



CORPORATE PROFILE

RISO KAGAKU CORPORATION

Creating Fundamentally Unique Products





RISO KAGAKU CORPORATION (RISO) is a development-oriented company that provides unique products and services in the paper communication field.

Founded in 1946 as a mimeograph printing company, RISO subsequently commenced the development and manufacture of ink. Guided by its development policy of "Creating fundamentally unique products," RISO worked to develop new products and transformed the content of its business from producing office supplies toward being a manufacturer of printers. Currently, our mainstay *RISOGRAPH* digital duplicators and *ComColor* high-speed color printers are used widely in over 190 countries and regions worldwide.

RISO aims to create truly essential value that people might not even be aware of and transform this value into tangible products and services. By anticipating changes in the times, we seek to provide attractive products that strongly appeal to people's senses, making them realize that a certain product was in fact what they wanted and is extremely useful.

RISO will continue to take on the challenge of creating new products and services to pursue the possibilities of new print work and ensure the satisfaction of customers the world over.

Akira Hayama
President & CEO





Refuting conventional wisdom in color printing and broadening the possibilities of business through the world’s highest speeds and unique color solutions—ComColor

— Realizing office environments for large-volume color printing without cost concerns —

In the latter half of the 1990s, a common assumption was that “color printing is costly and time consuming.” At this time, monochrome printers were the main type of printers used in offices, while color printers, which had high printing unit costs, were still out of reach.

RISO’s *ComColor* high-speed color printers shattered this assumption and “made color even more accessible” with the same ease as monochrome printing. Thoroughly pursuing high speed and economic efficiency, *ComColor* achieves the world’s fastest printing speed of 165 pages*¹ per minute and has a low running cost of 1.51 yen*² per page even for color printing. *ComColor* enables easy large-volume printing of previously unaffordable materials, including color leaflets with photos and presentation materials containing easy-to-read color-keyed graphs, without having to worry about costs. The unrivaled potential of *ComColor* ensures flexible handling of a wide range of print jobs, from conference materials and business forms to manuals, pamphlets, posters, direct mail materials and educational tools.

ComColor enables higher-grade, efficient print work and is being used in an extensive range of business settings around the world.

*¹ Available on *ComColor GL9730*. A4 long-edge feed, simplex, continuous printing in standard density setting, and using the Face Down Tray. Based on office color printers commercially available as of March 2023 (Source: Data Supply Inc.). These printers have continued to extend their record for the world’s highest print speed since being launched in 2003.

*² A4 long-edge feed, simplex printing, using *RISO GL F* ink. Uses color pattern with 300dpi resolution that was designated by ISO/IEC24712 for measurement image and calculated using RISO’s original measurement method based on ISO/IEC24711. Uses monochrome pattern with 600dpi resolution that was designated by ISO/IEC19752 for measurement image and calculated using RISO’s original measurement method based on ISO/IEC24711. Cost of paper is separate.



High-speed color printers
ComColor™





RISOGRAPH



Used widely in over 190 countries and regions around the world, *RISOGRAPH* significantly expands the potentials of stencil printing.

— Enables easy high-speed and large-volume printing at low cost. —

The origin of the *RISOGRAPH* series is the mimeograph, a kind of stencil printing style reputed to be invented by Thomas Alva Edison. Over long years, RISO has continued to place emphasis on stencil printing technology. Stencil printing is a printing method that involves perforations in a master and pressing ink through the holes to transfer an image onto paper. Although this is an extremely simple process, producing the masters and carrying out printing requires significant amounts of time and labor.

To overcome these issues, RISO developed the all-new *RISOGRAPH* digital duplicator by fusing the principles of stencil printing in 1980 with its unique technology. These digital duplicators can be operated as easily as copiers by anyone without staining one's hands with ink. Compared with regular office printers, *RISOGRAPH* is exceptional in terms of cost and speed when printing the same document in high volume and can also handle a wide variety of paper quality and weights.

The *RISOGRAPH* features of "high-speed, large-volume printing, easy operation and low cost" have received broad support and this product is currently being used at educational institutions, government and public agencies, companies and stores in over 190 countries and regions of the world. RISO is continually advancing the *RISOGRAPH* series to respond to diverse requirements worldwide. Moreover, RISO will not only strengthen the *RISOGRAPH* from a functional perspective but will also enhance environmental performance such as by curbing power consumption.

