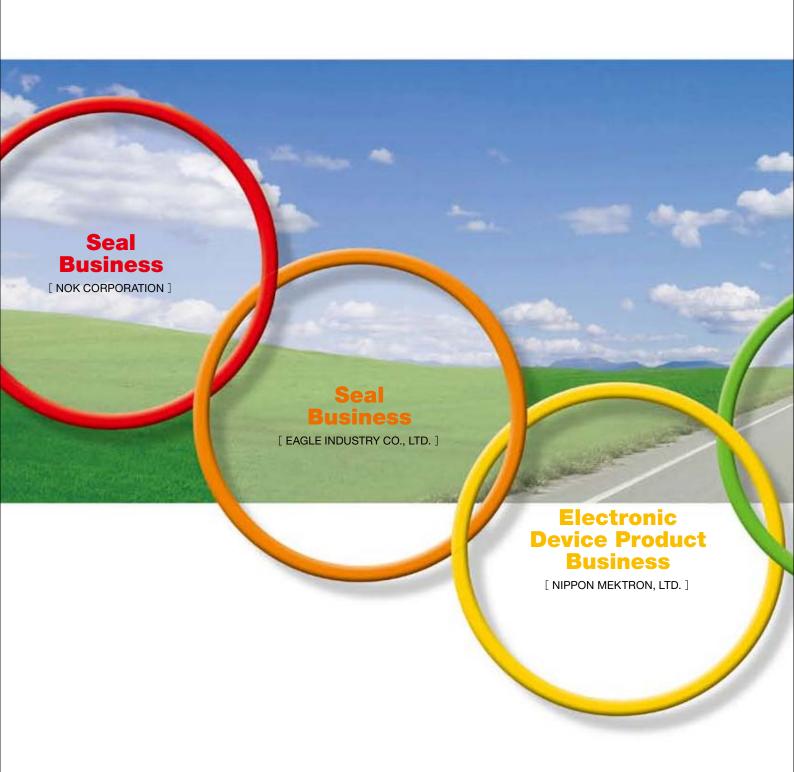
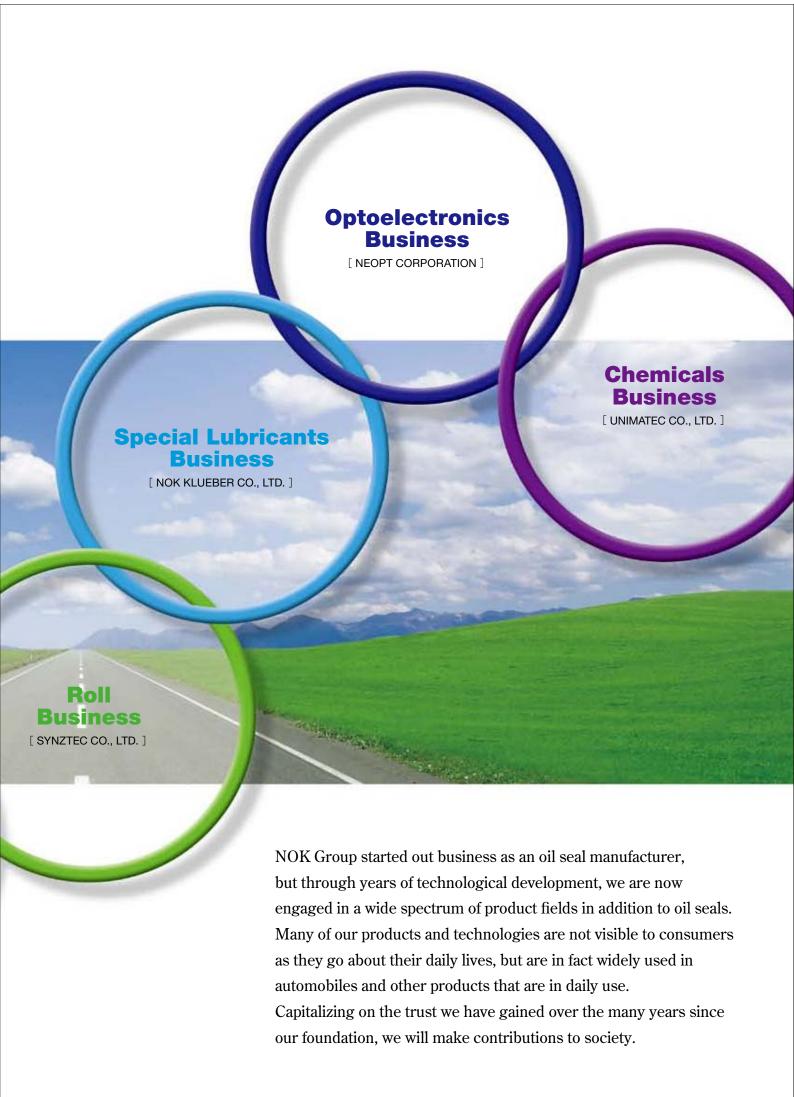


Making Dreams Come True through Technologies, Building a Future with Lasting Reliability





Message from the President



Chairman of the Board and President of NOK CORPORATION

Masato Tsuru

NOK is Japan's longest established oil seal manufacturer. Our functional parts such as oil seals and mechanical seals, created through advanced seal technology, are not only employed in the automotive industry but are also used in a wide range of other industries. We have developed into the leading company in the field in terms of reliability by leveraging the technology and know-how we have accumulated since the start of operations.

Also, as Japan's first flexible printed circuit (FPC) manufacturer, we have greatly contributed to the development of smaller, lighter and better performing electronic devices. In 2004, we launched a new roller business to further foster the stable growth of our company.

NOK Group is aiming to become a stronger and even more unique parts manufacturer by further improving the technologies that make up the foundation of our business operations, namely our sealing, FPC, and rolling technologies. Moreover, we are carrying out drastic cost-cutting measures throughout our business operations, from manufacturing to the frontline of sales, while making strenuous efforts to improve the quality of our products and services. We are committed to "making unique and useful products backed by technology in a competitive manner and supplying them throughout the globe in a reasonable way," thereby becoming a highly profitable corporate group in which customers, shareholders, employees, suppliers, and all other stakeholders can take pride.

At the same time, to protect the natural environment for the next generation, we are also committed to careful environmental management and steadily fulfilling our social responsibilities as a corporate citizen.

What started out as a small town plant established in Kobe, Japan in 1939 has grown in to become a highly unique enterprise. The corporate culture of that original factory has been passed down through the generations to the 21st century, constantly inspiring employees of NOK Group to be ambitious. Taking pride in our reputation as a "small-town factory born to be a great parts supplier," we will continue to manage NOK Group in an even more ambitious manner in this new century.



Contents Message from the President 2 **Managerial Policies** 3 **NOK Group** **Our Business** Seal Business 6 [NOK CORPORATION] Seal Business [EAGLE INDUSTRY CO., LTD.] **Electronic Device** 10 **Product Business** [NIPPON MEKTRON, LTD.] We, NOK, based on Management Principles formulated in the NOK spirit, not only endeavor to Roll Business 12 contribute to the economic development of society, [SYNZTEC CO., LTD.] but want to be a company with which all Other 14 stakeholders are proud to be associated, pursuing our dreams together in accordance with our Special Lubricant Business Management Policies, and thus contributing to the [NOK KLUEBER CO., LTD.] betterment of society at large as well. Optoelectronics Business [NEOPT CORPORATION] Management Policies Chemicals Business [UNIMATEC CO., LTD.] Focusing our business resources on Research & Development 16 our core area, we are committed to becoming an ever more competitive, **CSR & Environment** 18 ever more unique manufacturer of parts. History 20 We are committed to being a profitable, Global Deployment 22 robust company while carrying out Company Profile 24 company-wide cost-reduction programs ranging from front-line sales to the manufacturing floor. We are committed to constant striving to improve our quality while producing and selling products worldwide proven to be technologically unique and of benefit to society. 3

NOK Group

—Supporting the Lives of People

NOK Group's technologies and products support the lives of people by being used in a range of fields, including the automobile industry.

