



The JSR Group Pursues the Challenge of Innovation with Focus on the Society of Tomorrow.

Transforming our business with a pioneer approach to advanced technology

The JSR Group was originally established in 1957 as Japan Synthetic Rubber Co., Ltd. to manufacture synthetic rubber in Japan. Since then, we have pioneered cutting-edge technologies and expanded our overall business in response to the changing needs of our customers. Based on the foundation of our technologies, we are transforming our business and fulfilling these needs by combining our global group capabilities with our technologies and human resources.

Through activities that support our corporate mission, we are helping to create a sustainable society

We are committed to pursuing the vast potential that is represented by innovative materials. This is how

we create value and contribute to society, which is true to our corporate mission—"Materials Innovation—We create value through materials to enrich society, people and the environment."

JSR Materials Innovation continues to respond to changes in social needs

The JSR Group's materials are used to produce a vast range of everyday products including materials for semiconductors, display panels, and home electronics. Today, we are also strategically involved in new businesses that aim to respond to society's deeper needs in addition to focusing on the Digital Solutions Business and Life Sciences Businesses. We will continue to use Materials Innovation to address challenges in the global human community.



The JSR Group contributes to society through technology, which is the strength of JSR, and works to enhance corporate value.

Overview of the Management Policy for FY2024

The strength of the JSR Group lies in technology, which is how we contribute to society. Our value as a group is to create new businesses through technology, contribute to solving issues faced by our customers and society, and help society flourish. Therefore, in our management policy for FY2024, we will focus on strategies for the following business areas that are in line with the strength of the JSR Group: the Digital Solutions Business, especially the Semiconductor Materials Business segment, and the Life Sciences Business.

Through superlative quality and robust customer support, we aim to maximize the value of our business, continue to grow sustainably, and become a truly global company. By recognizing the changes in the environment as opportunities, we will strive to build a more resilient organization that is capable of generating business opportunities, achieving double-digit Return on Equity (ROE) across the group, and surpassing our record of 60 billion yen for our two core businesses.

Life Sciences Accelerating growth in DS & LS Digital Solutions Business (DS) Digital Solutions Business (DS) Becoming a truly lobal company that is Sustainable & Resilient Petrochemical Petrochemical Petrochemical **Businesses** Businesses 1957 2000 2010 2020 2030 KBI, MBL Selexis, Crown Chiha /Kashima Entered the Entered the Yokkaichi Plant became becames Plant operations display materials consolidated consolidated operations began market subsidiaries subsidiaries



Creating value for all stakeholders and aiming for sustainable growth



Building a resilient organization that can embrace any changes in the operating environment



[Business Portfolio]

Core Business

Digital Solutions Business

(especially the Semiconductor Materials Business)

Life Sciences Business

0

[Business Target]

More than 10%

Exceed Prior Peak

Core Operating Profit 60 billion ven or more

0

[Structure]

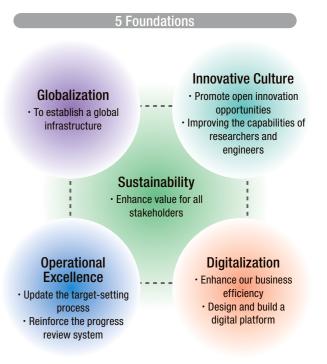
- Resilient Infrastructure
 - Innovation
- Digitalization ESG commitment
- Employee engagement

Resilient Infrastructure

5 Foundations

Amid the growing complexities and uncertainties in the world, converting the myriad changes in the operating environment into opportunities will require the JSR Group to further reinforce the culture of innovation it has fostered over many years and better equip the Group to embrace change.

Therefore, JSR has identified the "5 Foundations" that form the basis of our culture. In addition to "Sustainability," the "5 Foundations" framework include the following: "Innovative Culture" that ensures that we remain as a cutting-edge technology company, "Globalization" that builds the awareness, capabilities, and infrastructure we need to respond to changes worldwide, "Digitalization" that draws on digital transformation trends to help us work more efficiently, and finally, "Operational Excellence," which integrates all the other foundations in transforming the operational capabilities of the JSR Group.By taking actions in each of the "5 Foundations," we will strive to build a resilient management foundation and continuously enhance corporate value.