Digital Duplicators

RISOGRAPH



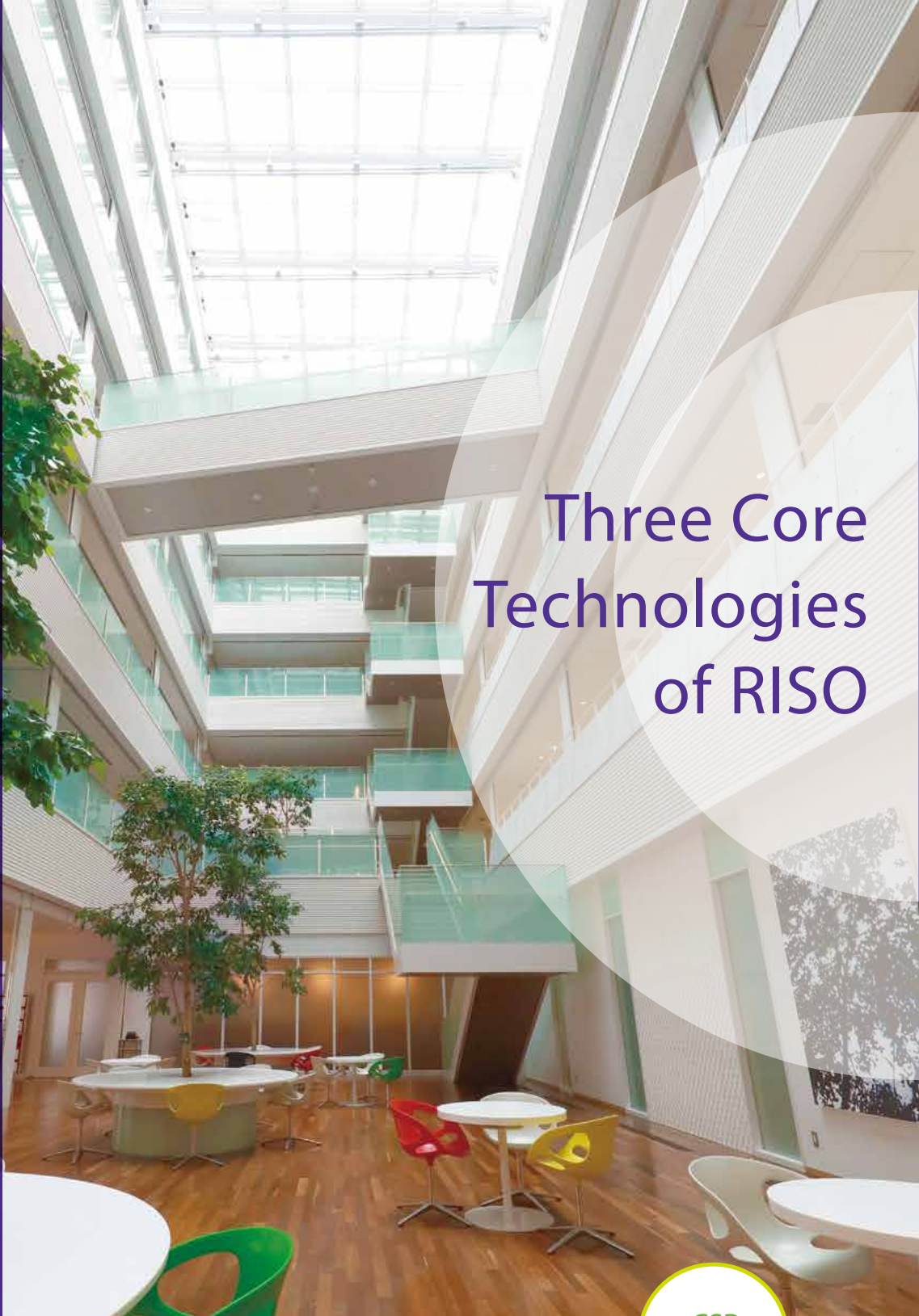


Business Activities

R&D

Our development policy is "Creating fundamentally unique products." RISO's innovative manufacturing generates new value to create useful products.

Riso Research and Design Center



Three Core Technologies of RISO

CSR
in development

RISO INK FII TYPE Obtains the First "Ink Green Mark" for Stencil Printing Ink

RISO INK FII TYPE, a consumable for the *RISOGRAPH SF E II* series of digital duplicators, obtained the "ink green mark," the first in the industry for stencil printing ink. This ink acquired the highest-rank certification for the "ink green mark," which sets a three-step certification standard based on the ratio of biomass* in printing ink. In this way, RISO's product manufacturing that aims to reduce environmental burdens was highly acclaimed.

* Biomass: renewable biologically derived organic raw materials



RISOGRAPH SF E II series



In 1954, RISO succeeded in developing *RISO INK* as the first domestically produced emulsion ink. Since then, RISO has worked to develop a variety of ink technologies that create the “speed” and “beauty” of printers.



Ink Development Technology

ComColor™



Oil-based ink supports the world's highest-speed color printing.

Office and home-use inkjet printers use water-based inks. With water-based inks, the paper absorbs water and deformations such as waves and curls easily arise, which can easily lead to folds and wrinkles in high-speed printing. In contrast, oil-based inks used by *ComColor* cause no deformities immediately after printing and enable a smooth paper-feeding process, making oil-based inks suitable for high-speed printing.