Seal Business

[EAGLE INDUSTRY CO., LTD.]

In 1964, the mechanical seal department of NOK became independent and was subsequently renamed EAGLE INDUSTRY CO., LTD. (EKK). Since then, EKK has been constantly releasing products to meet the needs of users based on its core technologies, namely sealing, special welding, power transmission, and valve technologies. Its products include various mechanical seals, special value products, products for marine vessels, aircraft and aerospace products, bellows products, and diaphragm couplings. These products are highly trusted and evaluated by users both in Japan and overseas.

EKK

Seal Business

[NOK CORPORATION]

NOK CORPORATION (NOK) was established as Japan's first oil seal manufacturer in 1939. Since its foundation, the company has been producing a range of functional parts, such as oil seals, O-rings, packings, and other synthetic rubber-based products. These products, produced using advanced synthetic rubber processing technology, are used in a wide range of fields in addition to the automobile industry. NOK will continue to provide the world with highly reliable products by making use of the many strengths of the NOK Group and its advanced technologies.

NOK

Chemicals Business

[UNIMATEC CO., LTD.]

UNIMATEC CO., LTD. (UMT) was established in 2002 to take over the chemicals business launched by NOK in 1971. UMT is committed to providing environment-friendly synthetic chemical materials and technologies to the world. UMT is contributing to the protection and improvement of the natural and living environments by developing unique materials, such as special synthetic rubbers, fluorinated products, and electronic materials by the use of its extensive and unique chemical technologies.

UMT

Electronic Device Product Business

[NIPPON MEKTRON, LTD.]

NIPPON MEKTRON, LTD. (MEK) was established in 1969 to launch the electronics business in line with NOK's business diversification strategy. This NOK Group company develops, designs and produces materials, and manufactures products in an integrated manner and has contributed to the smaller size, lighter weight and technological innovation of flexible printed circuits, precision rubber and prastic components, and other portable digital devices. MEK will continue its efforts to become a global company that will provide the entire world with advanced products and technologies.

MEK

Roll Business

[SYNZTEC CO., LTD.]

SYNZTEC CO., LTD. (SZT) was established in 2007 through the merger of Hokushin Corp. and Nitto Kogyo Co., Ltd., which were both manufacturers of rollers for office equipment. By integrating the technologies of the two companies, SZT has become the only company in the industry capable of providing all types of rollers for office machinery such as copiers. To meet a range of customer needs, SZT will make evaluations and analyses by combining its leading-edge technologies with NOK's base technologies to find solutions to problems customers face.

SZI



[NOK KLUEBER CO., LTD.]

NOK KLUEBER CO., LTD. (NKL) was founded in 1976 as a joint venture between NOK and Klueber Lubrication Muenchen KG, a long-established German lubricant manufacturer. NKL has been utilizing the proprietary technologies of the two companies in manufacturing products for use in a range of fields, including the automobile, industrial machinery, and home electric appliance industries. NKL is confident that its lubricants and applied technologies will help solve all lubricant-related problems and contribute to the development of new products and the improvement of product functions.

NKL

Optoelectronics Business

[NEOPT CORPORATION]

NEOPT CORPORATION (NEO) was established in 1989 as a joint venture between NOK and EG&G Inc. and is engaged in the sale of optoelectronics products and the development of sensing products. In order to meet the need for higher energy efficiency and automation, NEO provides society with a range of products incorporating leading-edge technologies, including devices that serve as the "eyes" of sensors as well as "intelligent" inspection equipment that recognizes and processes information as images.

NEO

Seal Business

[NOK CORPORATION]

NOK's history of oil seals is, in effect, Japan's history of oil seals. Oil seals are used in machinery and are not visible to consumers, but these seals made by the use of diverse technologies play an important role.

By supplying oil seals in a stable manner with the use of its proprietary technologies, NOK has developed into the leading company in the oil seal field.



Producing Rubber Oil Seals Ahead of Others

NOK CORPORATION (NOK) 's history of oil seals virtually represents Japan's history of oil seals. When the company was established, oil seals were generally made of leather. The oil seals of that time were therefore not stable in terms of sealing performance, and the smell of oil leaking from engines was noticeable in automobile garages. To solve this problem, NOK began producing rubber oil seals and launched a production line for the seals at its then head office factory in Haneda in 1954. At the same time, we also began conducting independent research into oil seals and announced a lubricant principle regarding the friction and sealing of oil seals in 1959. Through these efforts, we built the foundation for NOK as it is today.

Technological Partnership with Freudenberg

We took the first step to become Japan's numberone oil seal manufacturer by concluding a technological partnership agreement with Carl Freudenberg KG of the former West Germany. Partnering with this German company marked a great turning point for NOK, which subsequently started the construction of its Fujisawa Plant equipped with a system to mass-produce oil seals to ensure a stable supply. We then expanded the production system by constructing other plants in Shizuoka, Fukushima, and Kumamoto. Through these measures, NOK began following a path to become a representative Japanese oil seal manufacturer both in name and reality. Specifically, the company has established a robust system to supply quality products in a stable manner and has demonstrated, both in Japan and overseas, its ability to manufacture and supply what the market wants in a forward-looking manner backed by highly reliable technologies.

NOK's Global Development

NOK established a manufacturing plant in the United States as early as 1979, when only one Japanese automaker had a production base in the country. NOK had enough pioneering spirit to begin developing its business in the United States ahead of others and eventually succeeded in supplying oil seals to local automakers. The company was able to achieve this because it had established a highly reliable production system for the stable supply of high-quality products. Since then, we have expanded our production bases mainly in Asia, including Thailand, China, Indonesia, Singapore, India, and Vietnam, where we have built stable supply systems to meet the needs of our customers across the world.



Construction

Packings and 0-rings are used in the hydraulic parts of shovels and arms of construction machinery. In addition, NOK's seal products are also used in agricultural equipment, various industrial machines, home electric appliances, and others.

Automobile

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Oil seals, O-rings, and various other seal products, including engine mounts, dust covers, and accumulators, are

used in automobiles.

Our Products



Oil seals

Oil seals are functional parts used to prevent the leakage of lubricants and other substances from gaps in machinery.



O-rings

O-rings are O-shaped ring packings. They are appropriately compressed to prevent the leakage of various gases and liquids, including oil, water, and air.



Packings

Packings are used as sealing devices for the pistons of hydraulic and pneumatic machinery. There are rubber packings and also resin-mixed ones.



Iron rubber products

These products are widely used as elastic molding materials and serve as intermediate products between rubber and plastic products. They excel in elastic recovery, rebound resilience, and abrasion resistance.



Rubber vibration isolators (torsional dampers)
A range of rubber vibration isolators are available, including engine mounts as well as torsional dampers used to reduce the vibrations caused by the deflection and bending of crankshafts.

Seal Business

[EAGLE INDUSTRY CO., LTD.]

EAGLE INDUSTRY CO., LTD. (EKK) was founded after a department of NOK CORPORATION was spun off from the company in 1964. EKK is a leading company of mechanical seals, which are indispensable products in a range of industrial fields, including the automobile, machinery, marine vessel, and aerospace industries.



