our proprietary technology
- Marketing capability to cultivate a wider and deeper market
- Global sales locations and SCM system
- Increased production efficiency and cost competitiveness through business integration

Awareness of business environment

- Recovery in automobile production volume
- Increased needs for EVs, weight reduction, and reduced environmental impact in automobiles

Environmentally recyclable resin

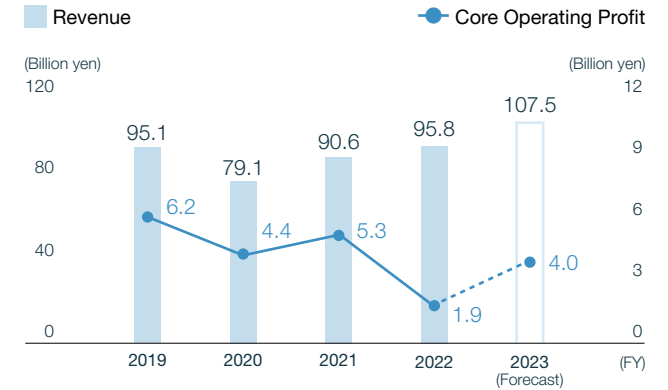
Business strengths

- Establish product life cycle through following promotion of a circular economy
- Research and development of biomass raw materials

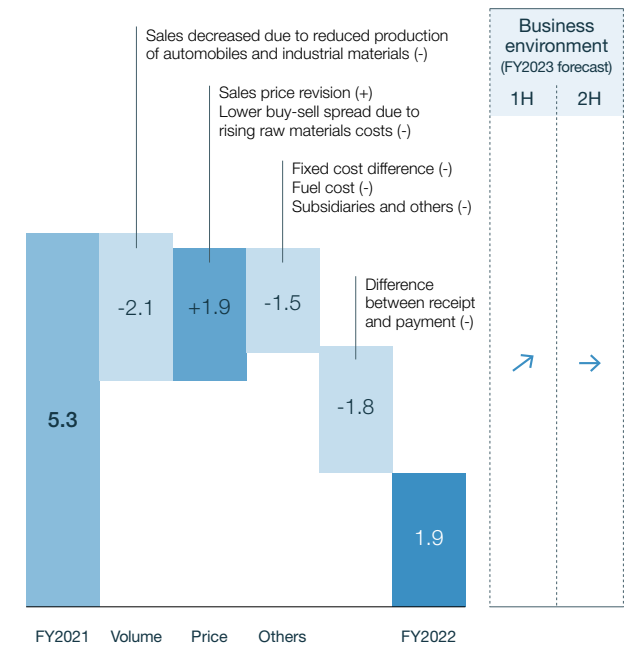
Awareness of business environment

- Demand for a carbon neutral, decarbonized society
- Response to biodiversity

Revenue and Core Operating Profit



Core Operating Profit Gap Analysis (Billion yen)



TOPICS

Plastics Business Strategic Products

HUSHLLOY™ Anti-Squeak Material

When plastic parts are joined together, rubbing between the parts can cause audible and unpleasant squeaks. This noise, caused by frictional vibration on the contact surface between plastic parts, is a major design consideration. HUSHLLOY™ styrene thermoplastic offers revolutionary properties that prevent squeaks to maintain a quiet vehicle interior. It also helps lower environmental impact since its effects last for the lifetime of the product.



Paint-less High Appearance Material VIVILLOY™

VIVILLOY™ is a highly colorable material for paint-less applications. We developed it based on proprietary polymer technology cultivated over many years of selling and supplying weather-resistant materials and composite plastic alloys around the globe. Though no paint is used, this product features color depth and vividness closely resembling paint for components with intricate shapes. Moreover, bypassing the painting process can contribute to lower overall costs for customers.



PLATZON™ High Adhesion Resin for Plating

PLATZON™ is a specially developed PC/ABS resin with excellent plating adhesion and processability. It exhibits stable plating adhesion performance under various molding and etching conditions, which makes it possible to achieve high yields.



Cultivate new markets and materials with improved texture

We showcased resin material for robotic applications at an exhibition in order to cultivate new markets. We developed a material with improved texture that is soft and pleasant to the touch using our proprietary polymer compounding technology. We maintained the excellent moldability characteristic of ABS resins, while made improvement on the hardness of resin and stickiness of elastomers to give the material a smooth and soft texture for it to have a wide range of applications in the robotic market. We aim to increase supply to the robotic market which is expected to grow going forward by providing materials with multiple functionalities.



Molded products with design features

Initiatives Towards a Decarbonized Society

As the demand for transitioning to a decarbonized society increases by the day, we have established milestones aimed at carbon neutrality and are implementing initiatives across all departments and generations of employees. Techno-UMG Co., Ltd. is implementing a project aimed at achieving carbon neutrality in 2050. Moreover, we are considering implementing fuel conversion and switching to renewable energy use in order to reduce CO₂ emissions during production.

Materials to address customer and social issues

The Group contributes to addressing customer and social issues through its supply of highly functional materials created using its unique technical and development expertise. We have developed highly functional materials such as those that suppress squeaks, materials that have high weather resistance and can be used for a long time, materials that increase grip like rubber, etc., which could not be achieved in the past. In the future, we will continue to take on challenges of developing materials that will address social issues.



Production locations of Techno-UMG Co., Ltd. Ube Plant (upper left), Otake Plant (upper right), and Yokkaichi Plant (bottom left)