

# Investor Information

(as of March 31, 2014)

## Dai Nippon Printing Co., Ltd.

### Head Office:

1-1, Ichigaya-Kagacho 1-chome, Shinjuku-ku,  
Tokyo 162-8001, Japan

### Established:

1876

### Number of Employees (consolidated):

39,524

### Paid-in Capital:

¥114,464 million

### Number of Common Stocks:

Authorized: 1,490,000,000 shares  
Issued: 700,480,693 shares

### Number of Trading Unit Shareholders (own 1,000 or more shares):

28,001

### Stock Exchange Listings:

Tokyo Stock Exchange

### Major Shareholders:

	Shares (thousands)	Percentage (%)
The Master Trust Bank of Japan, Ltd. (Trust A/C)	41,175	6.39
Japan Trustee Services Bank, Ltd. (Trust A/C)	31,419	4.88
The Dai-ichi Life Insurance Co., Ltd.	30,882	4.79
Mizuho Bank, Ltd.	21,913	3.40
Employees' Shareholding Association	15,691	2.43
Nippon Life Insurance Company	10,116	1.57
The Bank of New York Mellon as Depositary Bank for Depositary Receipts Holders	8,109	1.26
STATE STREET BANK AND TRUST COMPANY 505225	7,752	1.20
Trust & Custody Services Bank, Ltd. as trustee for Mizuho Bank, Ltd. Retirement Benefit Trust Account re-entrusted by Mizuho Trust and Banking Co., Ltd.	6,658	1.03
The Bank of New York Mellon SANV 10	6,413	1.00

Notes: 1. The number of treasury shares (56,039,454) is excluded from the figures above.  
2. The ownership stakes are based on the total number of shares outstanding less treasury shares (644,441,239).

### Major Stock Indices in which DNP is a Constituent:

Nikkei Stock Average  
TOPIX Large70  
S&P/TOPIX 150  
Dow Jones Sustainability Indexes  
FTSE4Good  
ETHIBEL PIONEER & EXCELLENCE  
Morningstar Socially Responsible Investment Index

### Stock Code:

7912

### Administrator of Shareholder Register:

Mizuho Trust & Banking Co., Ltd.  
2-1, Yaesu 1-chome, Chuo-ku,  
Tokyo 103-8670, Japan

### American Depositary Receipts:

Ratio (ADR:ORD): 1:1  
Exchange: OTC (Over-the-Counter)  
Symbol: DNPLY  
CUSIP: 233806306  
Depositary:  
The Bank of New York Mellon  
101 Barclay Street, 22 West,  
New York, NY 10286, U.S.A.  
Telephone: (201) 680-6825  
U.S. toll free: 888-269-2377 (888-BNY-ADRS)  
URL: <http://www.adrbnymellon.com/>

### Annual Meeting of Shareholders:

The annual meeting of shareholders of DNP is normally held in June each year in Tokyo, Japan.

### Investor Relations:

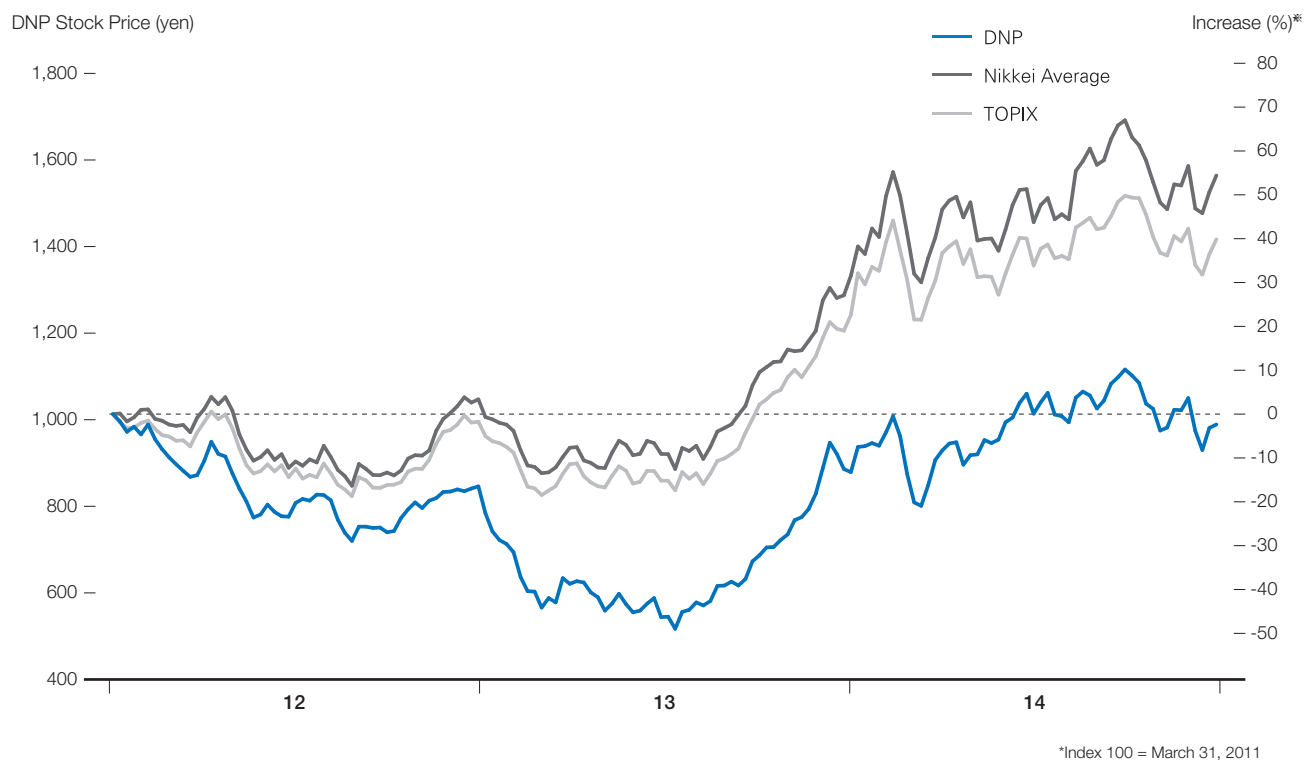
Dai Nippon Printing Co., Ltd.  
Corporate Communication Division  
IR Group, Press and Public Relations  
1-1, Ichigaya-Kagacho 1-chome, Shinjuku-ku,  
Tokyo 162-8001, Japan  
Tel: +81-3-5225-8220  
Fax: +81-3-5225-8239