Mechanical Seal Department gained Independence from NOK

The mechanical seal department of NOK CORPORATION became independent in 1964 and changed its name from Nippon Sealol Co., Ltd. to EAGLE INDUSTRY CO., LTD. in 1978.

EKK has sealing, special welding, power transmission, and valve technologies as its core technologies and has built an integrated production system that encompasses all the processes from the development of materials to the manufacture of final products. In particular, EKK enjoys a solid reputation for a range of mechanical seals, products for marine vessels, and special valve products, all of which enjoy both high performance and top quality.

Used Not Only in Automobiles but also in Rocket Engines and for Nuclear Power Generation

Mechanical seals are functional parts installed to the shafts of rotating machines. A seal, as its name suggests, prevents gases and liquids inside a machine from leaking from the shaft and it also protects the internal part of the machine from the external environment.

Mechanical seals are widely used in a variety of industrial devices, not only in automobiles and machines but also in rocket engines and for nuclear power plants. These seals, although not visible, play a very important role by helping improve the functionality and durability of the machines and prevent the leakage of pollutants.

Mechanical Seals Hold Infinite Potential for Future Industries

The technologies and products developed by EKK have infinite potential for future industries. The company is committed to improving its sealing technologies to keep pace with improvements in the performance of devices that have rotating parts, including higher speed and higher resistance to high temperatures and pressures. Moreover, to deal with the global challenges represented by environmental protection and to achieve higher energy efficiency, EKK will meet the expectations of the market with further technological innovations for seals and valves by proactively implementing solutions and fulfilling its mission as a leading mechanical seal company.





Our Products



Mechanical seals for industrial use

These seals are used under different pressure and temperature conditions. Under strict quality management, EKK manufactures mechanical seas for use in a range of fields.



Lip seals

Lip seals were developed as axis seals for automobile air conditioners, and both their structure and materials are suitable for sealing coolants. EKK provides originally designed compact lip seals.



Solenoid valves

These lightweight and compact solenoid valves meet high-precision and other specific requirements for a number of applications, including for use in engines and transmissions.



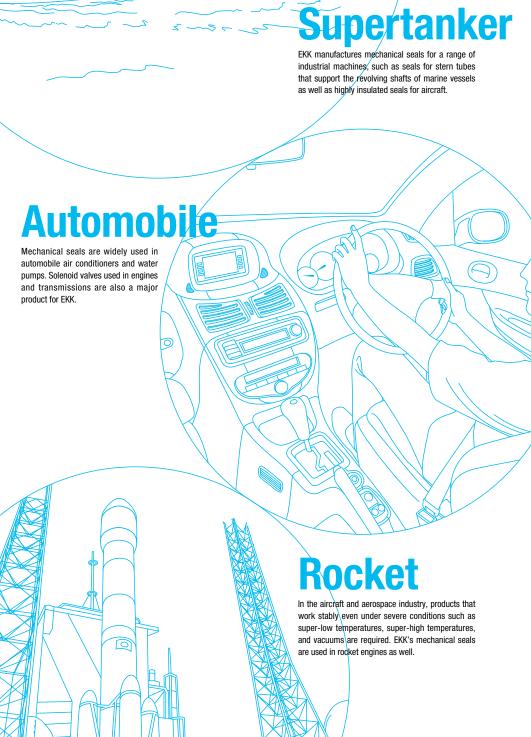
Dynamic seals for aircraft

These highly insulating seals, including those for rocket engines, can be used under severe conditions at high temperatures and high pressures, which is an essential requirement in the aircraft and aerospace industries.



Seals for stern tubes

Made using EKK's technologies for rubber materials, structural design, and seals, these products play an active role for the safe navigation of marine vessels and for the prevention of marine pollution.

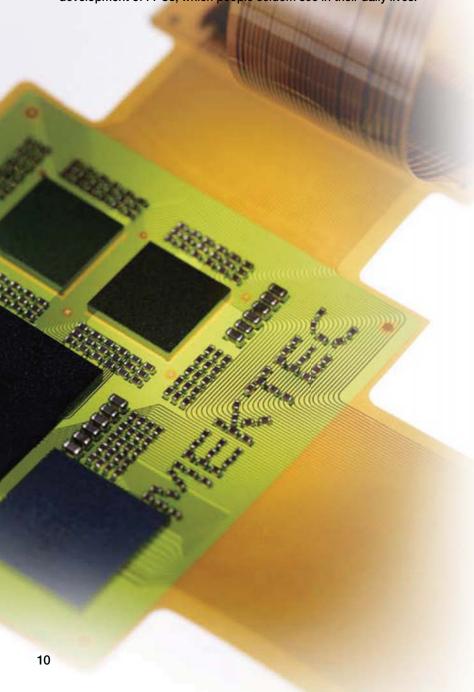


Electronic Device Product Business

[NIPPON MEKTRON, LTD.]

The technology behind FPCs (flexible printed circuits) is incorporated in electronic devices, which are devices that represent state-of-the-art technologies.

NIPPON MEKTRON, LTD. (MEK) contributes to convenient and comfortable lives through the continuous research and development of FPCs, which people seldom see in their daily lives.



Earliest Days of Flexible Printed Circuits

In 1969, MEK concluded a technological assistance agreement on the manufacture of electronic circuits with the U.S.A. Rogers Corp. and began manufacturing FPCs.

At that time, FPC technology was a leading-edge technology that was not well recognized, but the release of fully electronically controlled single-lens reflex cameras has since changed that drastically. FPCs have been adopted as a core electronic part in SLR cameras, which are recognized as an excellent product with longevity. The SLR became a great topic of conversation and consequently FPCs also began attracting the attention of engineers. This technology was a sign of what was to come in terms of newgeneration electronics.

Adoption of FPCs in Hard Disk Drives

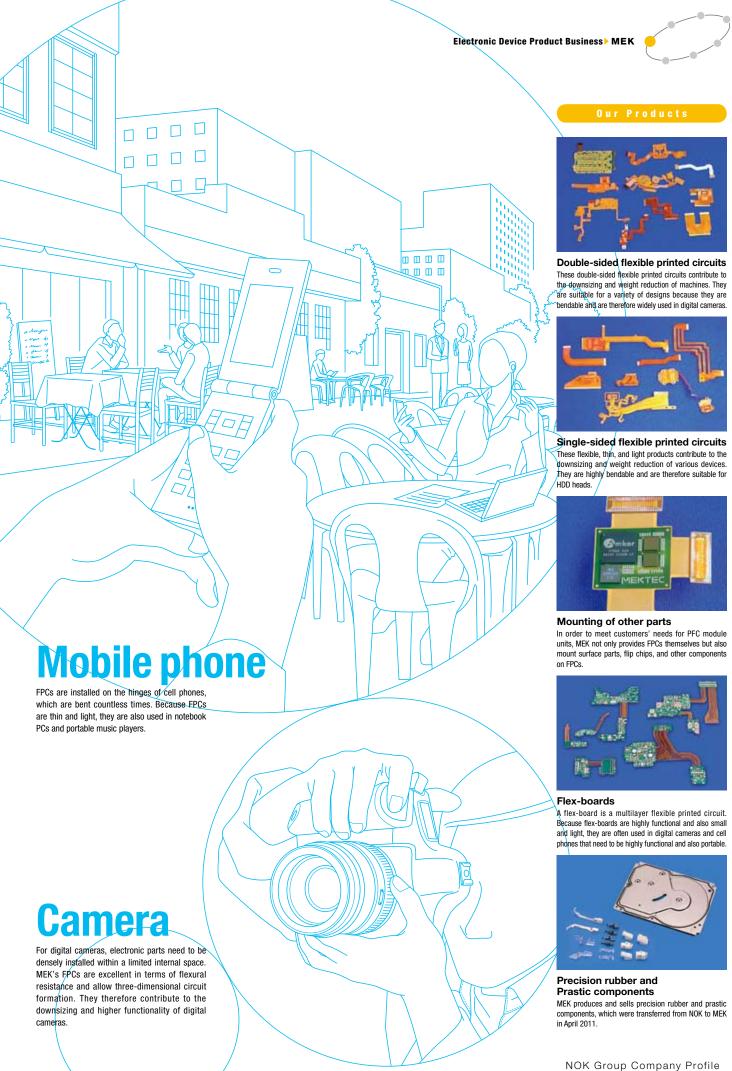
Subsequently, as FPC technology became more widely recognized, the possibilities for FPCs also expanded quickly. In particular, it merits noting that FPCs were adopted for computer hard disk drives (HDDs).

