

## Annual Report 2012

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\* All years shown are for the accounting year ending March 31 of the year shown.

\* The Kuse site was closed in April 2011.

# Social Report

## Employees

### Number of employees

		2010	2011	2012
(Dainippon Screen)	Men	1,981	1,937	<b>1,954</b>
	Women	143	130	<b>135</b>
	Total	2,124	2,067	<b>2,089</b>
(Entire Screen Group)		4,679	4,732	<b>4,890</b>

### Number of employees by age group (Dainippon Screen)

	20-29	30-39	40-49	50+	Total
As of March 31, 2009	252	524	1,034	522	2,332
As of March 31, 2010	283	452	975	414	2,124
As of March 31, 2011	242	405	949	471	2,067
<b>As of March 31, 2012</b>	<b>220</b>	<b>388</b>	<b>920</b>	<b>561</b>	<b>2,089</b>

\* Calculations based on certified financial statements from the fiscal year ended March 31, 2010, to March 31, 2012

### Average age of regular employees (Dainippon Screen)

	2009	2010	2011	2012
Men	43.0	42.0	42.9	<b>43.6</b>
Women	36.9	36.4	37.1	<b>38.1</b>
All employees	42.6	41.6	42.5	<b>43.3</b>

### Average number of years of service per regular employee (Dainippon Screen)

	2009	2010	2011	2012
Men	18.6	17.6	18.2	<b>19.0</b>
Women	14.7	14.1	14.2	<b>15.2</b>
All employees	18.4	17.4	17.9	<b>18.7</b>

### Average annual salary per employee (Dainippon Screen)

(Yen)

	2009	2010	2011	2012
All employees	8,331,000	6,719,000	7,095,000	<b>9,110,000</b>

\* Rounded down to the nearest ¥1,000

### Turnover (Dainippon Screen)

	2011				
	Use of early retirement system	Own volition	Company decision	Employment transfer	Other
Men	0	8	0	3	3
Women	0	8	0	0	0
Total	0	16	0	3	3
	2012				
	Use of early retirement system	Own volition	Company decision	Employment transfer	Other
Men	4	8	0	11	2
Women	0	2	0	0	0
Total	4	10	0	11	2

\* Excludes retirees.

## Diversity

### Number of female employees (Dainippon Screen)

	2007	2008	2009	2010	2011	2012
General	44	57	68	64	58	<b>59</b>
Clerical	122	116	111	79	72	<b>76</b>
Temporary	3	2	7	0	0	<b>0</b>
Total	169	175	186	143	130	<b>135</b>

\* Figures are for female employees who are employed directly by Dainippon Screen Mfg. Co., Ltd. In the year ended March 31, 2009, temporary staff included three people employed on a trial basis.

### Ratio of men to women among management and executives (Dainippon Screen)

	2011			2012		
	Managers	(of whom, General Managers or higher)	Directors, corporate officers and corporate auditors	Managers	(of whom, General Managers or higher)	Directors, corporate officers and corporate auditors
Total	248	86	17 (4 directors, 11 corporate officers and 2 auditors) Three outside directors and two outside corporate auditors in addition to the above	256	99	21 (6 directors, 13 corporate officers and 2 auditors) Three outside directors and two outside corporate auditors in addition to the above
Men	248	86	17	256	99	21
Women	0	0	0	0	0	0
Ratio of female staff	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

\* Calculation categories have changed from the 2012 Data sheets. As a result, figures may differ from those included in the 2011 Data Sheets.

### Ratio of non-Japanese managers and executives (Dainippon Screen)

	2011			2012		
	Managers	(of whom, General Managers or higher)	Directors, corporate officers and corporate auditors	Managers	(of whom, General Managers or higher)	Directors, corporate officers and corporate auditors
Total	248	86	17	256	99	21
Japanese	248	86	17	256	99	21
Non-Japanese	0	0	0	0	0	0
Ratio of non-Japanese staff	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

\* Calculation categories have changed from the 2012 Data sheets. As a result, figures may differ from those included in the 2011 Data Sheets.