### Web Site:

<http://www.dnp.co.jp/eng/>

## Share Price Evolution (Tokyo Stock Exchange)

(between April 1, 2011 and March 31, 2014)



## Voting Rights

(as of March 31, 2014)

Type	Number of Stocks (stocks)		Number of Voting Rights (rights)
Stocks with no voting rights	—		—
Stocks with limited voting rights (treasury stocks, etc.)	—		—
Stocks with limited voting rights (other)	—		—
Stocks with voting rights (Treasury held stocks)	Common stocks	56,039,000	—
(treasury stocks, etc.) (Mutually held stocks)	Common stocks	1,085,000	—
Stocks with voting rights (other)	Common stocks	641,277,000	641,276
Stocks with less than trading units	Common stocks	2,079,693	—
Outstanding shares	700,480,693		—
Total voting rights of stockholders	—		641,276

## Treasury Stocks

(as of March 31, 2014)

Holder	No. of Stocks Held	Percentage of Holding to No. of Outstanding Shares
Dai Nippon Printing Co., Ltd.	56,039,000	8.00
Kyoiku Shuppan Co., Ltd.	1,085,000	0.15
Total	57,124,000	8.15

# Major Subsidiaries and Affiliates

(As of March 31, 2014)

## Printing

		Capital (¥ million)	Ownership ratio of voting rights (%)
DNP Hokkaido Co., Ltd.	Film making, printing, bookbinding; production and sale of packaging	350	100.0
DNP Tohoku Co., Ltd.	Film making, printing, bookbinding; production and sale of packaging	350	100.0
DNP Chubu Co., Ltd.	Film making, printing, bookbinding; production and sale of packaging	350	100.0
DNP Nishi Nippon Co., Ltd.	Film making, printing, bookbinding; production and sale of packaging	400	100.0
DNP Shikoku Co., Ltd.	Film making, printing, bookbinding; production and sale of packaging	50	97.0
<b>Information Communication</b>			
<b>Books and Magazines</b>			
DNP Book Factory Co., Ltd.	Offset printing and bookbinding	200	100.0
DNP Media Art Co., Ltd.	Film making	180	100.0
OGUCHI BOOK BINDING & PRINTING CO., LTD.	Printing and bookbinding	50	84.9 (15.2)
Tien Wah Press (Pte.) Ltd.	Film making, printing and bookbinding	(S\$1,000) 4,600	100.0
<b>Commercial Printing</b>			
DNP Media Techno Kansai Co., Ltd.	Planning, production, film making, printing and bookbinding	200	100.0
DNP Graphica Co., Ltd.	Printing and bookbinding	100	100.0
DNP Media Create Co., Ltd.	Planning, production and film making	100	100.0
DNP Multi Print Co., Ltd.	Film making, printing and bookbinding	100	100.0
<b>Business Forms</b>			
INTELLIGENT WAVE, INC.	Credit card business; security systems construction	844	50.6
DNP Data Techno Co., Ltd.	Production of plastic cards	100	100.0
DNP Data Techno Kansai Co., Ltd.	Production of business forms and plastic cards	100	100.0
DNP Total Process Warabi Co., Ltd.	Film making and plate making	80	100.0
NBC Co., Ltd.*	Mailing of printed matter, etc.	20	100.0
DNP Media Support Co., Ltd.	Production and sale of all types of printed matter	10	95.0
<b>Other</b>			
DNP Art Communications Co., Ltd.	Planning, production and sale of artistic images and videos	300	100.0
DNP AV Center Co., Ltd.	Planning, production and sale of TV programs, movies and video software	100	100.0
DNP Digitalcom Co., Ltd.	Website planning, production and delivery	100	100.0
YouToo Co., Ltd.*	Provision of information over the Internet and mobile phones	50	100.0
CP Design Consulting Co., Ltd.*	Consultation for privacy protection and crisis management	40	92.5