The arms of HDD heads, which read signals from disks that revolve at a super-high speed, also operate at a high speed. FPCs used for the connection of this part are required to have a flexural resistance of over 100 million times. MEK has met this requirement with its materials technology. MEK's FPCs are highly reliable and usable under very severe conditions, garnering the full attention of the computer industry.

Further Technological Innovations for Downsizing and Weight Reduction

In 1986, an FPC was adopted for the then world's smallest 8-millimeter video camera, greatly contributing to the downsizing and weight reduction of electronics. Now, FPCs are used as indispensable parts for daily-use digital consumer electronic devices appliances such as cell phones, portable music players, flat panel displays, and notebook PCs and also for electronic devices such as in-vehicle navigation systems.

In the future, MEK will further contribute to the development of digital consumer electronic devices by fostering technological innovations to increase the functions of FPCs and modularize them in addition to making them smaller, denser and more multilayered.



Roll Business

[SYNZTEC CO., LTD.]

At the heart of OA machines, which are advancing technologically day by day, highly functional rollers play an essential role to improve image quality and functionality. SYNZTEC CO., LTD. (SZT) supports the textile, audio device, and financial terminal industries with its long accumulated technologies that can deeply satisfy customers and gain their trust. SZT will continue to achieve higher targets with its



The Only Company in the Industry that Provides All Types of Parts for Office Machinery

SZT was established in 2007 by the merger of Hokushin Corporation and Nitto Kogyo Co., Ltd., both suppliers of functional parts for office machinery. As a result of combining the companies' technologies, SZT has become the only one company in the industry that can provide all types of functional parts for office machinery.

SZT will continue to make leading-edge evaluations and analyses by combining NOK's technologies to solve any problems posed, aiming to lead the industry by becoming the best supplier—the one constantly chosen by customers.

Leading the Industry with Products Developed through Unique Technologies

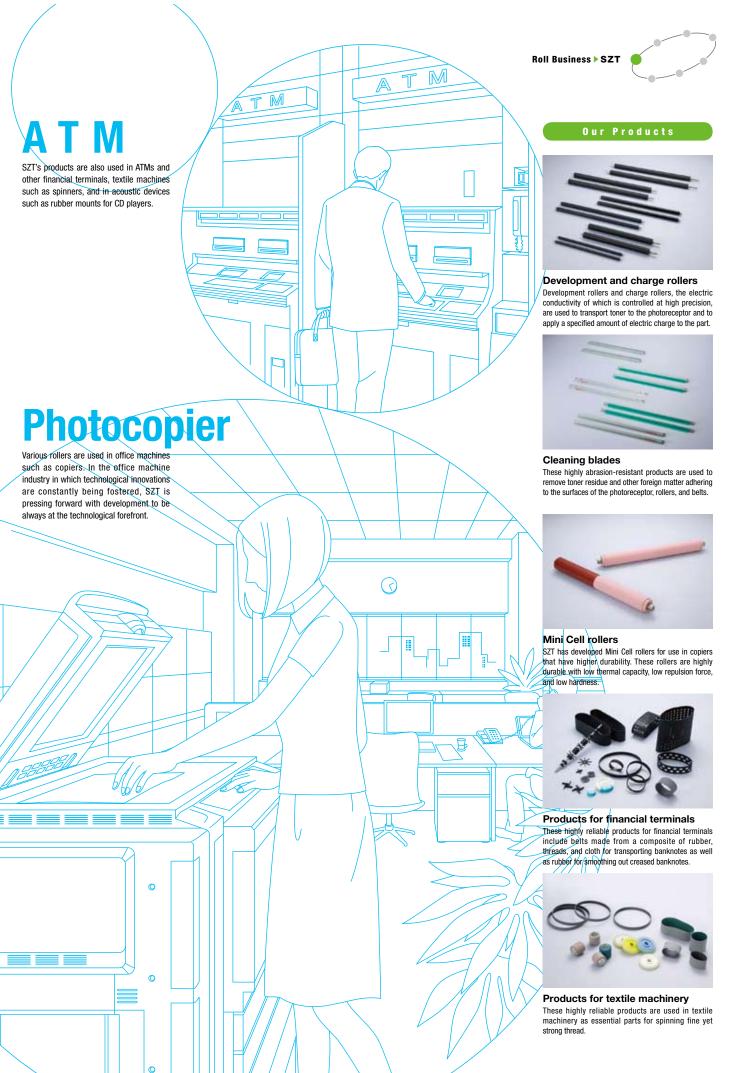
For the photoreceptor, which is a core part of an office machine such as a copier and determines its performance and value, SZT's development rollers, charge rollers, and cleaning blades are widely used.

For these high-precision products, SZT has been fostering technological innovations by using its know-how, unique product planning and designing ability, and high production technologies. For pressure and heat rollers used to fix toner on paper by heat and pressure, SZT is leading the industry in the field of rollers manufactured by the environmentally friendly IH fixation method with its Mini Cell rollers developed using its unique technologies.

Continuing to be the Best Global Partner

In the ever changing office machine market, the level of products and services that customers expect is becoming higher and higher year by year.

Under these circumstances, SZT has been expanding its business in an unrivaled manner by supplying innovative products and services and also by building overseas production systems to enable customers to make local procurements. The company will continue its efforts and remain the best global partner for customers and contribute even more to the advancement of related technologies.



(NKL/NEO/UMT)







Providing Lubricants as Functional Parts that Meet Diversified Needs in a Range of Markets

NOK KLUEBER CO., LTD. (NKL) has grown in line with Japan's industrial development. NKL's main products are lubricants (grease, oil, and coating agents), which display their abilities when used in an integrated manner with mechanical parts. Capitalizing on NOK's and Klueber's long accumulated proprietary technologies, NKL has developed a range of products that meet the respective needs of the iron and steel, industrial machinery (including machine tools), automobile, electric appliance, and semiconductor

markets. The company is now engaged not only in the manufacture and sale of these products but also in maintenance and consulting services. NKL has also developed lubricants for food machinery, which are now globally recognized; lubricants used at solar power and wind power generation facilities, which represent future energy sources; and high-performance grease and coating agents that contribute to higher automobile fuel economy. NKL thus provides customers with safety and reliability in addition to higher efficiency and performance.

Our Products

Special lubricants

The product lineup includes grease and oil that meet the needs of various fields, including the automobile and electric appliance industries. These products also contribute to the environment, safety, and higher energy efficiency.