The JSR Group practices sustainability management with the aim of providing value to all stakeholders and growing in harmony with them.

■The JSR Group's Materiality

Business Activity We will address three key issues







DIGITAL SOLUTIONS **BUSINESS**

Materials supporting the digitalization of smart society Curtailment of electricity consumption

LIFE SCIENCES **BUSINESS**

Early development of pharmaceuticals Increase success probability of development and development efficiency

PLASTICS BUSINESS

More comfortable driving experience by eliminating interior squeaking Providing products designed to support

Management Foundation Promotion throughout the Group Five priority issues **Environmental conservation** and impact reduction Employees DE&I*2 Ways of working Supply chain **Health and safety** Respect for human rights



Achieve net zero GHG^{*1} emissions by 2050 by working collectively as a Group





Respect diversity and increase employee



Prioritize safety and ensure good mental and physical wellbeing



Deepen understanding of human rights and take the correct actions





Sustain stable procurement from sound procurement partners

Corporate governance

*1 GHG: Greenhouse Gas *2 DE&I: Diversity, Equity, & Inclusion considerations, solutions to social issues, and governance initiatives are integrated within its business.

The JSR Group has implemented sustainability management in which environmental

As part of its sustainability activities, the JSR Group has organized its priority issues into the following two aspects and is taking initiatives to address these areas: "Business Activity" and "Management Foundation." These activities also support the United Nations Sustainable Development Goals (SDGs).

Business Activity: We will address three key issues.

The JSR Group operates digital solutions, life sciences, and plastics businesses. Through the provision of products and services in each of these areas, we contribute to society by improving the quality of life, supporting a healthy and long-lived society, and preserving the global environment.

Management Foundation: We will address five key issues.

In the management foundation that supports our business activities, we have set medium- and long-term challenges in the five areas of "Environmental Conservation and impact reduction," "Employee DE&I Ways of working," "Health and safety," "Respect for human rights," and "Supply chain." Among these, we place particular emphasis on reducing greenhouse gas emissions and improving employee engagement, and have incorporated goals into our management policies to achieve "virtually net zero" greenhouse gas emissions by 2050 and methodologies for analyzing factors that affect employee engagement in order to address them through initiatives such as personnel systems, work style reforms, and diversity policies.

With respect to corporate governance, we have diversified our Board of Directors to include several independent outside directors with experience in management and financial activities including independent outside corporate auditors.

Year of Establishment

1957

In 1957, when petrochemical products were indispensable for industrial development, Japan Synthetic Rubber Co., Ltd., now JSR Corporation, was established with the mission of domestically producing synthetic rubber.



Number of business sites

* As of April 1, 2023

The JSR Group operates in 19 locations in Japan and 28 locations overseas.

Number of Employees

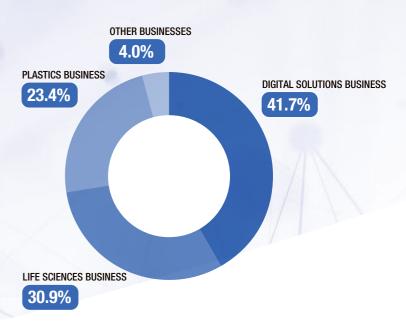
* Number of consolidated employees as of March 31, 2023.

Of this number, 4,353 employees work at overseas business sites.



Revenue Breakdown by Business Segment (FY2022)

62.2% of these sales are overseas.



R&D Expenses

billion yen

* FY2022 results (April 1, 2022 - March 31, 2023)
* Whole JSR Group, including contract research expense of goods purchased.