M's Communicate Co., Ltd.*	Consultation and mediation for customer membership services	30	95.0
At Table Co., Ltd.*	Research, consulting and planning concerning production and sales promotions for supermarkets	30	66.7
DNP Social Links Co., Ltd.	Planning, development and operation of online advertising and computer systems	10	100.0
<b>Lifestyle and Industrial Supplies</b>			
<b>Packaging</b>			
LIFESCAPE MARKETING CORPORATION	Surveys and provision of various information	430	84.0
DNP Technopack Co., Ltd.	Production, printing and processing of packaging materials	300	100.0
Sagami Yoki Co., Ltd.	Production of laminated tubes	200	90.0
Aseptic Systems Co., Ltd.	Production, sale and consultation for aseptic systems	100	100.0
DNP Hoso Co., Ltd.	Filling and processing of packages	80	100.0
DNP Field Eyes Co., Ltd.	Surveys and provision of various information	50	100.0
PT DNP Indonesia	Production and sale of packaging products	(US\$1,000) 26,000	51.0
DNP Vietnam Co., Ltd.	Production and sale of packaging products	(US\$1,000) 24,000	100.0 (20.0)
<b>Lifestyle Materials</b>			
DNP Lifestyle Materials Marketing Co., Ltd.	Sale of decorative products	300	100.0
DNP Ello Co., Ltd.	Printing and processing of steel, aluminum and other metals	300	50.0
DNP Lifestyle Materials Co., Ltd.	Production, printing, processing of decorative materials	200	100.0
<b>Industrial Supplies</b>			
DNP Dream Pages Co., Ltd.	Computerized processing of image and text data; sales of processed data	400	100.0
DNP Energy Systems Co., Ltd.	Production and sale of coating films, multilayer films, and other films	200	100.0
DNP Photo Imaging Co., Ltd.	Investment in operating companies	100	100.0
DNP IMS Co., Ltd.	Production of ink ribbons for thermal resin-type transfer printers and for dye-sublimation thermal transfer printers	100	100.0
DNP Advanced Optics Co., Ltd.	Manufacturing of optical products	100	100.0
DNP Fotolusio Co., Ltd.	ID photo business and sale of photo materials and accessories	100	100.0 (33.3)
DNP ID System Co., Ltd.	Sale of equipment for making driver licenses and ID photos	60	100.0 (100.0)
DNP IMS Malaysia Sdn. Bhd.	Production and sale of ink ribbons for dye-sublimation thermal transfer printers	(RM 1,000) 190,000	100.0
DNP Denmark A/S	Production and sale of precision electronic components	(Dkr 1,000) 135,000	100.0
DNP IMS America Corporation	Production and sale of ink ribbons for thermal resin-type transfer printers and for dye-sublimation thermal transfer printers	(US\$1,000) 71,980	100.0 (100.0)
DNP Electronics America, LLC	Production and sale of precision electronic components	(US\$1,000) 15,045	100.0 (100.0)
Compagnie de Découpe de l'Ouest-CDO SAS	Production and sale of ink ribbons for dye-sublimation thermal transfer printers	(Euro 1,000) 3,040	23.4
DNP Photo Imaging Europe SAS	Sale of photo-related products	(Euro 1,000) 2,408	100.0 (100.0)
DNP IMS Netherlands B.V.	Production and sale of ink ribbons for thermal resin-type transfer printers and for dye-sublimation thermal transfer printers	(Euro 1,000) 1,000	100.0
<b>Electronics</b>			
<b>Display Components</b>			
DNP Color Techno Kameyama Co., Ltd.	Production and sale of color filters for LCDs	2,500	100.0
DNP Precision Devices Himeji Co., Ltd.	Production of display-related components	400	100.0