Gleitpan is a coating material produced by mixing heat-resistant resin with fluorinated resins. Applied to a range of mechanical parts made with different materials for different usage situations, this coating material displays excellent abrasion resistance and non-adherence properties.





Cooperating with Foreign Manufacturers and Adopting the World's Most Advanced Technologies

NEOPT CORPORATION (NEO) was established in 1989 and is a relatively new NOK Group company. NEO deals with optoelectronics products, which are used widely in the electric appliance, semiconductor, medical, aerospace, and biotechnology fields. NEO, in response to the increasing need in 21st century for environmentally friendly, highly energy-efficient, and automated products in every field of industry, is working to form partnerships with top manufacturers overseas. NEO provides a wide spectrum of products. These

include optical sensors using ultraviolet, visible, infrared, and X-rays; heads used in inkjet printers with which on-demand printing for industrial purpose, and UV-curing equipment (Lamp, LED). Moreover, NEO supplies its own developed industrial cameras and inspection equipment under its own brand. Through these products, the company will make further contributions to the development of society and industry.

Our Products

Optoelectronics products

A range of functional optoelectronic products are provided, including thermopiles for non-contact temperature measurement, industrial and light sources for medical usage, and panels for X-ray detection.



Industrial products

The product lineup includes industrial cameras for use in inspection equipment as well as various inkjet printer heads for industrial use and UV curing equipment.



Providing Unique Ideas and Technologies in Various Fields

UNIMATEC CO., LTD. (UMT) manufactures environmentally friendly synthetic chemical products, inheriting the excellent R&D DNA of NOK, which is the leading seal products company in the world. In particular, UMT began manufacturing an acrylic elastomer named "NOXTITE" in Japan 40 or more years ago, and has been supplying this product to a range of industries including the automobile industry ever since. The company also developed a chemical compound named "CHEMINOX" using its highly unique technologies for organic fluorine chemicals

and the synthesis of acrylic elastomer and this product is used as monomers for polymerization and materials for cross-linker agents. Moreover, UMT has state-of-the art technologies in the fields of high-molecular fluorine compounds, special synthetic rubber, and electronic materials, and provides the world with highly trusted products of stable quality and performance. UMT will promptly detect any social change in the future and adopt unique ideas and technologies to develop new products through untiring efforts to anticipate market needs.

Our Products

NOXTITE

The NOXTITE acrylic elastomer has a number of well-balanced functions, including oil resistance, heat resistance, strength, and resistance to permanent compression set.



CHEMINOX

This fluorine chemistry-based compound is used as a material for rubbers and resins and also for modifiers, and gives new possibilities to a range of materials.





Research and Development System

Since the company's foundation, the oil seals and other products of NOK Group companies have been greatly supported by users because these products have been continuously improved through the Group's advanced technological capabilities.

NOK Group will further foster technological development to release new products and technologies that can help improve convenience within society and protect the environment.



Fostering Technological Development in a Forward-Looking Manner

NOK began producing oil seals, 0-rings, and rubber packings in the 1940s. Since then, we have been constantly leading the industry with new technologies by taking the following steps: considering a lubricant mechanism; understanding the sealing phenomenon; presuming a sealing mechanism; implementing robust design; and building visualization technologies.

In materials technology, we are mixing materials, developing adhesives, and making physical and chemical analyses independently while always fostering technological development in cooperation with customers in a forward-looking manner.

By using the Group's strengths, we are also developing gaskets equipped with flexible circuits for use in waterproof cell phones as well as rollers made from new materials for use in high-speed copiers, and are proactively proposing new technologies and products to customers.

Focusing the Group's Strengths on the Development of More Advanced Technologies

Amid the trend for environmentally friendly automobiles, construction machinery, and industrial machines, NOK Group is developing and supplying parts not only for current hybrid vehicles but also for electric vehicles and fuel cell vehicles, winning high evaluation and trust for its technologies from customers. We will continue to use the Group's comprehensive strengths in fostering the development of more advanced technologies, thereby providing customers in the automobile, industrial machinery, electric and electronic equipment, and office machine industries with highly satisfactory products and services.



Seal Business (NOK)

Visualization technology for oil seals



Oil membrane visualization equipment for oil seals used on rotating shafts

NOK, in its long history of technological development, has been persistently presuming and verifying various phenomena. NOK's visualization technology. which represents one of its core technologies, is used to check the status of an oil membrane that is created when an oil seal is used on a rotating shaft. NOK succeeded in visualizing the oil flow for the first time in the world and has dramatically improved the accuracy of verifying differences between theory and reality. With this technology, the behaviors of parts inside metal cells can be visualized. And the behaviors and vibrations of materials in metal molds are also analyzable. NOK is also endeavoring to develop unique technologies and evaluation equipment, introduce more advanced technologies, improve the reliability of its product functions, and supply

Seal Business (EKK)

Sealing Technology for the Aircraft and Aerospace Industry



NASA's next-generation rocket Ares-I

EKK began developing pump seals for liquid fuel rockets in 1967, marking the start of business in the aircraft and aerospace field. The company has been engaged in all of Japan's rocket development projects, including those for the N and H rockets and also for the H-IIA and H-IIB, which are the main rockets of today. The engines for these Japanese rockets use liquid hydrogen and oxygen as fuel and are therefore ultimately clean engines. EKK's sealing technology, which completely isolates the fuel from oxidizing materials to prevent an explosion, has been highly evaluated worldwide. Recently, EKK has participated in the development of seals for the J-2X engine of the spacecraft that will replace the Space Shuttle upon its retirement, and thus its field of operations is expanding on a global scale.

Electronic Device Product Business (MEK)

Printed Electronics Technology



Production of FPCs through PE using silver paste

Printed electronics (PE) technology is a state-of-the-art technology that enables the direct printing of circuits on organic films by the use of leading-edge printing technology and nanotechnology. Circuit formation through PE does not adopt the general etching method and therefore leads to greater energyand resource-savings, and the production of environmentally friendly FPCs. Moreover, largesized FPCs can be easily manufactured, which was difficult under the conventional method. meaning business could be expanded to the new market of "large electronics," which is now attracting attention in relation to in-vehicle electronic devices and those for general use. MEK therefore focuses on PE as one of its most important technologies.

Roll Business (SZT)

High Functional Rolling Technology



Urethane injection molding

High-End Copiers are manufactured by the use of diverse technologies including those for the provision of high-quality images through high-speed charging and development and for high-precision transportation. Moreover, they need to be made environmentally friendly through such measures as reducing the loss of thermal energy at the time of toner fixation. SZT holds unique technologies and materials as a result of fostering technological developments to provide highly functional materials for copiers. For example, the company has developed charge rolls and blades by the use of electric resistance control rubber and abrasionresistant urethane materials. respectively. Its products include Mini Cell fixation rollers and RUFASS paper pick-up rollers. The company is developing and providing highly functional,



CSR and Environmental Activities

As a good corporate citizen

NOK Group is conducting a range of community relations activities and social contribution activities to fulfill its corporate social responsibility and build strong relations with all its stakeholders. Moreover, to protect this beautiful blue planet for generations to come, each and every employee of the Group is proactively engaged in environmental protection activities highly aware of environmental problems.

Social Contribution Activities

NOK Group is conducting a variety of social contribution and community relations activities. For example, we are providing support to Indonesia for the reconstruction of elementary schools collapsed by the earthquake that hit the central part of Java, and also supporting a prosthetic limb foundation in Thailand. Moreover, our manufacturing plants foster communication with local inhabitants through cleanup activities around their premises.