### Number of non-Japanese employees at business and production sites in Japan (Dainippon Screen)

	2010	2011	2012
Non-Japanese regular employees	20	20	19
Ratio of non-Japanese regular employees	0.9%	0.9%	0.9%

### Employment of people with disabilities

	2011	2012
Number employed	42	41
Employment ratio	1.90%	1.86%

\* The legal requirement is 1.80%.

### Reemployment of staff past retirement age

	2010	2011	2012
Number of employees at the company reemploying staff	84	84	70

## ◆ Employment creation

### Number of new university graduates employed (Dainippon Screen)

	2009	2010	2011	2012
Total	80	62	1	22

### Number of mid-career employees hired (Dainippon Screen)

	2009	2010	2011	2012
Total	3	1	0	17

### Hiring of New Graduates (Dainippon Screen)

(%)

Percentage of people hired in April 2008 who were still employed in April 2011	94.8
Percentage of people hired in April 2009 who were still employed in April 2012	98.3

## ◆ Work-life balance

### Number of employees on child-care/family health care leave (Dainippon Screen)

		2007	2008	2009	2010	2011	2012
Number of employees on child-care leave (Year leave started)	Men	2	1	1	0	0	0
	Women	8	8	6	11	16	7
	Total	10	9	7	11	16	7
Number of employees on family health care leave	Men	3	0	0	0	2	1
	Women	1	0	0	2	0	0
	Total	4	0	0	2	2	1

\* Seven male employees have taken child-care leave and three have taken reduced work-hours for child-care.

\* A system is in place that provides male employees with five days of special paid leave when their wife gives birth.

## Ratio of employees on child-care leave (Dainippon Screen)

(%)

		2007	2008	2009	2010	2011	2012
Ratio of employees on child-care leave	Men	2.60	1.23	1.18	0	0	0
	Women*	100	100	100	100	100	100
	Total	12.05	10.23	7.69	14.29	17.98	9.72

\* Child-care leave is taken by all female employees for childbirth, so the rate of child-care leave takers among these female employees is recorded as 100%.

## Number of employees taking maternity leave (Dainippon Screen)

	2009	2010	2011	2012
	7	12	14	8

\* Term of leave: Statutory (six months prenatal, eight months postnatal)

\* Remuneration during maternity leave: Unpaid; however, 100 % of compensation by the Mutual Aid Society and Welfare Foundation, including maternity allowance. (Welfare Foundation was integrated into the Mutual Aid Society in the year ended March 31, 2010.)

## Ratio of employees using paid leave (Dainippon Screen)

(%)

	2007	2008	2009	2010	2011	2012
Ratio of employees using paid leave	70.8	70.98	70.4	58.5	57.8	74.7

\* The Company has a volunteer leave system and participates in the Japan Overseas Cooperation Volunteers program.

## Human resource development

### Career paths

Treatment	Human resource utilization
Flextime system	Self-enumeration system
Child support system	Internal recruiting system
Performance-linked bonuses	In-house inter-departmental transfer system
	Target management system
	In-house internship system

### Employee education

Training and self-development support system	Others
Rank-based education	Doctorate support system
Skills and knowledge education	Overseas study and training system
Engineer education	
Selective education	
Education supporting career development	
Financial rewards system for employees who obtain qualifications	
Distance learning subsidy system	

## Compliance training

2010				
	Dainippon Screen	Number of recipients	Group companies	Number of recipients
Seminars	Compliance—general	432	Compliance—general	32
	Appropriate contracting and temporary employment	52	Appropriate contracting and temporary employment	29
	Interpretation of points from Japan's Subcontractor Act	45	Interpretation of points from Japan's Subcontractor Act	7
	Insider trading regulations	51	Client information management	102
	Total	587	Total	163
2011				
	Dainippon Screen	Number of recipients	Group companies	Number of recipients
Seminars	Compliance—general	277	Compliance—general	295
	Appropriate contracting and temporary employment	212	Appropriate contracting and temporary employment	112
	Interpretation of points from Japan's Subcontractor Act	49	Interpretation of points from Japan's Subcontractor Act	36
			Client information management	167
			Insider trading regulations	36
Total	538	Total	646	
2012				
	Dainippon Screen	Number of recipients	Group companies	Number of recipients
Seminars	Compliance—general	272	Compliance—general	47
	Appropriate contracting and temporary employment	20	Appropriate contracting and temporary employment	0
	Interpretation of points from Japan's Subcontractor Act	20	Interpretation of points from Japan's Subcontractor Act	0
	Preventing sexual and power harassment	20	Preventing sexual and power harassment	59
			Fixed-term employment contract	16
Total	332	Total	122	

