



Techno-UMG

CORPORATE PROFILE

Developing ABS resins
tailored to your unique needs.
This is the Techno-UMG mission.



We add the features required by today's world.
Our position as leaders in the ABS resins sector gives us the ability to
deliver pioneering, high-value-added ABS resins worldwide.

President & CEO, Techno-UMG Co., Ltd. **Kazumasa Yamawaki**

At Techno-UMG, we keep pace with the significant changes that globalization continues to effect on society. Techno-UMG combines the diverse DNA of around ten companies brought together in a series of mergers and acquisitions, including the technologies, know-how, and corporate cultures built up over many years by each of these businesses. This is what allows us to create unique products and to continue to evolve as the leading company in the sector, currently boasting a domestic market share of over 50% in ABS resins.

As global demand for ABS resins continues to grow by approximately 5% per year, we are expanding into the international market while maintaining our Japanese market share.

However, we are not pursuing a low-margin, high-turnover business that prioritizes quantity.

Instead, we are working toward high-value-added products created through our unique technologies and development capabilities.

For example, we are the first to achieve high-performance ABS resins with features inhibiting squeaking and heat build-up, providing excellent weather resistance to allow long-term use, increasing gripping power akin to rubber, and more.

By combining new materials using our unique technologies, we also hope to create "XYZ" resins. These will be a new generation of ABS resins surpassing the limits of today's ABS resins, to be delivered to both Japan and the wider world.

Keeping our thinking flexible, we will continue to meet the challenges of our changing world.

We will continue to respond to our customers' needs with products no other company can create.

You can count on us at Techno-UMG.

What are ABS resins?

ABS resins are high-performance resins combining three components: acrylonitrile, butadiene, and styrene. Thanks to their superior rigidity and processability and the fact that their surfaces can be attractively finished, they are used in the making of automobiles, home electrical appliances, office equipment, housing materials, and more. Techno-UMG supplies ABS plastic pellets as a manufacturing material, with a variety of features corresponding to manufacturers' needs.



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 the paint, 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 production

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 (a predecessor of 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 (now JSR) 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 Holdings 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 Saikon Co., Ltd.

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

General Electric Company purchases BorgWarner Chemicals

UMG ABS Ltd. established through joint investment by Ube Saikon 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

2007 UMG ABS Hong Kong, Ltd. established

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

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

1989 TECHNO POLYMER HONG KONG CO., LTD. established

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.

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



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 CO₂ emissions during production, we are looking into switching fuel sources and using renewable energies.



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 2022)

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.
Techno-UMG Co., Ltd.

Tokyo Head Office
Nagoya Office
Osaka Office

Ube Plant/Materials Research and Development Center
Otake Plant
Yokkaichi Plant/Product Research and Development Center

USA

Techno-UMG America, Inc.
Cincinnati, USA

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