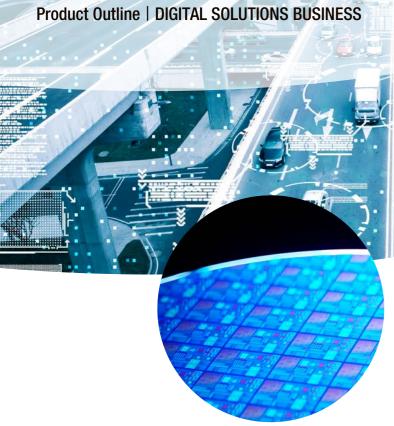
We are committed to research and development for future technologies.

Percentage of annual paid leave taken

We encourage a work-life balance.









As a global market leader of semiconductor materials, we take on the challenges of smaller design features and high-density integration of advanced semiconductor devices.

Semiconductor Materials

Semiconductor manufacturing requires a variety of high-performance materials for the formation of integrated circuits and high-density packaging. The JSR Group offers a comprehensive range of these materials and meets the needs of global, leading-edge semiconductor manufacturers. (**1)



Lithography Materials

Main Products Photoresists (g-line, i-line, KrF, ArF, EUV [CAR, MOR]), topcoat materials for immersion lithography, and spin-on hardmask materials (organic, inorganic)

Features It is used for fine processing of electronic elements and circuits on a substrate in the semiconductor manufacturing process and contributes to high-performance and shrinkage of semiconductor chips.



CMP Materials and Process Materials

Main Products CMP slurries, CMP cleaning solutions, and functional cleaning solutions

Features It is used in semiconductor manufacturing for chemical mechanical planarization (CMP) for planarizing thin films such as wiring or insulating layers, and for removing residues that can cause defects in multilayer wiring systems.



Display Materials

and low power consumption. (*1)

LCD Materials

The JSR Group supplies materials that meet various market needs for

LCD and next generation displays, which are indispensable for TVs, PCs,

and smartphones to achieve high image resolution, weight reduction,

Main Products Alignment film, organic insulation film, colored resist, protective film, and photosensitive spacer

Features It is used as a high-functional material in a number of films constituting LCD panels and contributes to higher image quality and lower power consumption.



OLED Materials

We are a world leader in materials that support

the evolution of the display market and ICT devices.

Main Products Encapsulation material, planarization layer, light extraction material,

pigment-dispersed resist, and low-temperature curable insulating film

Features It is used as a material to construct organic light-emitting diode (OLED) displays and oncell touch technology, which supports higher image quality and lower power consumption.



Advanced Packaging Materials

Main Products Thick layer plating photoresists for bumps and fine redistribution layers, photo-imageable dielectric materials, and low transmission loss materials for high speed 5G communication

Features It is used for wiring formation and bonding to a printed circuit board in the mounting process of semiconductor manufacturing, which is becoming increasingly dense and three-dimensional, and contributes to the higher performance and reliability of packaging systems for electronic devices.



Edge Computing Related Items

The JSR Group supplies materials that correspond to technical innovations for ICT, AI, and advanced mobile devices.