## Patents

	2010	2011	2012
Number of patent applications (number of laid-open patents*)	396	258	240
Number of patents granted (number of registered patents**)	219	183	199
Number of employee inventions reviewed	69	40	33

\* The number of patents issued and laid open as public information by the Japan Patent Office during the corresponding fiscal year.

\*\* The number of patents registered by the Japan Patent Office as patent rights during the corresponding fiscal year.

## Occupational health and safety

### Number of Accidents and Incidents (Dainippon Screen Group in Japan)

	2008	2009	2010	2011	2012
Accidents - Affiliates	7	4	2	2	2
Incidents - Affiliates	10	8	4	4	4
Accidents - Group companies	3	10	6	5	0
Incidents - Group companies	13	9	8	8	8
Accidents - Dainippon Screen	6	3	5	6	3
Incidents - Dainippon Screen	9	3	3	2	5
Incidents resulting in four or more days of lost work	3	2	4	3	2

### Occupational health and safety activities Targets and performance

2010	Targets	Results	Performance
Incidents resulting in four or more days of lost work	Up to two incidents	×	4
Incidents points*	Up to 300 points	×	400 points
Accidents or incidents – at customers	Up to seven incidents	×	9
Fatal traffic accidents or incidents	Up to five incidents	×	17
Periodic health examination	100%	○	100%

\* An index used by the Dainippon Screen Group to indicate the gravity of incidents

○:Achieved ×:Not achieved

### Occupational health and safety activities Targets and performance

2011	Targets	Results	Performance
Incidents resulting in four or more days of lost work	Up to one incidents	×	3
Incidents points*	Up to 300 points	×	330 points
Accidents or incidents – at customers	Up to six incidents	×	8
Fatal traffic accidents or incidents	Up to five incidents	×	8
Periodic health examination	100%	○	100%
Health examination of employees posted overseas	100%	×	85%
Perform stress management (Introducing stress management check test)	100%	×	97.5%

\* An index used by the Dainippon Screen Group to indicate the gravity of incidents

○:Achieved ×:Not achieved

### Occupational health and safety activities Targets and performance

2012	Targets	Results	Performance
Incidents resulting in four or more days of lost work	Up to one incidents	×	2
Incidents points*	Up to 300 points	○	300 points
Accidents or incidents – at customers	Up to five incidents	×	6
Fatal traffic accidents or incidents	Up to five incidents	×	18
Periodic health examination	100%	○	100%
Health examination of employees posted overseas	100%	×	84%
Perform stress management (Introducing stress management check test)	100%	×	96.50%

\* An index used by the Dainippon Screen Group to indicate the gravity of incidents

○:Achieved ×:Not achieved

### Ratio of Accidents and Incidents (Dainippon Screen)

	2006	2007	2008	2009	2010	2011	2012
Frequency of incidents (Dainippon Screen)	0.21	1.08	0.21	0.21	0.50	0.25	0.24
Average frequency of incidents during production	1.01	1.02	1.09	1.02	0.99	0.98	1.05
Average frequency of incidents during production of electrical machinery and equipment	0.40	0.37	0.39	0.48	0.46	0.49	0.44

Frequency rate = (Number of injuries or deaths/hours worked) x 1,000,000

\* Number of injuries or deaths from accidents or incidents per 1 million hours of work.

\* In the year ended March 31, 2012, the definition of workplace accidents or incidents (resulting in injury or death) from those resulting in four or more days of lost work to one or more days. As a result, figures may differ from those included in the 2011 Data Sheets.