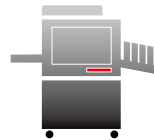


Oil-based pigment ink for minimal paper deformation



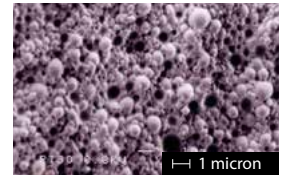
Deformations such as waves and curls easily arise with water-based ink.

RISOGRAPH



RISO developed Japan's first emulsion ink.

The *RISOGRAPH* uses emulsion ink that utilizes the actions of a surfactant (emulsifier) to preserve the two incompatible substances of oil and water in a stable liquid state. Some familiar examples of products using emulsifiers include mayonnaise, butter, milk, cosmetics cream and wood glue. RISO succeeded in developing an emulsion ink that does not dry out inside the printer, yet dries quickly after printing by optimizing the formulation balance of oil, water and pigment as well as the processing conditions.



Magnified photograph of emulsion ink



Successful development of world's first rice ink

RISO has developed the world's first stencil ink that contains domestically produced rice bran oil. By effectively utilizing ordinarily discarded rice bran as a resource, RISO realized an environmentally conscious ink while raising the quality of ink.





High-Speed Paper Feeding System Technology

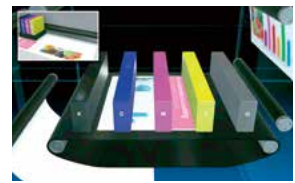
“High-speed paper feeding system technology” that realizes “large-volume and high-speed printing” cultivated over long years in *RISOGRAPH* duplicators has also been integrated into *ComColor* high-speed color printers. We have continued to advance this technology as one of RISO’s core technologies.



Realizes the world’s fastest speed of 165 pages*1 per minute through reliable paper feeding technologies.

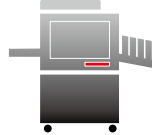
ComColor is a full-color high-speed printer that applies ink drops to paper fed at high speeds under an inkjet printing head. Timing mismatches between paper feeding and printing head ink discharging will result in poor image printing quality. Therefore, the accuracy of paper feeding is the key to realizing the world’s fastest print speed, which is the chief characteristic of the *ComColor*.

*1 Available on *ComColor GL9730*. A4 long-edge feed, simplex, continuous printing in standard density setting, and using the Face Down Tray. Based on office color printers commercially available as of March 2023 (Source: Data Supply Inc.).



In-line inkjet printing heads arranged in parallel

RISOGRAPH



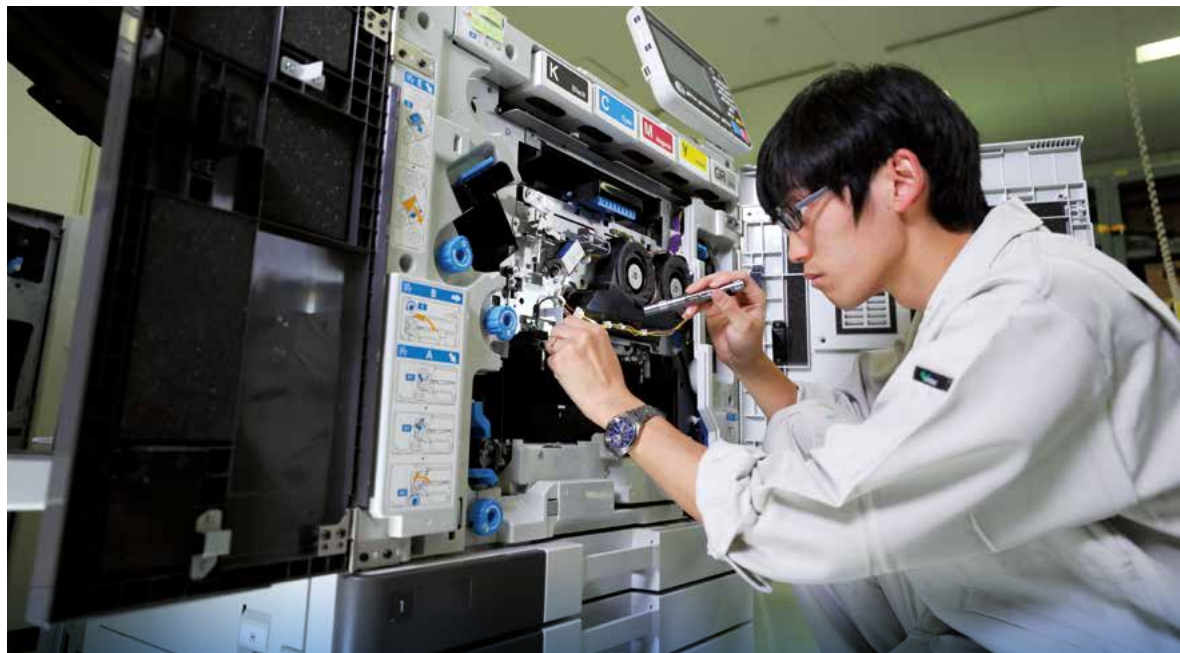
High-speed paper feeding system technology cultivated over long years realizes the incredibly fast speed of 190 pages*2 per minute.