		Capital (¥ million)	Ownership ratio of voting rights (%)
<b>Electronic Devices</b>			
DT Fine Electronics Co., Ltd.	Production and sale of semiconductor components	490	65.0
DNP Fine Electronics Co., Ltd.	Production of display-related and semiconductor components	300	100.0
DNP LSI Design Co., Ltd.	Design and production of drawings used in semiconductor production	100	100.0
DNP Micro Technica Co., Ltd.	Inspection, processing and loading of precision electronic components	40	100.0
DNP Photomask Technology Taiwan Co., Ltd.	Production and sale of photomasks	(NT 1,000) 6,480,618	100.0 (0.3)DNP
Photomask Europe S.p.A.	Production and sale of photomasks	(Euro 1,000) 47,200	80.6
<b>Other</b>			
Nihon Unisys, Ltd.	Development and sale of software; computer system support services	5,483	22.1
2Dfacto, Inc.	Production, agency and sale of digitized books, magazines and other publications	4,340	73.8 (1.0)
Maruzen CHI Holdings Co., Ltd.	Investment in operating companies	3,000	53.0
Toshokan Ryutsu Center Co., Ltd.	Sale of books, creation of data, library operation support, and consulting	266	53.0 (53.0)
Maruzen Co., Ltd.	Educational and academic business; store operation; academic publishing and interior design, etc.	100	53.0 (53.0)
Maruzen Bookstores Co., Ltd.	Educational and academic business; store operation; academic publishing and interior design, etc.	50	53.0 (53.0)
MARUZEN PUBLISHING CO., LTD.	Publishing	50	53.0 (53.0)
honto Book Service Co., Ltd.	Production, agency and sale of digitized books, magazines and other publications	50	53.0 (53.0)
Junkudo Co., Ltd.	Sale of books	39	53.0 (53.0)
Yushodo Co., Ltd.	Import and sale of books, magazines, and other publications	35	53.0 (53.0)
SHUFUNOTOMO Co., Ltd.	Publishing	2,611	99.6
BOOKOFF CORPORATION LIMITED	Used bookstore operation; development and operation of new used goods businesses; management guidance for affiliated stores	2,564	18.3 (11.0)
BUNKYODO GROUP HOLDINGS CO., LTD.	Sale of books, magazines, CDs, DVDs, stationery, games, hobby-related products, etc.	2,036	51.9 (16.1)
DNP Fine Chemicals Co., Ltd.	Production and sale of chemical products	2,000	100.0
DNP Fine Chemicals Utsunomiya Co., Ltd.	Production, procurement and sale of organic and inorganic chemicals	100	100.0 (100.0)
All About, Inc.	Operation of website offering lifestyle information from specialists in various areas and Internet advertising	1,169	32.1
DNP Logistics Co., Ltd.	Packing, shipping operations, freight transport and warehouse management	626	100.0
DIC Graphics Corporation	Production and sale of printing ink	500	33.4
VISUAL JAPAN, INC.*	Development, sale, and maintenance of computer software	435	86.8
D.N.K. Co., Ltd.	Production, sale and repair of printing equipment and machine tools	100	100.0
DNP Trading Co., Ltd.	Sale and purchase of paper and other products	100	94.3
MobileBook.jp, Inc.	Electronic publishing and distribution platform services and e-book distribution service	100	63.5
DNP SP Tech Co., Ltd.	Planning and production of promotional materials	80	100.0
Kyoiku Shuppan Co., Ltd.	Editing and sale of textbooks and educational materials	60	48.3
My Earth Projects LLC *	Planning, production and sale of trading cards	50	99.8
DNP Asia Pacific Pte. Ltd.	Coordination of DNP businesses in the Southeast Asia/Oceania region	(S\$1,000) 2,000	100.0
DNP Business Consulting (Shanghai) Co., Ltd.*	Study of Chinese market and business feasibility	(US\$1,000) 420	100.0
<b>Personal Welfare, Facility Service and Others</b>			
DNP Facility Services Co., Ltd.	Building management, cleaning and security; operation of public health and recreation facilities	350	100.0
DNP Information Systems Co., Ltd.	Design, development and maintenance of information systems; production and sale of software	100	100.0
DNP Human Services Co., Ltd.	Planning and management related to personnel plans	90	100.0
Uzumine Country Club Co., Ltd.*	Management of golf courses	33	88.8
DNP Accounting Services Co., Ltd.	Accounting agency and consulting services	30	100.0
DNP Techno Research Co., Ltd.*	Studies related to patents and the preparation of contracts	20	100.0
<b>Overseas Sales</b>			
DNP Korea Co., Ltd.*	Sale of precision electronic components	(Krw 1,000) 500,000	100.0
DNP Corporation USA	Investment in operating companies	(US\$1,000) 62,164	100.0 (7.2)
DNP Taiwan Co., Ltd.	Sale of precision electronic components	(NT 1,000) 10,000	100.0
DNP International Trading (Shanghai) Co., Ltd.*	Sale of printed matter (commercial printing and packaging materials)	(US\$1,000) 5,400	100.0
DNP Singapore Pte. Ltd.*	Sale of precision electronic components and decorative materials	(S\$1,000) 350	100.0
DNP UK Co., Ltd.*	Sale of decorative materials	(£1,000) 120	100.0
DNP America, LLC	Sale of printed materials, precision electronic components, and decorative materials	(US\$1,000) 100	100.0 (100.0)
DNP Holding USA Corporation	Investment in operating companies	(US\$1,000) 100	100.0 (100.0)
DNP Europa GmbH*	Sale of precision electronic components and decorative materials	(Euro 1,000) 92	100.0
Dai Nippon Printing Co. (Australia) Pty. Ltd.*	Sale of printed materials and decorative materials	(A\$1,000) 70	100.0
<b>Beverages</b>			
Hokkaido Coca-Cola Bottling Co., Ltd.	Production and sale of soft drinks	2,935	60.0 (6.8)

Notes: 1. Voting rights ownership ratios (in brackets) indicate the percentage of shares owned through DNP's subsidiaries or affiliates.  
2. Companies with an asterisk are neither consolidated nor accounted for by the equity method.