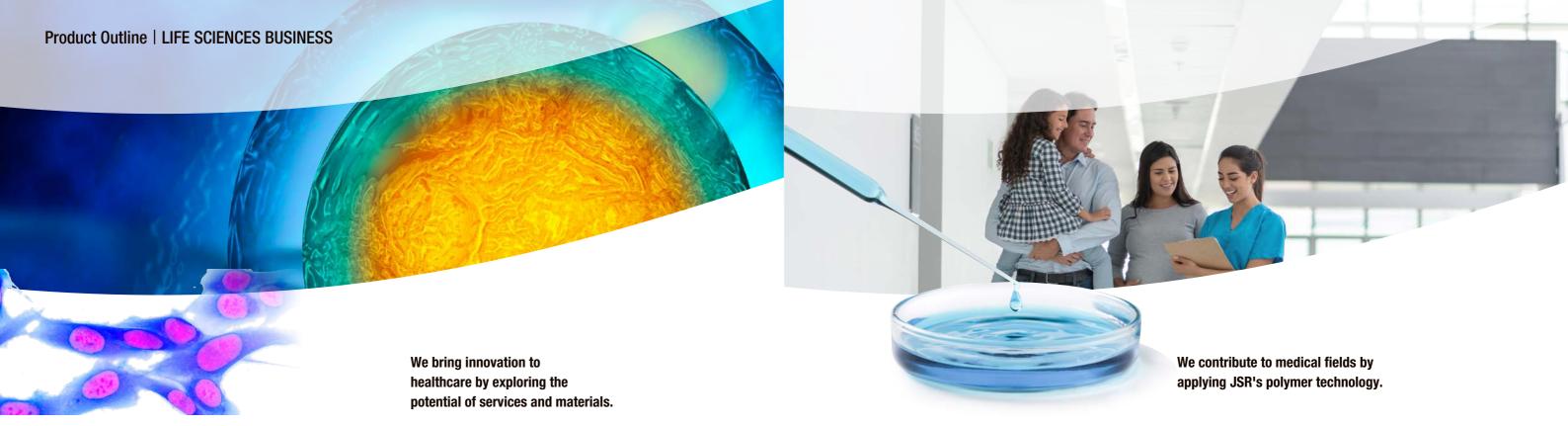
Heat Resistant Transparent ARTON™

Features It has a transparent resin with excellent optical properties, dimensional stability, and heat resistance.

It is applied to optical corrections for displays and camera modules that enable photographic imaging with natural colors.

(%1) The semiconductor materials business operates as a coalition of group companies including JSR Micro, Inc., JSR Micro N.V., and JSR Micro Kyushu Co., Ltd.

(%1) The display materials business operates as a coalition of Group companies such as JSR Micro Korea Co., Ltd., JSR (Shanghai) Co., Ltd., and JSR Micro Taiwan Co., Ltd.



Drug Discovery and Development Services

Two major challenges in the medical field are to extend healthy life expectancy and to control the expansion of medical costs. Therefore, the concept of "personalized medicine" and "the shift from treatment to prevention" has become important. The JSR Group is developing its business with the following two focus areas: the research & diagnostics area to support academic and commercials drug discovery and diagnostic-focused institutions, and the bioprocess area for biopharmaceutical companies.

In the drug discovery and development services of the JSR Group, we work on the CDMO business (development and manufacturing of biopharmaceuticals) and the CRO business (development of pharmaceutical products). We also work together with affiliate companies such as Crown Bioscience, Inc., MEDICAL & BIOLOGICAL LABORATORIES CO., LTD., Selexis SA, KBI Biopharma, Inc. to enable a global and coherent support network from drug discovery to manufacturing. Through this series of drug discovery and development support services, we will contribute to increase the probability of successful drug development and shortening the development timeline.

Bioprocess Products Research & Diagnostics Products

We contribute to the efficient development and production of biopharmaceuticals, such as antibody drugs, using bioprocess products and research & diagnostics products. Our products will also support more advanced disease diagnosis and preventive diagnosis.



Bioprocess Products

Main Products Protein A affinity chromatography resin Amsphere™ A3

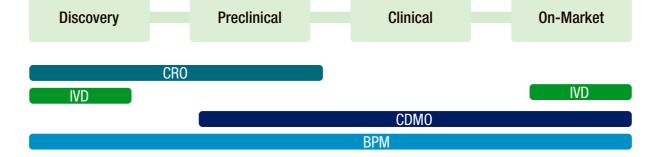
Features Amsphere™ A3 is a next generation Protein A chromatography resin that integrates precise polymer synthesis, surface modification, and genetic engineering technologies. It contributes to the optimization of downstream processing in the manufacture of biopharmaceuticals.



Research and Diagnostic Products

Main Products Magnetic microparticles, latex particles for immunodiagnostic reagents, and blocking reagents

Features It is used as an in vitro diagnostic reagent for the isolation and purification of biomaterials such as proteins, nucleic acids, and cells, and to improve the accuracy and efficiency of disease diagnosis that are key to personalized medicine.