RISOGRAPH utilizes a stencil printing technique. With this technique, a master that is the basis of printing is wrapped around the print drum. Printing is performed by pressing and transferring images underneath paper fed at high speed under the rotating print drum. After the image transfer, the paper attached to the drum is quickly removed and sent to the paper receiving tray. This method smoothly performs a series of operations and applies ink uniformly, which has enabled high-quality printing with no irregularities.

*2 *RISO SF* series, high speed mode, paper feed tray.



Paper is fed under the drum at high speed.

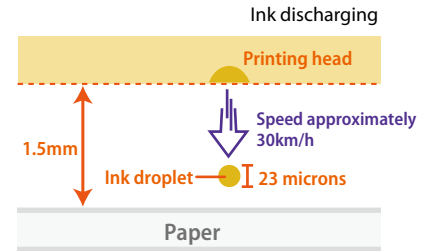


To raise print speed and print quality, developing consumables matched to the features of hardware and alternatively developing hardware compatible with the characteristics of consumables are extremely crucial. RISO undertakes such development that matches hardware and consumables as it continually works toward printing process optimization.



Developing printers matched to the characteristics of oil-based ink

To realize fast printing with high image quality, it is necessary to control microscopic ink droplets from the inkjet printing head to ensure the droplets are sprayed rapidly and applied accurately. We evaluate the flight condition of the ink droplets and verify a variety of conditions and combinations as we optimize the printing process to ensure stable and high-speed printing.



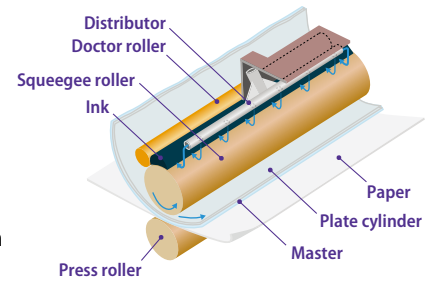
The ink discharges from the inkjet printing heads like a water gun onto the paper 1.5mm away at a speed of 7-10 meters per second (30km/h).



Developing printers matched to the characteristics of emulsion ink

Continually maintaining stable print quality of *RISOGRAPH* used around the world in a variety of climates and environments is a crucial issue. For this reason, RISO thoroughly evaluates the printing quality of its products for a range of print environments that include normal office environments.

Ink has the properties of softening in hot conditions and hardening when it is cold. To ensure uniform printing quality in accordance with these changes in ink properties, the *RISOGRAPH* hardware is automatically controlled.



Multi-layer structure of the print drum that uniformly transfers an optimal amount of ink

Printing Process Optimization





Business Activities

Production



Building a global supply chain to provide to customers worldwide

The RISO brand is earning high acclaim throughout the world. Besides domestic manufacturing bases in Ibaraki Prefecture and Yamaguchi Prefecture, RISO has set up overseas manufacturing bases in China and Thailand. As it proceeds with the globalization of its production, RISO is also deploying its domestic production technologies overseas and is providing technical guidance at overseas manufacturing bases to ensure the smooth startup of production and to maintain mass production. RISO is building a global supply chain and is thoroughly pursuing the essence of manufacturing amid all flows of business ranging from the procurement of materials to shipments.

As one initiative in this area, RISO has introduced concurrent engineering techniques aimed at sharing and quickly resolving various issues. The production departments collaborate with the development departments





Tsukuba Works

CSR in production



A recycled product molded with a *RISOGRAPH* ink bottle

Promoting reuse and recycling

RISO does everything possible to reuse products and components. Products are collected and then gathered at the RISO Parts Center and only those reusable parts that meet stringent quality standards after collection are used. RISO has attained a reuse and recycling rate of 99%*.

Used digital duplicators are disassembled and separated into reusable components and consumables. Only those reusable components that pass RISO's strict quality assurance standards are used in products. Collected used ink bottles are processed into small pellets and reused in a portion of ink bottles or as new plastic products.

Used ink cartridges for *ComColor* are separated according to material. Exterior paper is recycled as raw material for paper making and other components of these bottles are recycled as shipping pallets and alternative fuel.

(*Calculated from fiscal 2021 production results)

the best quality

from an early stage of R&D and are building a production structure capable of undertaking highly efficient mass production with stable quality.

To maintain mass production and standardize quality, we also use 3D CAD to design and undertake in-house production of jigs (a production tool). RISO also carries out simulations to ensure that overall production flows smoothly and also performs production line design.

In production planning as well, the sales departments and the production departments share market data that has been closely analyzed and flexibly execute planning. By producing necessary products in the required amounts when needed, RISO is flexibly responding to market needs while working to conserve resources and energy and to reduce the environmental burden.