Supporting a Prosthetic Limb Foundation in Thailand

One of the facilities of NOK Group in Thailand is voluntarily providing support to a prosthetic limb foundation in Thailand. The company donates waste from its manufacturing process and the pull-top tabs of used cans to the foundation, and these are recycled as materials and parts for prosthetic limbs. Moreover, it is supporting the improvement of prosthetic limb joints and also offering support to the improvement of the equipment to manufacture the limbs and to related engineering services. It also began extending support to a prosthetic limb center under construction in a rural area.



Maintenance of prosthetic limb joint 〈Mektec Manufacturing Corporation (Thailand) Ltd.〉

Community Relations Activities

The facilities of NOK Group are conducting a range of activities to foster communication with local communities. These activities include regular clean-up activities around the premises of the manufacturing plants, organization of a marathon and inviting local inhabitants to participate, and the opening of playgrounds within the premises of the facilities to the public.



Clean-up activity conducted around 〈EKK's Saitama Plant〉

Basic Policies on Environmental Conservation

Environmental Protection Activities

NOK Group fosters environmentally compatible design and manufacture to minimize the environmental impact of its products throughout their lifecycles from production to disposal, being aware of the impact NOK Group could have on the environment. We are conducting environmental protection activities by setting specific targets and implementing specific measures, while giving due consideration to future generations.



Recycling of Waste

NOK Group is fostering material recycling, including the commercialization of silicone oil extracted from silicone rubber, the recycling of waste oil, and the reuse of sludge and polishing powder as cement and pavement materials. In the year ending March 31, 2009, the Group's rubber chips made from crushed waste rubber were adopted as material for walls to prevent small animals from entering expressways.

- Crushing waste rubber: about 30-centimeters of black waste rubber is input into the crushing machine on a conveyor belt.
- 2 Room for manufacturing rubber chips: chips output from the crushing machine are packed into bags through a pipe.
- 3 Chips made by crushing waste rubber: they are finished in the size of three or five millimeters depending on usage. Wall to prevent small animals from entering the expressway: Rubber chips are mixed with urethane resin and molded into a mat to be used as material for the prevention wall.

1

Based on our unique technology, we promote the improvement of technology and development of products with environmental considerations to reduce the negative environmental impacts.

2

We promote energy saving to prevent the global warming, and promote waste reduction, reuse and recycle of resources corresponding to the recycling society.

3

We make continuous efforts to reduce the negative environmental impacts by setting objectives and targets in collaboration with our suppliers for the conservation of global environment and pollution prevention.

4

We comply with related laws and regulations, local government ordinances, and regional agreement, etc., and promote activities for environmental conservation.

5

We comply with self-imposed restrictions by the industry and customers, and positively engage in the requirements from our stakeholders toward environmental issues.

6

We disclose information on environmental conservation and social contribution activities, and positively communicate with local and broader society.

7

As a good corporate citizen, we promote all employees to recognize the importance of the conservation of global environment, and cultivate the awareness toward the global environment.







The wall completely covers the gap between the metal net fence and the ground and also prevents the soil and sand below the fence from eroding due to high rainfall. It is made from environment- and animal-friendly materials.

Acquisition of ISO 14001 Certification

The entire NOK Group is committed to acquiring ISO 14001 certification.

NOK has acquired ISO 14001 certification for its production facilities as a whole, and environmental conservation and management activities are harmoniously conducted to achieve the common targets and goals in line with uniform policies. Among 71 NOK Group companies in and outside Japan that have set the common environmental indicators and targets with NOK, 65 were ISO 14001-certified as of June 2012.

Major ISO-14001 certified Group companies

	In Japan	NOK/EKK/MEK/SZT/NKL/UMT
		THAI NOK CO.,LTD. / P.T.NOK Indonesia / VIETNAM NOK CO., LTD.
		PT.NOK PRECISION COMPONENT BATAM / NOK(Wuxi) Vibracoustic China Co., Ltd.
		NOK PRECISION COMPONENT (THAILAND) LTD. / Changchun NOK-Freundenberg Oilseal Co., Ltd.
		Wuxi NOK-Freudenberg Oilseal Co., Ltd. / PT. NOK ASIA BATAM / Unimatec Singapore Pte Ltd.
		PT. SAITAMA STAMPING INDONESIA / Eagle Industry Wuxi Co., Ltd.
	Outside	Eagle Industry Taiwan Corporation. / NEK CO., LTD. / Eagle Simrax B.V.
	Japan	EagleBurgmann Taiwan Co., Ltd. / EKK Eagle (Thailand) Co., Ltd.
		EKK Eagle Products India Pvt. Ltd. / EagleBurgmann India Pvt. Ltd.
		Mektec Corporation / Mektec Manufacturing Corporation(Thailand)Ltd.
		Mektec Manufacturing Corporation(Zhuhai)Ltd. / Mektec Manufacturing Corporation(Suzhou)Ltd.
		SYNZTEC PRECISION PARTS (Shenzhen) CO., LTD. / SYNZTEC VIETNAM CO., LTD.
		SYNZTEC (MALAYSIA) SDN. BHD / SYNZTEC PRECISION PARTS (Shanghai) CO., LTD.

NOK Group's **History**

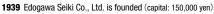
▼1960

▼1970

V1980

Seal Business

NOK CORPORATION 1



- 1941 Japan Bearing Production Co., Ltd. is founded in Kobe (capital: 180,000 yen) . (Renamed Nippon Yushi Industry Co., Ltd. in 1944) ①
- 1951 Tokyo Oil Seal Industry Co., Ltd. merges with Nippon Yushi Industry Co., Ltd. and the company name is changed to Nippon Oil Seal Industry Co., Ltd. (present-day NOK CORPORATION) (capital: 7 million yen).
- 1954 Head office and Tokyo Plant relocated to Ota-ku, Tokyo

1970 Kumamoto Plant established in Aso-cho (present-day Aso City), Kumamoto Prefecture

- 1973 Singapore Oil Seal Co. established
- (present-day NOK Precision Component Singapore) in Singapore (3)

 1974 Tokai Plant established in Ogasa-cho (present-day Kikukawa City),
 Shizuoka Prefecture
- 1978 Equity stake taken in Pyung Hwa Oil Seal Industry Co., Ltd. (South Korea)



1960 Capital participation agreement concluded with Carl Freudenberg KG (West Germany) ② Fujisawa Plant established in Fujisawa City, Kanagawa Prefecture

- **1961** Listed on the Tokyo and Nagoya Stock Exchanges Head office moved to Chuo-ku
- 1963 Saga Plant established in Nakabaru-cho (present-day Miyaki-cho) , Saga Prefecture
- 1964 Agreement for joint venture for mechanical seals concluded with Sealol Corporation. (U.S.A.)
- 1966 Head office moved to 1-12-15 Shiba Daimon, Minato-ku, Tokyo
- 1967 Shizuoka Plant established in Sagara-cho, (present-day Makinohara City), Shizuoka Prefecture
- 1968 NOK-USA, Inc. established (changes its name to NOK Inc. in 1980)
 Fukushima Plant established in Fukushima City, Fukushima Prefecture



Seal Business

[EAGLE INDUSTRY CO., LTD.]

1964 As a joint venture between Nippon Oil Seal Industry Co., Ltd. and Sealol Corporation. (U.S.A.), Nippon Sealol Co., Ltd. established (6)

1965 Saitama Plant established in Sakado-cho, Iruma-gun (present-day Sakado City) , Saitama Prefecture ${\textcircled{7}}$





1971 Okayama Plant established in Takahashi City, Okayama Prefecture

- **1978** Company name changed from Nippon Sealol Co., Ltd. to EAGLE INDUSTRY CO., LTD.
- 1979 EagleBurgmann Taiwan Co., Ltd. and Eagle Industry Taiwan Corporation established as an affiliated company in Taiwan

Electronic Device Product Business

[NIPPON MEKTRON, LTD.]