# Glossary

## 1. Terms Related to the DNP Group

### ■ Management Concept

The DNP Group will contribute to the emergently evolving society of the 21st century.

### ■ Business Vision “P&I Solutions DNP”

We will identify and solve the problems and issues that consumers and corporate clients face within the emergently evolving society by fusing our Printing Technologies (PT) and Information Technologies (IT).

### ■ Guiding Principles

Actions DNP should take in order to achieve our business vision and realize our management concept

1. Engage in *Taiwa*\* with all persons concerned.
2. Work with an independent and collaborative mind-set in order to solve problems.
3. Challenge courageously, even in the face of difficult issues.
4. Act with integrity, fairness, and impartiality, at all times.
5. Be responsible for your own decisions and conduct.

### ■ The DNP Group Code of Conduct

A set of codes underlying all types of activities that express DNP's corporate ethics. All DNP Group employees must obey these codes.

- Contributing to the development of society
- Social contribution as a good corporate citizen
- Compliance with the law and social ethics
- Respect for human dignity and diversity
- Environmental conservation and the realization of a sustainable society
- Realization of a ‘universal society’
- Ensuring the safety and quality of our products and services
- Ensuring information security
- Proper disclosure of information
- Realization of a safe and vibrant workplace

## ■ DNP Group's CSR

CSR (Corporate Social Responsibility) is generally defined as “the responsibilities of a corporation to society,” but we at the DNP Group go further, viewing CSR as “being a company that is trusted by society.”

By simultaneously meeting the three vital corporate responsibilities—“Value Creation,” “Integrity in Conduct,” and “Transparency (Accountability)” — we seek to continue being a trusted company.

1. Value Creation:  
Providing new value to society
2. Integrity in Conduct:  
Practicing fairness and impartiality in the value creation processes
3. Transparency (Accountability):  
Being a company that is accountable and highly transparent

## 2. Information Communication

### ■ Augmented reality (AR)

A technology for synthesizing images, text, or other virtual information with an actual scene or object in the physical presence of the user, so as to create a rich expression that augments the experience of reality. For example, a webcam or mobile phone-mounted camera may record images or identification codes along with images of the surrounding environment, all of which are synthesized and displayed together with preregistered information such as 3D computer graphics.



A picture book using augmented reality

### ■ Big data

Massive amounts of data of varying types, such as trends in consumer usage of information services, merchandise purchasing records, or global climate changes. In recent years, big data has attracted attention as a source of important information for companies, including consumer preferences, and indicators for predicting buying patterns. Big data can be used by businesses more effectively now that smartphones and other information terminals are more widely used along with social networking and other information services.

### ■ Business Process Outsourcing (BPO)

Contracting out the execution of some of a company's business processes to an outside provider that has specialized technology or expertise.

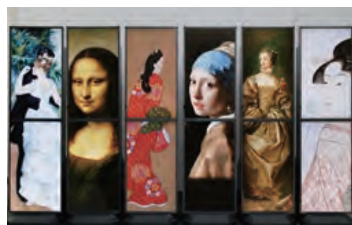
\* *Taiwa* is a process that entails identifying problems and finding solutions through the exchange of viewpoints and ideas.

### ■ The cloud

A nickname for cloud computing. Cloud computing makes it possible to share and use software and data via Internet or some other network of remote servers, rather than using individual computers to manage and use the software and data, as was done in the past. Some say it is called cloud computing because the system is represented by a cloud in diagrams depicting the network structure. Cloud computing saves users money because they don't need to set up their own system. It saves time and trouble because users do not need to purchase and install software or back up their own data.

### ■ Digital signage

An advertising medium that uses large, flat-panel displays linked to an information network in order to broadcast up-to-the-minute, localized information in stores, train stations, or other public spaces. Digital signage can be made to function interactively, so that consumers can display the specific information they need by using a touch panel or mobile phone, etc.



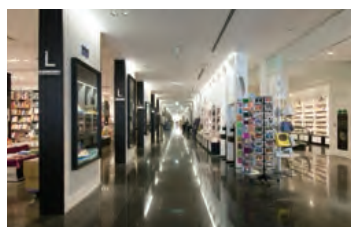
"Tall Vision" display consisting of 12 linked panels

### ■ Electronic library

A service that lends electronic books to libraries by providing them via the Internet after receiving permission from the publisher. As of July 2014, about 20 Japanese libraries were participating. The system is expected to provide new opportunities for the sale of published content.

### ■ Hybrid bookstore network "honto"

A service that sells both paper and electronic books by integrating DNP's e-book sales service, online bookstore for printed books, and physical bookstore chain operators Maruzen, Junkudo and Bunkyo. The service provides such features as a "recommend function" that suggests products a customer might like based on their previous purchase history from all three sales formats, a shared customer loyalty "point service" that allows customers to accumulate hybrid points regardless of which sales format they use, and an "electronic book shelf function" that displays all of the paper books and e-books a particular customer has purchased. The service has been fully operating since June 2012.