In-house manufacturing of assembly jigs for inkjet printing heads



Business Activities

Overseas Business Development



Stable consumable supply and maintenance high evaluation from customers worldwide.

RISO's overseas business started on a full-scale basis in 1986, spurred by the strong desire of founder Noboru Hayama for RISO's *RISOGRAPH* to be of practical use in the field of school education around the world for the benefit of children, the leaders of tomorrow. Since then, RISO's products have been used by educational institutions, government and public agencies, companies and local communities in over 190 countries and regions that include Europe, the Americas, Asia, the Middle East and Africa. The name RISO has become synonymous with digital duplicators (stencil printers) and is known widely around the world.

We attribute our outstanding evaluation not only to the excellence and high quality of product performance but also to our enhanced consumable supply and maintenance systems. Customers are able to use our products with reassurance and for long periods of time thanks to the introduction of a





drupa 2016, the largest printing equipment exhibition in the world (Germany)

New Brand **VALEZUS**

Rolling Out VALEZUS as a Brand for the Production Printing Market

From 2019, RISO began rolling out VALEZUS as a new brand of high-speed inkjet printers for the production printing market in North America and Europe. The VALEZUS T2200 inkjet printer realizes high-speed color duplex printing on A4-size paper at a speed of 330 pages per minute. The introduction of this brand of printers expands new possibilities for high-speed inkjet printers in high-volume printing applications in the small- and medium-sized printing and data output industries, the financial and insurance industries and at private companies and government offices. The printer was also released into the Japanese market in 2021.



VALEZUS T2200

systems lead to

comprehensive consumable supply system and top maintenance system that complements the outstanding reliability of our hardware technology.

Only those dealers that have strong maintenance capabilities become RISO's business partners. In addition, we provide technical training at technical training centers in Japan, the United States and the United Kingdom as we strive to improve our maintenance capabilities at all times.

The same finely tuned solutions business that we provide in Japan together with a global network that links approximately 2,800 RISO Group employees, including 23 overseas subsidiaries, and our dealers enable us to earn the trust of numerous customers.

Our aim is to realize true globalization rather than mere internationalization. It is our hope that the RISO brand is still going strong when the world becomes one, transcending borders as well as cultures, languages and customs.

History

1946 Establishment of the Company as "RISO"



Founder Noboru Hayama

Founder Noboru Hayama began a mimeograph printing service under the business name "Riso-Sha" in Setagaya, Tokyo, Japan.

1954 Development of Japan's first emulsion ink



RISO INK

Success was achieved in the development of *RISO INK*, marking the Company's first step toward becoming a manufacturer.

1977 Launch of unprecedented hit product *PRINT GOCCO*

This product gained immense popularity and became an indispensable tool for creating New Year's greeting cards.



Demonstration sales of *PRINT GOCCO* at a department store

1986 Introducing *RISOGRAPH* at education venues worldwide

Starting with the establishment of our first overseas subsidiary RISO, INC. in Massachusetts, the United States, the Company set up bases in various countries, signaling the beginning of full-fledged international expansion.

1980 Birth of *RISOGRAPH* stencil printer



RISOGRAPH FX7200/AP7200

The Company successfully developed the ground-breaking *RISOGRAPH* printer, capable of performing high-volume printing automatically, marking the transition into a comprehensive printing equipment manufacturer.

2003 Birth of the world's fastest color printer *ComColor*

This year saw the introduction of *ComColor HC5000*, a high-speed color printer that combines unparalleled speed and cost-efficiency.



A showcase of new products at Tokyo International Forum in 2003

2013 Riso Research and Design Center established as new development base

Riso Research and Design Center was established in Tsukuba City, Ibaraki Prefecture, consolidating the Company's development facilities.



Riso Research and Design Center

2021 Start of *School Relation*, an app facilitating seamless communication between school and caregiver

In addition to providing equipment that supports paper communication, the Company also began assisting educational institutions from the perspective of digital communication.



School Relation app

2019 New brand *VALEZUS* launched for the production printing market

The high-speed cut-sheet inkjet printer *VALEZUS T2100*, capable of printing 320 pages per minute, was released worldwide.



VALEZUS T2100

For details, please access this Website
<https://www.riso.co.jp/english/company/history/>



Materiality (Key Contribution to SDGs)

RISO contributes to the SDGs from three perspectives: Economy, Society, and Environment with the aim of realizing a sustainable society.

Theme
1

Economy

We create and provide values to meet our customers' needs.

We have the policy "We create fundamentally unique products" to contribute to improving productivity, economic efficiency, and conveniences for our global customers through our products and services.



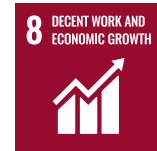
ECONOMY

Theme
2

Society

We highly value social connection.

We enhance social connections with local communities and schools through our products and services. We always make fair and transparent procurement by complying with laws and regulations and promoting partnerships with our suppliers. Each employee promotes good health and tries hard to make a corporate culture where we overcome challenges and continue to grow further.