1969 Nippon Oil Seal Industry Co., Ltd. concludes a technological partnership agreement with Rogers Corporation (U.S.A.) and establishes a subsidiary named NIPPON MEKTRON, LTD. ③

1971 Minami Ibaraki Plant established in Kukizaki-mura, Inashiki-gun (present-day Tsukuba City), Ibaraki Prefecture (10)

1978 Subsidiary named Kashima Kinzoku Kogyo K.K. established in Hasaki-machi, Kashima-gun (present-day Kamisu City) ,lbaraki Prefecture

Roll Business

[SYNZTEC CO., LTD.]





Special Lubricants Business

[NOK KLUEBER CO., LTD.]

1976 Nippon Oil Seal Industry Co., Ltd. establishes a subsidiary named NOK KLUEBER CO., LTD., which starts importing and selling special lubricants made by Klueber Lubrication Muenchen KG in West Germany.

Optoelectronics Business

[NEOPT CORPORATION]



Chemicals Business

[UNIMATEC CO., LTD.]



- **1971** Kitaibaraki Plant of Nippon Oil Seal Industry Co., Ltd. (present-day NOK CORPORATION) established (§)
- 1973 Merged with Seiwa Chemical Co., Ltd., a subsidiary established by Nippon Oil Seal Industry Co., Ltd. for the research, development, and manufacture of synthetic chemical products.
- 1979 Merged with NIPPON MECTRON, LTD.

▼1990 ▼2000 ▼2010

1980 Capital increased to 7,599 million yen

1985 Company name changed from Nippon Oil Seal Industry Co., Ltd. to NOK CORPORATION

1987 Nihonmatsu Plant established in Nihonmatsu City, Fukushima Prefecture

1988 Subsidiary named THAI NOK CO., LTD. established in the suburbs of Bangkok, Thailand

1989 FREUDENBERG-NOK G.P. (present-day Freudenberg-NOK Sealing Technologies) established as an affiliated company in the suburbs of Detroit in the United States ④
Capital increased to 15,911 million yen



2000 SIGMA FREUNDENBERG NOK PVT. LTD. established as an affiliated company in Mohali, India

2002 Subsidiary named NOK (Wuxi) Vibracoustic China Co., Ltd. Established in China

2003 Acquisition of Ishino Gasket Manufacturing Co., Ltd, making it a 100%-owned subsidiary Capital increased to 23,335 million yen

2004 Subsidiary named VIETNAM NOK CO., LTD. established in the suburbs of Ho Chi Minh. Vietnam

2005 Shonan Development Center established in Fujisawa City, Kanagawa Prefecture

2009 Affiliated company named Tongfang NOK (Wuxi) Membrane Technology Co., Ltd. established in China (§)



1992 Equity stake taken in Changchun NOK-Freundenberg Oilseal Co., Ltd. in China

1995 Subsidiary named Wuxi NOK-Freundenberg Oilseal Co., Ltd. established in China

1996 Subsidiary named P.T. NOK Indonesia established in the suburbs of Jakarta, Indonesia Subsidiary named NOK Asia Co., Pte. Ltd. established in Singapore



1982 Listed on the Tokyo Stock Exchange (8)

1987 Subsidiary named P.T. Eagle Industry Indonesia established in the suburbs of Jakarta, Indonesia NOK Eagle Korea Co., Ltd. (present-day NEK Co., Ltd.) established as an affiliated company in South Korea

1988 Subsidiary named Eagle Industry (Thailand) Co., Ltd. (present-day EKK Eagle Thailand Co., Ltd.) established in Chonburi, Thailand



1998 Eagle Machine Works Co., Ltd. and
Eagle Precision Co., Ltd. are merged to become
Niigata Eagle Co., Ltd.
(present-day EagleBurgmann Japan Co., Ltd.)
Eagle-Witzenmann S.A.S.
(present-day Eagle Industry France S.A.S.) established as an

2002 Subsidiary named Eagle Industry Wuxi Co., Ltd. established in China

2003 Acquisition of LIGNUMVITER, making it a 100%-owned subsidiary

2004 Acquisition Kobelco Marine Engineering Co., Ltd. (present-day KEMEL Company), making it a 100%-owned subsidiary

2005 Joint venture (alliance) agreement concluded with

Burgmann International GmbH (Germany) for mechanical seals to be used in
the general industrial machinery industry

2009 Eagle Seals and Systems India Ltd. merges with Burgmann India Pvt. Ltd. and the company name is changed to EagleBurgmann India Pvt. Ltd.

Acquisition of Simrax B.V. (present-day Eagle Simrax B.V.) ,
making it a 100%-owned subsidiary

2012 KEMEL Co., Ltd. is merged to become KEMEL Company that is part of EKK.

1986 Subsidiary named Mektec Corporation established in Kaohsiung. Taiwan (1)

1994 Mektec Manufacturing Corporation (Thailand) Ltd. established in Ayutthaya, Thailand

affiliated company in Faulquemont, France

1997 Subsidiary named Mektec Manufacturing Corporation (Zhuhai) Ltd. established in Zhuhai, China Kashima Kinzoku Kogyo K.K. merged 2001 Subsidiary named NOK PRECISION COMPONENT (THAILAND) Co., Ltd. established in Ayutthaya, Thailand

2002 Subsidiary named Mektec Manufacturing Corporation (Suzhou) Ltd. established in Suzhou, China

2003 Okuhara Plant established in Ushiku City, Ibaraki Prefecture





2004 NOK CORPORATION acquires Hokushin Corporation

2005 NOK CORPORATION acquires Nitto Kogyo Co., Ltd.

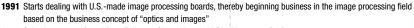
2006 Hokushin Corporation. establishes a subsidiary named Hokushin Vietnam Co., Ltd. in Haiphong, Vietnam

2007 Hokushin Corporation and Nitto Kogyo Co., Ltd. merged to establish SYNZTEC CO., LTD. (2)

1981 Plant in Kitaibaraki City, Ibaraki Prefecture established and starts producing and developing Klueber products in Japan ®

1984 Start of manufacturing of coating paints for automobile parts and processing and selling drum coatings using technologies from Klueber Lubrication Muenchen

1989 NOK CORPORATION establishes a subsidiary named NOK EG&G Optoelectronics Corporation as a joint venture with EG&G Inc. (U.S.A.) (present-day PerkinElmer, Inc.) (4)



1996 Sales bases transferred from Fujisawa City to Kawasaki City, Kanagawa Prefecture



2001 Company name changed from NOK EG&G Optoelectronics Corporation to present-day NEOPT CORPORATION



2002 Established UNIMATEC CO., LTD., a subsidiary of NOK, breaking independence from NIPPON MEKTRON. LTD.

2008 Subsidiary named Unimatec Singapore Pte., Ltd. (6) established in Singapore

2010 Processed product business transferred to NOK CORPORATION



Global Deployment of NOK Group — Main Location—

NOK CORPORATION

Head office

Seiwa Bldg., 1-12-15 Shiba Daimon, Minato-ku, Tokyo

Domestic bases

Fukushima Plant (Fukushima City, Fukushima Prefecture)
Nihonmatsu Plant (Nihonmatsu City, Fukushima Prefecture)
Kitaibaraki Plant (Kitaibaraki City, Ibaraki Prefecture)
Shizuoka Plant (Makinohara City, Shizuoka Prefecture)
Tokai Plant (Kikukawa City, Shizuoka Prefecture)
Tottori Plant (Saihaku-gun, Tottori Prefecture)
Kumamoto Plant (Aso City, Kumamoto Prefecture)
Shonan Development Center (Fujisawa City, Kanagawa Prefecture)