Maruzen's main bookstore in Tokyo's Marunouchi district

### ■ IC tag; also called RFID (radio frequency identification) tag

An electronic device combining a miniature antenna with an IC chip that records information. Radio communication between an IC tag and a dedicated reading device makes it possible to distinguish the individual item that has a particular IC tag attached to it. IC tags take a variety of forms, including labels, cards, and coins.



### ■ Information Processing Services (IPS)

DNP offers a uniquely broad menu of business services including inputting and safely transmitting massive amounts of personal information and other data, editing and processing, printing, producing, mailing and/or transmitting invoices, usage statements, and other forms of personalized mail—all in environments protected by advanced information security.



Personalized mail

### ■ Lippmann hologram

A type of hologram, which is a three-dimensional image recorded using a split laser beam. Lippmann holograms are excellent for expressing vertical and horizontal three dimensionality and a sense of depth. In addition, they are extremely hard to counterfeit because their production requires special equipment. These holograms have garnered praise around the world for providing a high level of security and potential for outstanding designs.





#### ■ Shueitai

An original font that DNP has been developing since the early 1900s. This beautiful, easy-to-read font with a graceful, sleek design has won high praise from book publishers and readers. We created a digital version in the 1970s and began licensing its use as of 2001. In 2005, we undertook a project called “Heisei no Dai Kaikoku” (engraving improvement project), which is aimed at improving the existing digital font and developing new fonts.



#### ■ Smart card

A card that contains one or more IC (integrated circuit) chips enabling data input, output and computing. Smart cards that employ advanced methods of user authentication, such as biometrics or encryption, are widely used in a broad range of applications including cash cards, credit cards, electronic money, transportation cards, and employee ID cards. Compact SIM (Subscriber Identity Module) cards that identify mobile phone subscribers are also a type of smart card. DNP entered the smart card business in the 1980s. In addition to developing the MULTOS operating system and various software applications for smart cards, we provide a wide variety of services such as smart card manufacture and personalization, and provision of online security services.



Smart card

### 3. Lifestyle and Industrial Supplies

#### ■ Anti-reflection (AR) film

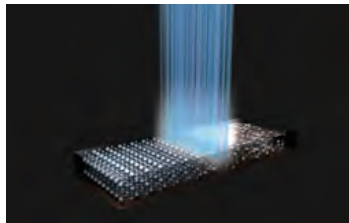
Film applied to the surface of display screens in devices like computers or televisions in order to prevent outside light or interior light from reflecting off the screen. There are various types of AR films including anti-glare (AG) and low reflection (LR) films. DNP supplies a variety of these products by making use of coating and other technologies to apply thin, uniform coatings of light-diffusing materials to rolls of base film.

#### ■ Biomass material

“Biomass” may refer to the total quantity of organisms living in a particular area, or it may mean organic resources derived from living things other than petroleum or other fossil resources. Biomass material is made from resources of biological origin, such as vegetable resins or natural fibers. Biomass material has attracted attention as a material that puts relatively little strain on the environment due to the idea that CO<sub>2</sub> absorbed by plants during their growing process cancels out the CO<sub>2</sub> emitted when the material is burned. Since biomass material is a renewable resource, supplies are expected to be stable.

#### ■ EB (Electron Beam) coating technology

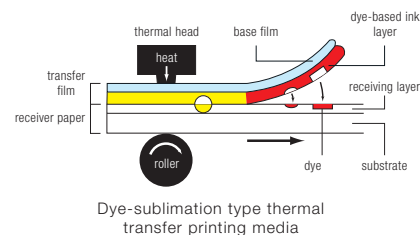
DNP's original technique for hardening a coat of resin by exposing it to electron beams. EB technology makes it possible to form films with harder surface than products coated with urethane or UV-cured resin. It also makes it possible to provide products with superior abrasion and soil resistance, photo-resistance, durability, and stability. In addition, the EB coating technique uses less energy, generates less carbon dioxide, and enables coating without the use of solvents, making it an eco-friendly, next-generation manufacturing method.



EB Coating (an image)

#### ■ Ink ribbon

A rolled strip of film to which a thin, uniform layer of ink has been applied; used in thermal transfer printers. There are two types of thermal transfer printers. Heat from the thermal head of a thermal resin-type printer transfers ink from the ribbon by melting it, while dye-sublimation-type printers vaporize ink in order to transfer it to paper. Most of the thermal-resin ink ribbons that DNP provides are monochrome ribbons used for barcode printers, while most of the dye-sublimation type are color ribbons used for photo printing. DNP has developed a lineup of dye-sublimation thermal transfer printing media consisting of ink ribbons in the three primary printing colors (yellow, magenta, and cyan, or YMC) and special receiver paper. These products make it possible to express very smooth color tones.



