



**Techno-UMG**

**CORPORATE PROFILE**

# Leveraging Japanese ABS Resins Expertise for Global Market Expansion

## Driving Solutions to Global Challenges Through Materials Innovation and Advanced Product Performance

Atsushi Ishii  
President and CEO



The materials industry faces a challenging environment, including global price competition. However, global demand for ABS resin is expected to grow steadily alongside the expansion of the world economy. Therefore, our goals are “market development through high-performance innovation” and “co-creation with customers.” Our mission is not merely to supply products, but to “solve societal challenges through material innovation.” We will engage in repeated dialogue with our customers, deeply understand their true needs on the ground, and jointly create solutions.

Our competitive edge stems from unparalleled proprietary technology and market development capabilities that deeply

align with customer needs. HUSHLLOY®, which suppresses the unpleasant squeaking noise generated at plastic joints, delivers lasting effectiveness, achieving unmatched quality impossible to replicate elsewhere. By deeply engaging with customer challenges and jointly developing new materials, we have created a diverse range of products.

We will continue to boldly pursue the development of high-performance products that meet society’s evolving needs, such as “Vivid color materials” that eliminate the need for painting processes and contribute to CO<sub>2</sub> reduction, and “vibration-damping materials” that suppress vibration to achieve both quiet operation and comfortable usability. We aim to

establish ourselves as a high-performance plastics company.

Furthermore, the stage for our challenges is expanding to the global market. Our technology is already being adopted by major Chinese EV manufacturers, crossing borders and gaining recognition as a choice for performance and reliability.

As Japan’s leading styrene-based resin manufacturer, realizing a sustainable society is also our critical responsibility. We have set an ambitious goal to reduce CO<sub>2</sub> emissions by 40% by 2030.

Our ABS resin supports every aspect of daily life, from automobiles and home appliances to building materials and gaming consoles. We pledge to continue creating a better future together with our customers, partner companies, and society.

### What are ABS Resins?

ABS is a high-performance resin composed of three components: acrylonitrile, butadiene, and styrene. It offers excellent rigidity and processability, and its surface can be finished beautifully, making it suitable for use in automobiles, home appliances, office automation equipment, and building materials. Techno-UMG provides ABS resin pellets with various functionalities to meet the needs of manufacturers.



# Together with our customers, Techno-UMG is expanding the possibilities of ABS resins as a manufacturing material.

With ABS resins at the heart of our products, we possess technological capacities that flexibly fulfill a range of diverse needs, and use these to create products with unique properties that bring together multiple special features.

With a record that includes developing products that minimize squeaking when rubbing up against other resins and others that reproduce the effect of paintwork without painting, we provide users all over the world with high-value-added products with extremely consistent quality.

## High-grade, high-performance ABS resins that work closely with the five senses.

Our product line-up offers a wide range, from products with high impact-resistance, excellent moldability and processability, and high heat-resistance and rigidity to those with effective weather resistance.



**HUSHLLOY®**  
An anti-squeak material

HUSHLLOY® dramatically reduces the unpleasant squeaking that we can hear when plastic components rub together in items such as automobile dashboards, air conditioning outlets, home electrical appliances, and everyday household goods. What's more, this effect does not decrease over time. This allows for a reduction in costs for anti-squeaking measures included in product design.



**PLATZON®**  
A plating material

This plastic plating material has a variety of uses, including in the making of radiator grilles and emblems for automobiles. PLATZON® demonstrates excellent adhesion and also provides an outstanding balance between heat-resistance, moldability, processability, impact-resistance, and other features. We have improved both productivity during the production process and plating process yield, allowing us to contribute to reducing environmental impacts.



**VIVILLOY®**  
A material with excellent color appearance

This material produces vivid colors without the need to apply paint and has been adopted for use in the making of side-view mirrors and spoilers for automobiles, components for construction, and more. Despite being unpainted, VIVILLOY® closely reproduces the deep, bright colors of paintwork in a variety of complex applications and configurations. Omitting the painting process contributes to reducing both total costs and environmental impacts.

## Our ABS resins are used in all kinds of products that are part of everyday life.

### ■ Automobiles

Side-view mirrors / car navigation systems / aerodynamic components / smart mirrors / LED lights / switches and instrument panels / head-up displays / power window switches

### ■ Electrical appliances and equipment

Refrigerators / heated bidet seats / home water purifiers / laptops / camcorders

### ■ Accommodation and construction materials

Plastic decking / artificial bamboo / plastic window frames / plastic-coated faucet levers

### ■ Offices

All-in-one devices (multifunction printers) / inkjet printers

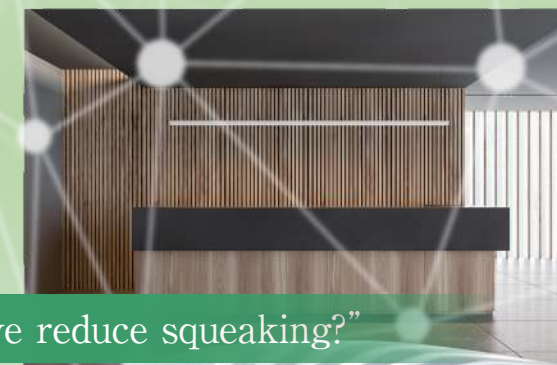
### ■ Other

Game consoles / musical instruments (recorders, melodicas) / wristwatches

“Can we create a material that resists marks and fingerprints?”