Overseas bases

FREUDENBERG TECHNICAL PRODUCTS LTD. (England)
NOK Europa GmbH (Germany)
SIGMA FREUDENBERG NOK PVT.LTD. (India)
THAI NOK CO.,LTD. (Thailand)
NOK ASIA CO.,PTE.LTD. (Singapore)

P.T. NOK Indonesia (Indonesia) VIETNAM NOK CO.,LTD. (Vietnam)

Wuxi NOK-Freudenberg Oilseal Co., Ltd. (China)
Changchun NOK-Freudenberg Oilseal Co., Ltd. (China)
NOK-Frendenberg Group Sales (China) Co., Ltd. (China)
NOK-Freudenberg Hong-Kong LTD. (China)
Pyung Hwa Oilseal Industry Co., Ltd. (South Korea)
FREUDENBERG-NOK GENERAL PARTNERSHIP (U.S.A.)
(The unit name: Freudenberg-NOK Sealing Technologies)

EAGLE INDUSTRY CO., LTD.

Head office

Seiwa Bldg., 1-12-15 Shiba Daimon, Minato-ku, Tokyo

Domestic bases

Saitama Plant (Sakado City, Saitama Prefecture) Okayama Plant (Takahashi City, Okayama Prefecture) KEMEL Company Takasago Plant (Takasago City, Hyogo Prefecture) KEMEL Company Kure Plant (Kure City, Hiroshima Prefecture)

EagleBurgmann Japan Co., Ltd. Head office

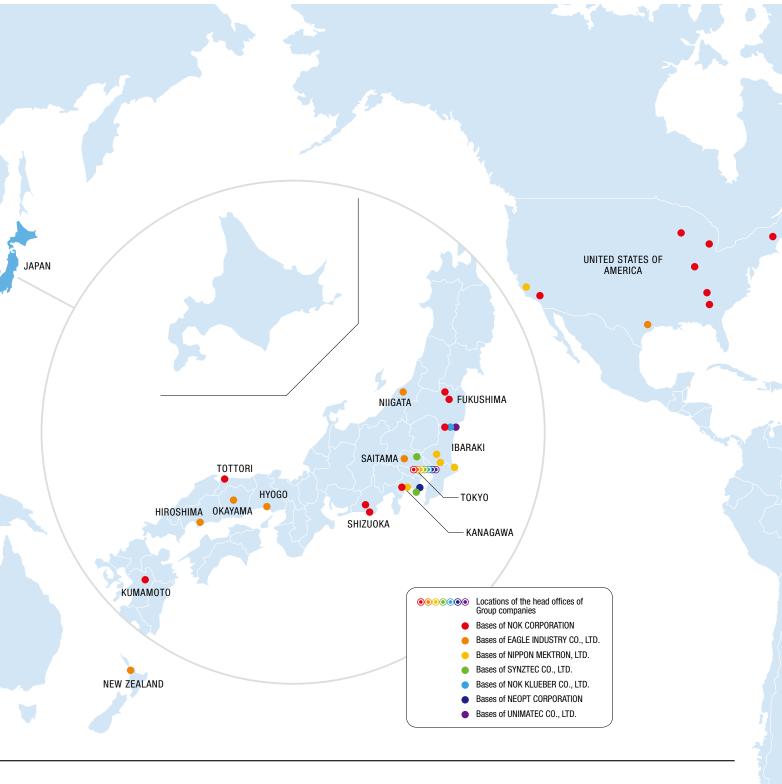
Seiwa Bldg., 1-12-15 Shiba Daimon, Minato-ku, Tokyo

Domestic bases

Niigata Plant (Gosen City, Niigata Prefecture) Saitama Plant (Sakado City, Saitama Prefecture)

Overseas bases

Eagle Simrax B.V. (The Netherlands)
Eagle Industry France S.A.S. (France)
EagleBurgmann India Private Limited (India)
EKK Eagle (Thailand) Co, Ltd. (Thailand)
P.T. Eagle Industry Indonesia (Indonesia)
Eagle Industry Wuxi Co., Ltd. (China)
Eagle Industry Taiwan Corporation (Taiwan)
NEK Co., Ltd. (South Korea)
EagleBurgmann New Zealand Limited (New Zealand)



NIPPON MEKTRON, LTD.

Head office

Seiwa Bldg., 1-12-15 Shiba Daimon, Minato-ku, Tokyo

Domestic bases

Minami-Ibaraki Plant (Tsukuba City, Ibaraki Prefecture) Kashima Plant (Kamisu City, Ibaraki Prefecture) Okuhara Plant (Ushiku City, Ibaraki Prefecture)

Overseas bases

Mektec Europe GmbH (Germany)

Mektec Manufacturing Corporation (Thailand) Ltd. (Thailand)
Mektec Manufacturing Corporation (Zhuhai) Ltd. (China)
Mektec Manufacturing Corporation (Suzhou) Ltd. (China)
Mektec Corporation (Taiwan)

SYNZTEC CO., LTD.

Head office

Seiwa Bldg., 1-12-15 Shiba Daimon, Minato-ku, Tokyo

Domestic bases

Yokosuka Plant (Yokosuka City, Kangawa Prefecture) Kuki Plant (Kuki City, Saitama Prefecture)

Overseas bases

SYNZTEC (MALAYSIA) SDN. BHD. (Malaysia)
SYNZTEC (VIETNAM) CO., LTD. (Vietnam)
SYNZTEC PRECISION PARTS (Shenzhen) CO., LTD. (China)
SYNZTEC PRECISION PARTS (Shanghai) CO., LTD. (China)
SYNZTEC OFFICE EQUIPMENT (Shenzhen) CO., LTD. (China)

NOK KLUEBER CO., LTD.

Head office

Seiwa Bldg., 1-12-15 Shiba Daimon, Minato-ku, Tokyo

Domestic bases

Kitaibaraki Plant (Kitaibaraki City, Ibaraki Prefecture)

■ NEOPT CORPORATION

Head office

Seiwa Bldg., 1-12-15 Shiba Daimon, Minato-ku, Tokyo

Domestic bases

Kawasaki Office (Kawasaki City, Kanagawa Prefecture)

UNIMATEC CO., LTD.

Head office

Seiwa Bldg., 1-12-15 Shiba Daimon, Minato-ku, Tokyo

Domestic bases

Plant No. 1 (Kitaibaraki City, Ibaraki Prefecture) Plant No. 2 (Kitaibaraki City, Ibaraki Prefecture)

Overseas bases

Unimatec Singapore Pte. Ltd. (Singapore)



Company Profile

Company name:

NOK CORPORATION

Established:

December 2, 1939

Head office:

1-12-15 Shiba Daimon, Minato-ku, Tokyo 105-8585

Website:

http://www.nok.co.jp/e/index.html

Capital:

23,335 million yen

Total number of authorized shares:

600,000,000

Total number of outstanding shares:

173,138,537

Stock exchange listing:

Listed on the first section of the Tokyo Stock Exchange (Security code: 7240)

Business details:

Manufacture, purchase, import, and sale of seals, industrial functional parts, hydraulic and pneumatic equipment, plant machinery, nuclear power equipment, synthetic chemical products, electronic products, and various other products; and the provision of associated services such as the installation of machinery and devices