Preclinical drug discovery and development services including translational platforms to advance oncology, immuno-oncology, and inflammation







Development and manufacturing of in vitro diagnostics reagents (IVD) including intermediate materials and research reagents (RUO)







biopharmaceuticals development services from cell line development, process development, to clinical /commercial API manufacturing





Development and manufacturing of process materials for biopharmaceuticals manufacturing



ABS and others

The JSR Group's ABS resin and other products are created with the technological capabilities to meet diverse needs and have unique characteristics that combine multiple properties. We are designing new products and supporting the production of parts, including the development of resins that demonstrate good appearance without painting and products with high secondary processability. We provide highly stable and value-added quality products to customers around the world. (**1)



General, Special, and Weather-Resistant ABS resins

Main Products Heat-resistant grade, weather-resistant grade

Features It is used in automotive parts, electrical appliances, and building material parts, taking advantage of its high practical resistance, impact resistance, processability, and weather resistance.



HUSHLLOY Anti-Squeak Material

Features HUSHLLOY prevents an unpleasant squeaking noise from plastic joints. This antisqueak effect lasts forever and reduces costs for additional parts. It is mainly used for car navigation panels, cup holders, etc.



PLATZON Plating Material

Features PLATZON has excellent plating adhesion strength and can be applied to an extremely wide range of production conditions, contributing to improved productivity and yield. It is mainly used for plating decorative parts for automobile interiors, such as steering wheels.



VIVILLOY Highly Colorable Material

Features VIVILLOY is a highly colorable material that reproduces depth and vividness close to that of painted materials, even without paint. It contributes to the omission of the painting process, reduction of total costs, and reduction of environmental impact. It is mainly used for automotive exterior parts, such as radiator grills.





Holter monitor Heartnote[™]

Features By simply affixing the device to the chest, ECG measurements can be taken continuously for up to seven days without interfering with daily life. This can enable more frequent detection of paroxysmal atrial fibrillation*, which can be difficult to detect with conventional tests (24-hour measurement).

 $\hbox{^*Arrhythmia that causes cerebral infarction}.$



High-performance Acrylic Emulsion

Features Through control of the polymer structure, a wide range of adhesive performance, from weak to medium-strong adhesion can be achieved, for adhesives such as masking tape. It can also form a very soft, continuous bubble foam used for sound absorbing materials for automobiles and anti-slip mats for home use.



Adhesives for PP* MIGHTY LOCK®

Features It is a material with high adhesive strength that does not require any pretreatment for PP, which is a difficult substrate to bond. The elimination of pretreatment saves labor in the process of joining dissimilar materials such as PP and various resins in the bonding of automotive parts

*Polypropylene resin



Stereolithography Systems

Main Products Industrial 3D printer, UV-curable resin Features Three-dimensional objects are prepared as slices in CAD, and the corresponding patterns are then used to build layers of UV-curable resin with a UV laser beam. The stereolithography system repeats these steps producing beautiful and extremely precise objects.

(%1) The plastics business is operated in cooperation with group companies such as Techno-UMG Co., Ltd.

JSR will continue to take on the challenge of advanced technology to provide solutions to social issues.

With deep expertise in its core polymer and precision manufacturing technologies, the JSR Group has widened the scope of its technological domains by integrating disparate fields such as photochemistry, inorganic chemistry, precision processing, and biotechnologies. Also, it is important for us to understand and pursue fundamental principles, including in-depth research into analysis and evaluation technologies. On this basis, the group has advanced R&D activities, and the accumulated efforts have enabled it to develop unique strengths relative to chemical companies worldwide, which is the driving force to expand our materials and technologies globally.

The JSR Group is conducting R&D activities to prepare for rapidly changing social needs, such as changes stemming from digital transformation, growing pressure for a carbon-free society, and increasing interest in personalized medicine and healthy longevity. There are two primary missions in the research division: to conduct Business Support Development in fields that are currently being developed and new or applied research in peripheral areas, and to conduct Next-generation Technology Research, such as seed research, where future growth is expected.