“Can we make it sound luxurious?”



“Can we reduce squeaking?”



“Can we achieve the desired color without paintwork?”

“Can we create a material that's pleasant to the touch?”

# Japan's strengths on the global stage

## Bringing together Japan's strengths for the industry's leading manufacturers.

Techno-UMG unites a variety of technologies, know-how, and markets built up by more than ten companies over many years in their various specialist fields. Forming the fabric of Techno-UMG, it is this combination of diverse DNA that allows us to create unprecedented, high-value-added products and compete not only in the Japanese market but as our nation's representative ABS manufacturer on the world stage.

## History

### History of Japanese corporations

#### Mitsubishi Monsanto Kasei Co.

Joint venture of Mitsubishi Kasei Corporation (Now Mitsubishi Chemical) and the American Monsanto Company begins production of AS resins in Yokkaichi

#### Japan Synthetic Rubber Co., Ltd. (now JSR Corporation)

Japan Synthetic Rubber (now JSR) begins production of ABS resins

Techno Polymer Co., Ltd. established through joint investment by Japan Synthetic Rubber Corporation and Mitsubishi Chemical Corporation

Techno Polymer acquires Kaneka Corporation's MUH (heat-resistant ABS resins) business

Techno Polymer becomes wholly-owned subsidiary of JSR after stock transfer from Mitsubishi Chemical

The American Monsanto Company withdraws capital from Mitsubishi Monsanto Kasei. Mitsubishi Monsanto Kasei incorporated into Mitsubishi Chemical Synthetic Resins Division

Mitsubishi Monsanto Kasei begins production of ABS resins



Techno-UMG established through joint investment by JSR, Ube Industries, Ltd. (now UBE Corporation) and Mitsubishi Chemical Corporation

1961

1963

1966

1967

1988

1994

1996

2002

2005

2009

2018

#### Nitto Chemical Industry, Co.

Nitto Chemical Industry begins production and sale of ABS resins

Mitsubishi Rayon Co., Ltd. takes over Nitto Chemical Industry's ABS resins business

#### Ube Cycon., Ltd

Joint venture of Ube Industries (now UBE) and BorgWarner Chemicals, Inc. begins production of ABS resins

General Electric Company acquires BorgWarner Chemicals

UMG ABS Ltd. established through joint investment by Ube industries, General Electric and Mitsubishi Rayon

UMG ABS takes over Hitachi Chemical Co., Ltd.'s ASA resins business

2014 PT. UMG Plastics (Jakarta, Indonesia) established

2013 Techno Europe N.V. established

2012 UMG ABS Shanghai, Ltd. Guangzhou Branch established  
UMG ASIA (THAILAND) LTD. established

2009 UMG ABS Shanghai, Ltd. established

2008 Techno Polymer Guangzhou Co. Ltd. established

2002 TECHNO POLYMER AMERICA, INC. established

2000 Techno Polymer (Shanghai) Technical Development Co., Ltd. established

2007 UMG ABS Hong Kong, Ltd. established

1995 Techno Polymer (Shanghai) Co. Ltd. established  
Techno Polymer (Thailand) established

1989 TECHNO POLYMER HONG KONG CO., LTD. established

### History of local subsidiaries

## Fulfilling our responsibility to build for the future.

—We are committed to a variety of social initiatives in the aim of creating a sustainable future.

Working toward a carbon-free society. We are promoting efforts aimed at achieving carbon neutrality.



Calls for the transition to a carbon-free society are mounting daily and responses to this demand are also gathering momentum. Techno-UMG is promoting projects that aim to achieve carbon neutrality by 2050. All departments and employees at every level have come together to support our engagement with this issue and set milestones. In order to reduce CO<sub>2</sub> emissions during production, we are looking into switching fuel sources and using renewable energies.

We will work with all stakeholders to reduce GHG emissions throughout the supply chain.



To meet our customers' needs, Techno UMG are working to develop performance materials, such as HUSHLLOY® and VIVILLOY®, that reduce customers' processing operations. We will also continue to explore ways to reduce greenhouse gas (GHG) emissions from our raw materials and logistics processes, in communication with our business partners.

## Network

Techno-UMG locations (as of April 2025)

### Europe

Techno-UMG Europe GmbH  
Düsseldorf, Germany

### ASIA

Techno-UMG Guangzhou Co., Ltd.  
Guangzhou, China

Techno-UMG Shanghai Co., Ltd.  
Shanghai, China

Techno-UMG Hong Kong Co., Ltd.  
Hong Kong, China

Techno-UMG Asia Co., Ltd.  
Bangkok, Thailand

### JAPAN

Techno-UMG Co., Ltd.  
Tokyo Head Office  
Nagoya Office  
Osaka Office  
Ube Plant/R&D Department  
Otaka Plant  
Yokkaichi Plant/R&D Department

### USA

Techno-UMG America, Inc.  
Cincinnati, USA

Techno-UMG America, Inc.  
Detroit Office  
Detroit, USA



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