SOCIETY

Theme
3

Environment

We contribute to preserve the global environment.

We develop products that can be used by customers for a long time while reducing environmental impact. We endeavor to contribute to global environmental protection in order to bestow a fair and sound environment to coming generations.



ENVIRONMENT



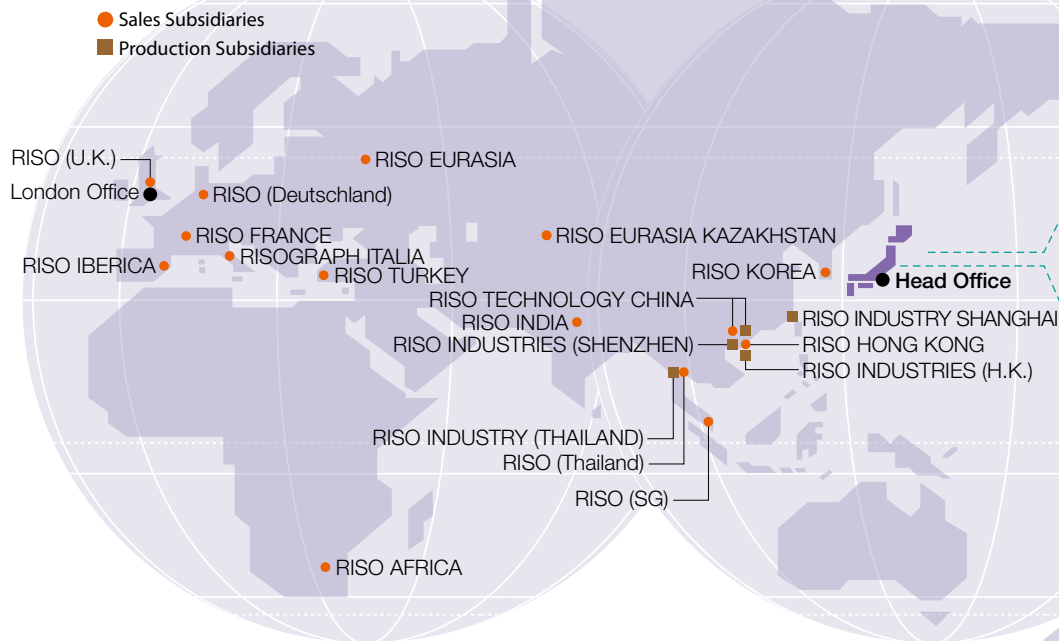
For details, please access this Website
<https://www.riso.co.jp/english/company/sdgs/>



RISO Today

RISO Network (as of March 31, 2023)

Overseas



Corporate Data

Corporate Name:	RISO KAGAKU CORPORATION
President & CEO:	Akira Hayama
Head Office:	5-34-7 Shiba, Minato-ku, Tokyo 108-8385, Japan
Established:	September 2, 1946
Incorporated:	January 25, 1955
Paid-in Capital:	14,114,985,384 yen
Stock Listing:	Tokyo Stock Exchange Prime Market (Code: 6413)
Number of Employees:	1,600 (2,865 for the RISO Group) (as of March 31, 2023)
Subsidiaries:	26 companies (Domestic: 3 Overseas: 23)
Main Banks:	Kiraboshi Bank, Ltd., Sumitomo Mitsui Banking Corporation, MUFG Bank, Ltd., Sumitomo Mitsui Trust Bank, Ltd.

Board of Directors, Auditors and Executive Officers

[Board of Directors and Auditors]

President	Akira Hayama
Director	Shoichi Ikejima
Director	Toshihiko Kawatsu
Director	Toshiaki Yatabe*
Director	Kaeko Gondo*
Director	Hidetoshi Watabe*
Standing Auditor	Hideya Ebita
Standing Auditor	Kazutoyo Suzuki
Auditor	Yoshinari Iizuka*
Auditor	Masaya Nara*

(as of June 27, 2023)

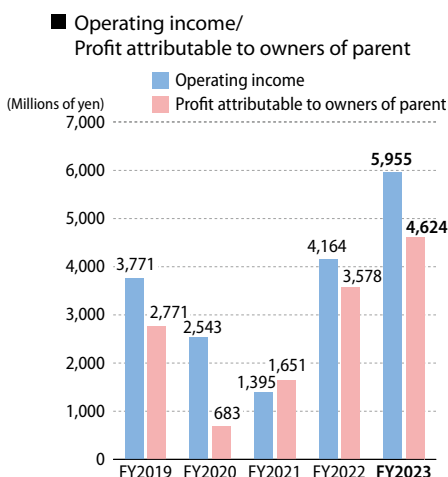
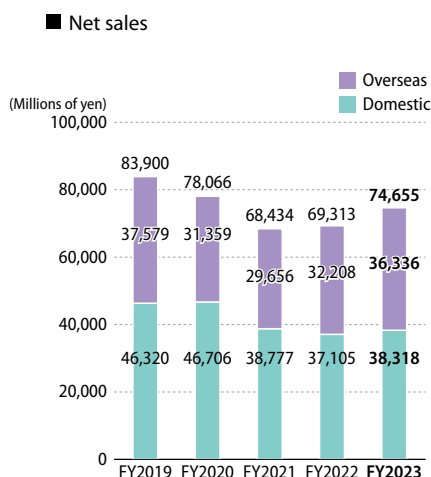
[Executive Officers]