Our priority in Business Support Development is cooperating with the value chain within the JSR Group, from development to manufacturing, sales, and logistics. In addition to actively integrating R&D activities with business operations, such as emphasizing direct interaction with customers so that researchers can delve into their needs, we are building an ecosystem that can provide global and timely support for customers' businesses by enhancing technical services in each country in which we operate.

Regarding Next-generation Technology Research, we are accelerating overall R&D operations through the application of computer technology and data science, conducting research into the development of innovative materials with advanced functions and characteristics for the creation of new businesses, and exploring the theoretical understanding of JSR's product development at JSR-UTokyo Collaboration Hub, CURIE. Especially in new fields, we are supporting open innovation such as joint research with domestic and international academic research institutes. In the life science field, the JSR-Keio University Medical Chemistry Innovation Center (JKiC) is working in a variety of research areas by combining medical perspectives with our knowledge of materials development. Furthermore, JSR Bioscience and Informatics R&D center (JSR BiRD) was established at King Skyfront, an international strategic base in Tonomachi, Kawasaki City, Kanagawa Prefecture, as an open innovation center for next-generation medicine and materials informatics, working to create value for the future and contribute to a safe, secure, and prosperous digital and sustainable society with a low environmental impact.



JSR Bioscience and informatics R&D center(JSR BiRD)



Fine Electronic Materials Development Center







Production Technologies / Process Development

Essential high-level technologies for all of our business domains

Once our researchers have developed new materials, our production technology group takes over the commercial manufacturing process, taking them from the research laboratory to the manufacturing facility.

The key requirements at this stage are not only to produce capability and quality, but also to ensure low manufacturing costs through safe and simple processes. Our laboratories generate materials with amazing properties, but those materials will not be accepted by the market unless they can also be produced reliably and economically. An outstanding material in the laboratory may fail to work properly at the commercial production stage.

Our approach to competitiveness is not only to enhance our advantage in terms of technology and performance, but also to balance reliable product performance and profitability. We capture the business opportunities of newly developed materials by combining optimal processes, facilities, and R&D results.





Production

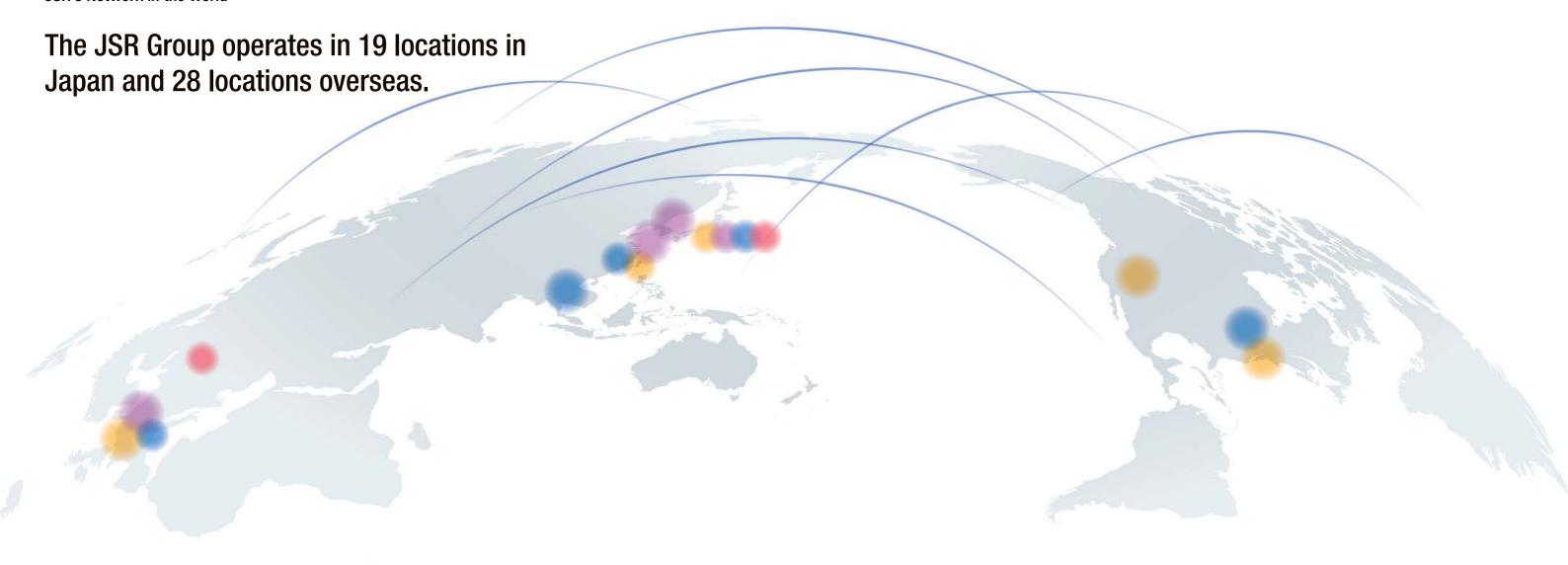
We ensure high-quality materials in safe, environment-friendly plants