#### ■ IB (Innovative Barrier) film

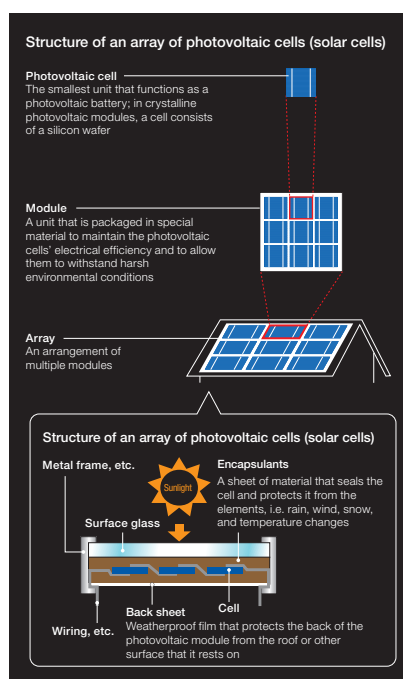
Packaging film made by DNP that is highly impermeable to water vapor and oxygen, highly transparent, and highly heat-resistant. It is used mainly for wrapping foods, medical supplies and pharmaceuticals, and electronic components. IB film is made by forming a thin, uniform coating of a material that boosts impermeability on a transparent base film.



IB film packages

## ■ Photovoltaic module components

- Back sheets are weatherproof films that protect photovoltaic modules from external elements. They prevent precipitation from entering modules, making it possible to use them outdoors for a long period of time. Back sheets must be very durable and moisture-proof, and have good electrical insulating properties.
- Encapsulants are protective sheets used to secure photovoltaic cells and their peripheral wiring in place, and to form photovoltaic modules. An encapsulant forms a strong bond between a module's back sheet and its front glass.



## ■ Regenerative medicine

A therapeutic method using artificially cultivated cells or tissues to restore or recover the function of tissue or organs lost through disease or accident.

## ■ “Soft pack” for lithium-ion battery

A laminated packaging film that seals in battery materials such as electrolytes and separators. Compared to conventional metal can-type packaging, a soft pack allows greater freedom in designing a battery's shape and dimensions and can help reduce its weight and cost. Another advantage is that the soft pack releases pressure from inside the battery, preventing deformation from excess heat.



## 4. Electronics

### ■ B<sup>2</sup>it (pronounced “bee-square-it”)

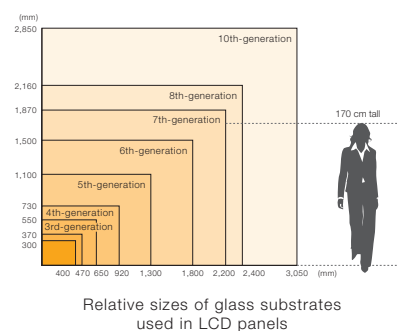
DNP's proprietary technology for connecting layers in a buildup board by using bumps of conductive paste formed by means of screen printing. A buildup board is a printed board made by alternating insulating layers and wiring layers.

### ■ Lead frame

A metal component inside a semiconductor package that supports the semiconductor chip or chips and transmits electric signals.

### ■ Liquid crystal display (LCD) color filter

A component needed for coloring LCDs. It consists of pigments in the three primary colors of light—red, green, and blue (RGB)—arrayed in a pattern on a glass substrate. Passing light through the color filter causes colored images to be displayed. There are also different methods of aligning liquid crystal molecules when manufacturing LCD panels: the vertical alignment (VA) method and the In Plane Switching (IPS) method. LCDs display images by using variations in voltage to change the orientation of liquid crystal molecules, thereby controlling the amount of light that passes through. With the VA method, the liquid crystal molecules are arranged vertically, whereas with the IPS method, they are arranged horizontally. DNP provides color filters that suit the characteristics of LCD panels manufactured by both methods.



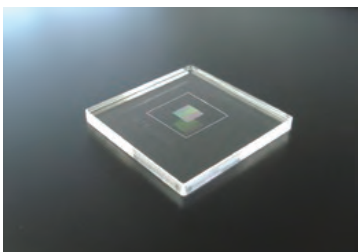


## ■ MEMS (Micro Electro Mechanical System)

An electronic device that integrates components like IC chips, sensors and electronic circuits into a three-dimensional structure mounted on a base, which is usually a silicon wafer.

## ■ Nanoimprinting

Nanoimprinting is a manufacturing process used to make next-generation semiconductor products. Making semiconductors by nanoimprinting entails pressing a template against a resin-coated silicon wafer so that the minute, nanometer-level pattern on the template is physically transferred to the resin. Because nanoimprinting uses relatively simple production equipment compared to the complicated optical equipment required for conventional methods, it can bring down the cost of manufacturing.



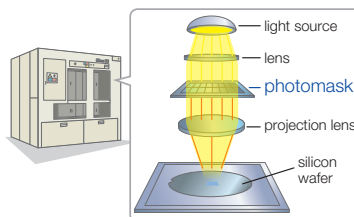
Master template for nanoimprinting

## ■ Photolithography

A technology for exposing the surface of a substrate coated with photosensitive material to light, so that the exposed areas and unexposed areas form a particular pattern. DNP has honed its photolithographic techniques through the production of masters used for printing. Today, we apply these technologies to the manufacture of color filters and various other types of electronic devices. In recent years, we have been developing the next-generation photolithography techniques using extreme ultraviolet (EUV) rays as a new light source.