CEO	Akira Hayama
Executive Officer	Shoichi Ikejima
Executive Officer	Toshihiko Kawatsu
Executive Officer	Kenji Oshima
Executive Officer	So Suzuki
Executive Officer	Akimasa Kasuya
Executive Officer	Yoshiomi Narumiya
Executive Officer	Takehiko Nishiyama
Executive Officer	Hiromasa Nakajima
Executive Officer	Hidetoshi Miura
Executive Officer	Shigeharu Fujita
Executive Officer	Kazuhiro Kato
Executive Officer	Fumiya Tomiyama
Executive Officer	Kentaro Harada
Executive Officer	Hideki Akiyama

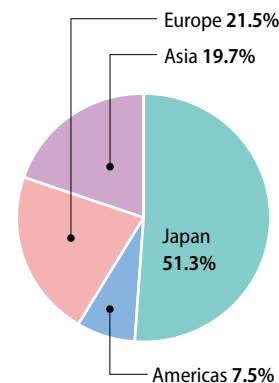
(as of June 27, 2023)

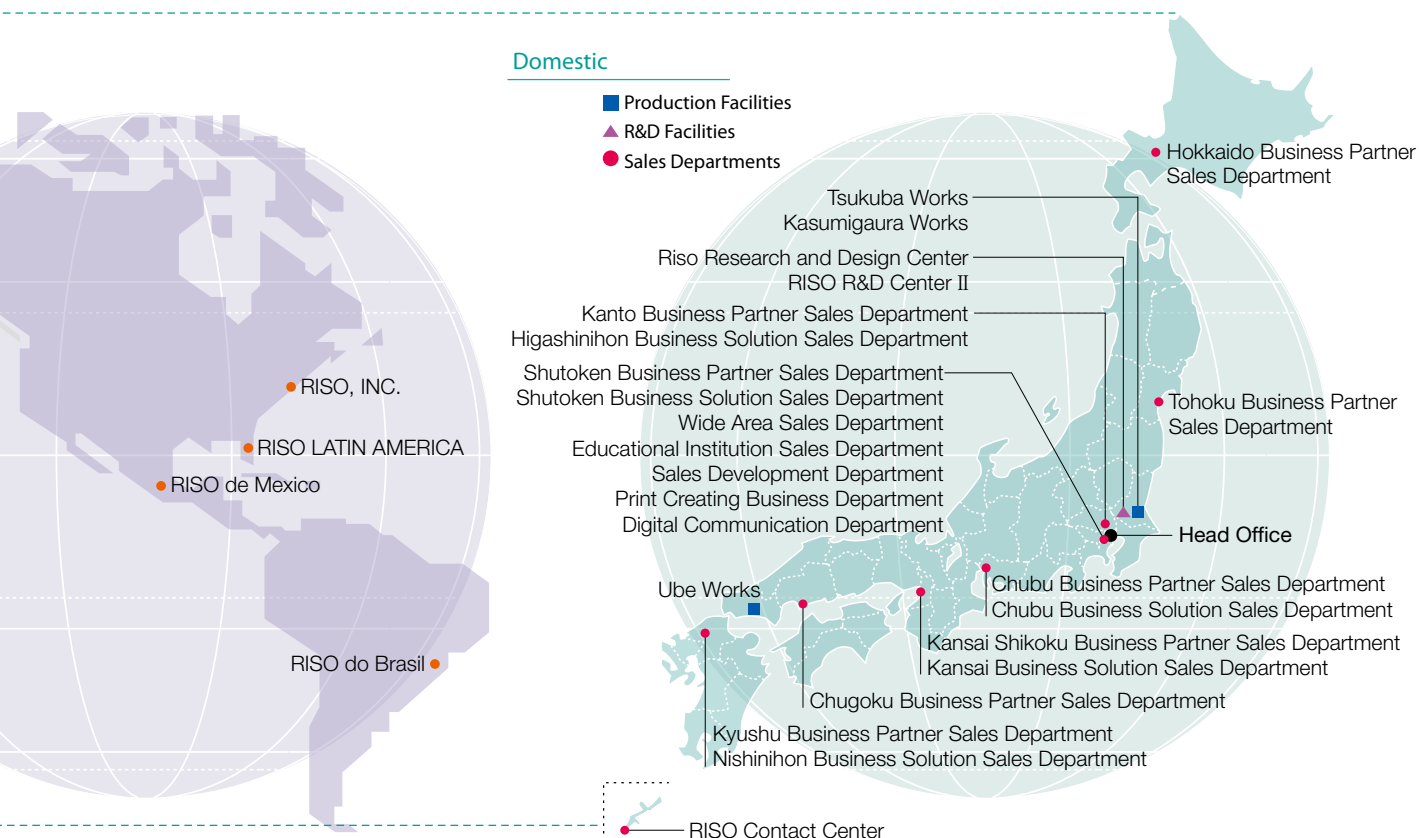
Note: "*" refers to outside directors and outside auditors, as stipulated under Item 15 and 16 of Article 2 of the Corporate Law.