We have a responsibility to stably supply newly developed materials. We conduct production operations in Japan and various countries around the world to support market and customer requirements. Safety, environmental conservation, and high-quality products are our priorities. With these as a constant focus, we develop our processes to maintain consistent and reliable operations. Also, JSR proactively undertakes Responsible Care® activities and consistently implements and improves measures related to safety, health, and the environment.

The Technical Departments are in charge of improving these manufacturing technologies daily by detecting and solving overt problems during the production process. All JSR plants have acquired ISO 9001 and ISO 14001 of the Quality and Environmental Management System certification and are working to ensure a stable supply of products and to continuously improve production activities.







DIGITAL SOLUTIONS BUSINESS

- JSR Corporation Head Office
- JSR Bioscience and informatics R&D center (JSR BiRD)
- JSR Micro N.V.
- JSR North America Holdings, Inc.
- JSR Corporation Yokkaichi Plant
- Emulsion Technology, Co., Ltd.
- D-MEC LTD.
- JSR ARTON Manufacturing Co., Ltd.
- JSR Micro Kyushu Co., Ltd.
- JSR Electronic Materials Singapore Pte. Ltd.
- JSR Electronic Materials (Shanghai) Co. Ltd.
- Inpria Corporation
- JSR Electronic Materials Taiwan
- EUV Resist Manufacturing & Qualification Center N.V.
- JSR Micro Korea Co., Ltd.
- JSR Electronic Materials Korea Co., Ltd.
- JSR (Shanghai) Co.Ltd.
- JSR Micro (Changshu) Co.Ltd.
- JSR Micro Taiwan Co., Ltd.
- JSR Micro, Inc.

LIFE SCIENCES BUSINESS

- JSR Corporation Head Office
- JSR Bioscience and informatics R&D center (JSR BiRD)
- JSR Micro N.V.
- JSR North America Holdings, Inc.
- JSR Corporation Tsukuba site and Research Laboratories
- JSR-Keio University Medical and Chemical Innovation Center (JKiC)
- JSR Life Sciences Corporation
- MEDICAL & BIOLOGICAL LABORATORIES CO., LTD.
- Crown Bioscience & MBL Co., Ltd.
- KBI Biopharma BVBA
- Selexis SA
- KBI Biopharma, SA
- MBL Beijing Biotech Co., Ltd.
- MBL Shenzhen Biotech Co., Ltd.
- KBI Biopharma, Inc.
- MBL International Corporation
- Crown Bioscience International
- JSR Life Sciences, LLC

PLASTICS BUSINESS

- JAPAN COLORING CO., LTD.
- Techno-UMG Co., Ltd.
- ●Techno-UMG Europe GmbH
- Techno-UMG Shanghai Co., Ltd.
- Techno-UMG Guangzhou Co., Ltd.
- Techno-UMG Hong Kong Co., Ltd.
- Techno-UMG ASIA Co., Ltd.
- Techno-UMG America, Inc.