## ■ Semiconductor photomask

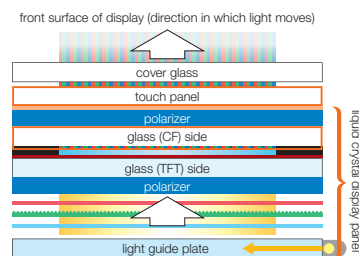
A photomask is a master used for forming semiconductor circuits. It consists of minute circuit patterns drawn on a glass substrate. Semiconductors are made by passing light through a photomask in order to transfer circuit patterns onto a wafer coated with a photosensitive resist, and then using etching or a similar process to embed the pattern in the wafer.



Photolithography machine for making semiconductors

## ■ Touch panel sensor

Touch panels are used on devices like smartphones and tablet PCs. They enable intuitive manipulation of data—for example enlarging, shrinking, or “turning pages” by touching the screen with fingertips. Touch panel sensors receive signals indicating the locations where a fingertip has touched the panel. DNP makes a piece of glass or film function as a sensor by forming electrodes on it in a grid pattern, and delivers the final products to touch panel manufacturers. DNP uses its micro patterning technologies in the manufacture of touch panel sensors.



Example of a touch panel combined with a liquid crystal display panel

## About the Illustration on the Cover of this Report

The motif on last year's Annual Report cover was sprouting seeds, symbolizing DNP's rich diversity and bright future. Those seeds grew into plants that flowered for the sake of the Earth's future. Our diverse human resources and technologies are like flowers; when we combine their strengths, they form bouquets. We want them to keep on contributing to the development of society.

### Norito Shinmura, Graphic designer

Born in Yamaguchi Prefecture in 1960. Graduated from Osaka Designers' College. Founded Shinmura Design Office after working for Shin Matsunaga Design Inc. Notable projects include work for Shiseido Co., Ltd., Muji Campground, McDonald's Japan, SSP Co., Ltd., Shinmura Fisheries and the Tokyo Olympic bid committee. Major awards include the Japan Graphic Designers Association (JAGDA) New Designer Award, Mainichi Advertising Design Award (Grand Prix), Environmental Advertising Contest Award (Grand Prize), New York Art Directors Club (ADC) Award (Silver Prize), International Biennale of Graphic Design in Brno Award (Gold Prize), and Tokyo Art Directors Club (ADC) Award.



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# Sources of Information about DNP

## Web Site (English: <http://www.dnp.co.jp/eng/>)

Our web site introduces our operations in a format that is easy to understand. In addition to disclosing information at appropriate times and in appropriate ways, we are continuously improving the site. The following publications and reports are also available as PDF files that can be downloaded from the web site.

## Publications

### ■ Annual Report (Japanese and English versions)

Near the end of July every year, we release a Japanese version and an English version. The report contains financial information, explanations of our business strategies, and other relevant information about our business activities during a particular fiscal year.

### ■ Data Book (Bilingual: Japanese/English; available only as PDF file for download from web site)

Issued near the end of July every year, the Data Book contains values from financial statements of the past 10 years, and financial analysis values in the form of tables and graphs, etc. The Data Book is published in PDF format on DNP's Investor Relations site. Financial statement values are taken from securities reports.

### ■ "DNP Report" Report to Shareholders (in Japanese)

This report is delivered quarterly to shareholders. Its contents include summaries of financial results, special features about business activities, and introductions to various technologies.

### ■ DNP Group CSR Report (Japanese and English versions; English version available only as PDF file for download from web site)

Each year around the end of June, we issue a report about DNP's corporate social responsibilities. We also have been issuing an annual "Eco-Report" since the first issue appeared in 1998.

### ■ DNP Corporate Profile (Corporate Brochure: Japanese and English versions)

This publication introduces each segment's products and services, operating locations in Japan and around the world, company history, a summary of our activities, and other basic information about DNP.



DNP English Web Site  
(<http://www.dnp.co.jp/eng/>)



"DNP Report" to shareholders



DNP Group CSR Report

## Reports

### ■ "Yuho" Annual Securities Report, etc. (in Japanese)

In accordance with Article 24 of the Securities Exchange Law, DNP submits quarterly reports to the Finance Ministry in August, November, and February. In June, DNP submits a quarterly report combined with a "Yuho" annual securities report. These are broad-ranging reports that include consolidated financial statements with auditing reports attached, non-consolidated financial statements, performance reviews, information about shares and corporate directors, etc.

### ■ "Tanshin" Earnings Release (Japanese and English versions)

In accordance with Tokyo Stock Exchange rules, we prepare earnings releases for each quarter. In addition to consolidated financial statements, we report on the status of sales, etc.

Note: Trademarks mentioned in this annual report in connection with DNP products or services are used or registered in Japan.