Financial Highlights Note: Amounts less than the unit expressed are omitted.



Sales by region (fiscal year ended March 31, 2023)





● Overseas Main Subsidiaries

RISO, INC.
 RISO LATIN AMERICA, INC.
 RISO de Mexico, S.A. de C.V.
 RISO do Brasil Ltda.
 RISO (U.K.) LTD.
 RISO (Deutschland) GmbH
 RISO FRANCE S.A.
 RISO IBERICA, S.A.
 RISOGRAPH ITALIA S.R.L.
 RISO EURASIA LLC
 RISO EURASIA KAZAKHSTAN LLC
 RISO TURKEY BASKI COZUMLERI A.S.
 RISO AFRICA (PTY) LTD.
 RISO INDUSTRIES (H.K.) LTD.
 RISO INDUSTRIES (SHENZHEN) LTD.
 RISO TECHNOLOGY CHINA CO., LTD.
 RISO INDUSTRY SHANGHAI CO., LTD.
 RISO HONG KONG LTD.
 RISO (Thailand) LTD.
 RISO INDUSTRY (THAILAND) CO., LTD.
 RISO INDIA PRIVATE LTD.
 RISO KOREA LTD.
 RISO (SG) PTE. LTD.

● Facilities in Japan

- Head Office
- Production Facilities
 - Tsukuba Works
 - Kasumigaura Works
 - Ube Works
- R&D Facilities
 - Riso Research and Design Center
 - RISO R&D Center II
- Sales Departments
 - Hokkaido Business Partner Sales Department
 - Tohoku Business Partner Sales Department
 - Kanto Business Partner Sales Department
 - Higashinohon Business Solution Sales Department
 - Shutoken Business Partner Sales Department
 - Shutoken Business Solution Sales Department
 - Wide Area Sales Department
 - Educational Institution Sales Department
 - Sales Development Department
 - Chubu Business Partner Sales Department
 - Chubu Business Solution Sales Department
 - Kansai Shikoku Business Partner Sales Department
 - Kansai Business Solution Sales Department
 - Chugoku Business Partner Sales Department
 - Kyushu Business Partner Sales Department
 - Nishinohon Business Solution Sales Department
- Offices
 - Kansai Business Solution Sales Department
 - Chugoku Business Partner Sales Department
 - Kyushu Business Partner Sales Department
 - Nishinohon Business Solution Sales Department
 - RISO Contact Center
 - Print Creating Business Department
 - Digital Communication Department
 - Sapporo Business Office
 - Sendai Business Office
 - Niigata Business Office
 - Maebashi Business Office
 - Saitama Business Office
 - Kumagaya Business Office
 - Tsukuba Business Office
 - Chiba Business Office
 - Tokyo Business Office 1
 - Tokyo Business Office 2
 - Tokyo Business Office 3
 - Tokyo Educational Institution Business Office
 - Tokyo Public Institution Business Office
 - Kanagawa Business Office
 - Tama Business Office
 - Nagoya Business Office
 - Mikawa Business Office
 - Shizuoka Business Office
- CE Offices/CE Stations
 - Hamamatsu Business Office
 - Kanazawa Business Office
 - Mie Business Office
 - Osaka Business Office
 - Kyoto Business Office
 - Kobe Business Office
 - Hiroshima Business Office
 - Fukuoka Business Office
 - Kumamoto Business Office
 - Kagoshima Business Office
 - Morioka CE Office
 - Tokorozawa CE Office
 - Tokyo CE Station
 - Asakusa CE Office
 - Kawasaki CE Office
 - Sagamihara CE Office
 - Atsugi CE Office
 - Kansai CE Station
 - Osakanishi CE Office
 - Nara CE Office
 - Okayama CE Office
 - Kitakyushu CE Office
 - Okinawa CE Office
- Sales Subsidiary
 - RISO OKINAWA CORPORATION

Note: Certain products and initiatives that are introduced in this corporate profile apply to the Japanese market only.



RISO KAGAKU CORPORATION

5-34-7 Shiba, Minato-ku, Tokyo 108-8385, Japan

<https://www.riso.co.jp/english/>

RISO KAGAKU Corp. Official social media accounts



Here is a list of official social media accounts.
<https://www.riso.co.jp/english/sm/>