OTHER BUSINESSES

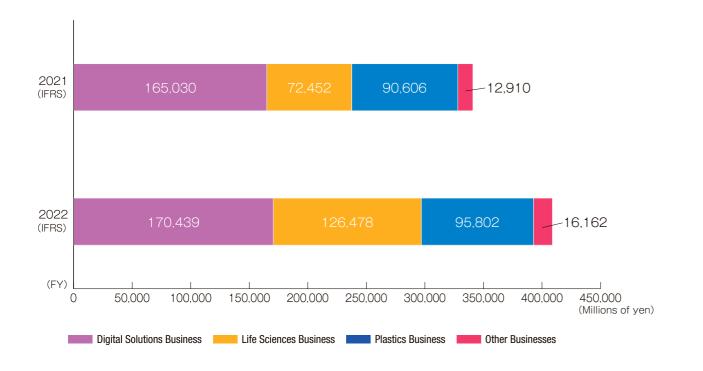
- JSR Corporation Head Office
- JSR Business Services Co., Ltd.
- JN System Partners Co., Ltd.
- JSR Logistics & Customer Center Co., Ltd.
- JEY-TRANS CO., LTD.
- JSR Active Innovation Fund LLC

■ Date of Establishment	December 10, 1957	
■ Capital	¥23,370 million	
■ Total Number of Group Employees	7,994 As of March 31, 2023	

■ Directors and Officers

Representative Director,	Outside Director	Managing Officer	Senior Officer	Officer
CEO and President	Tadayuki Seki	Koichi Hara	Kazumasa Yamawaki	Yasufumi Fujii
Eric Johnson	David Robert Hale	Makoto Doi	Mikio Yamachika	Yutaka Yoshimoto
	Masato lwasaki	Seiji Takahashi	Tim Lowery	Hiroaki Tokuhisa
Representative Director and Managing Officer	Kazuo Ushida		Keisuke Wakiyama	Khashayar (Hash) Pakbaz
Koichi Hara	-		Ichiko Tachibana	Kenichi Emoto
	Standing Audit &		Toru Kimura	Motoyuki Shima
Director	Supervisory Board Member			Kentaro Yamamoto
Seiji Takahashi	Tomoaki lwabuchi			Armin Spura
Ichiko Tachibana				Jeffrey Mowery
Kenichi Emoto	Outside Audit & Supervisory Board Member			
	Junko Kai			
	Takaaki Tokuhiro			

■ Revenue by Business Segment



JSR Corporation

Head Office

Shiodome Sumitomo Bldg. 1-9-2 Higashi-Shimbashi, Minato-ku, Tokyo 105-8640 Japan

Tel:81-3-6218-3500 Fax:81-3-6218-3682

Tsukuba Site

25, Miyukigaoka, Tsukuba-shi, Ibaraki

305-0841 Japan Tel:81-29-856-1001 Fax:81-29-856-1003

Yokkaichi Plant

100, Kawajiricho, Yokkaichi-shi, Mie

510-8552 Japan Tel: 81-59-345-8000 Fax: 81-59-345-8111

Fine Electronic Materials Development Center Display Solution Development Center Edge Device Materials Lab.

100, Kawajiricho, Yokkaichi-shi, Mie

510-8552 Japan Tel:81-59-345-8084 Fax:81-59-345-8118

Tsukuba Research Laboratories

25, Miyukigaoka, Tsukuba-shi, Ibaraki

305-0841 Japan Tel:81-29-856-1001 Fax:81-29-856-1003

JSR-Keio University Medical and Chemical Innovation Center (JKiC)

35, Shinanomachi, Shinjuku-ku, Tokyo

160-8582 Japan Tel:81-3-6274-8602 Fax:81-3-6274-8649

JSR Bioscience and informatics R&D center (JSR BiRD)

3-103-9, Tonomachi, Kawasaki-ku, Kawasaki-shi, Kanagawa 210-0821 Japan

Tel:81-44-874-1930 Fax:81-44-299-2150

https://www.jsr.co.jp/