### Ratio of industrial and workplace accidents (Dainippon Screen)

	2006	2007	2008	2009	2010	2011	2012
Dainippon Screen enhancement ratio for eradication of accidents and incidents	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average frequency of incidents during production	0.09	0.11	0.10	0.10	0.08	0.09	0.08
Average frequency of incidents during production of electrical machinery and equipment	0.02	0.05	0.05	0.04	0.02	0.13	0.02

Enhancement ratio = (days of work lost / total working hours) x 1,000

\* Indicates number of days lost per 1,000 hours of work.

\* In the year ended March 31, 2012, the definition of workplace accidents or incidents (resulting in injury or death) from those resulting in four or more days of lost work to one or more days. As a result, figures may differ from those included in the 2011 Data Sheets.

## Number of recipients of occupational health and safety education (Dainippon Screen Group in Japan)

	Education for new employees*	Follow-up education for new employees**	Management education	Foreman education	Supplementary foreman education	Risk assayer education	Education on the prevention of and response to infectious disease in the workplace***
2009	105	—	114	143	182	35	—
2010	88	88	123	152	52	27	—
2011	1	1	72	91	2	49	3,078
2012	41	27	71	76	—	48	—

\* During the year ended March 31, 2011, education provided to one mid-career recruit. Provided to 0 new employees hired in April 2010.

\*\* Follow-up education for new employees has been implemented from the fiscal year ended March 31, 2010.

\*\*\* Conducted e-learning to raise awareness of infectious disease among all employees throughout the domestic Screen Group, as well as on prevention and response.

## Awards and external assessment results (related to CSR)

### 2012

#### Related to the environment

Subjects		Organization	Name of initiative	Results
Dainippon Screen Mfg. Co., Ltd., TRANSUP Japan Co., Ltd.	December 2011	Ministry of Land, Infrastructure, Transport and Tourism (Eco-Ship Modal Shift Promotion Committee)	Certification System for Excellent Companies Employing Eco-Ships and Modal Shifts	Certification
	February 2012	Ministry of Land, Infrastructure, Transport and Tourism Maritime Bureau	Ministry of Land, Infrastructure, Transport and Tourism Maritime Bureau Chief Award	Awards
Dainippon Screen Mfg. Co., Ltd.	January 2012	Nikkei Inc.	The 15th Environmental Management Survey	148th position
	November 2011	Carbon Disclosure Project(CDP)	Carbon Disclosure Project (CDP) 2011 Japan500	Disclosure Score : 69 Performance Score : C

#### Related to occupational health and safety

Subjects		Organization	Name of initiative	Results
Head Office	October 2011	Kyoto Labour Bureau	Kyoto Zero-Incident Three-Month Campaign	Achieved
Rakusai Site	July 2011	Minister of Health, Labour and Welfare	Minister of Health, Labour and Welfare Incentive Award (Occupational Health and Safety Activities)	Awards
Kumiyama Plant	October 2011	Kyoto Labour Bureau	Kyoto Zero-Incident Three-Month Campaign	Achieved
Yasu Plant	May 2012	Otsu Chapter, Shiga Workplace Standards Association	Establishment of no accident record for four types of accidents	Verification document
	May 2012	Moriyama Yasu Safe Driving Management Committee	Fiscal 2011 Accident- and violation-free driving	Awards
Hikone Plant	September 2011	Kinki Region Traffic Safety Association, Kinki Regional Constabulary	Superior Traffic Safety Worksite	Awards
	March 2012	Hikone/Inugami Region Safe Driving Managers Association	Fiscal 2011 Site-Specific Movement to Eliminate Traffic Accidents and Violations	Awards
Tech In Tech Co., Ltd.	October 2011	Kyoto Labour Bureau	Kyoto Zero-Incident Three-Month Campaign	Achieved
	October 2011	Kyoto Prefectural Police, Kyoto Prefecture Traffic Safety Association	29th Contest on Eliminating Accidents through Better Traffic Manners	Gold prize
SOKUDO Co., Ltd. (Hikone)	March 2012	Hikone/Inugami Region Safe Driving Managers Association	Fiscal 2011 Site-Specific Movement to Eliminate Traffic Accidents and Violations	Awards

#### Other

Subjects		Organization	Name of initiative	Results
Dainippon Screen Mfg. Co., Ltd.	March 2012	TOYO KEIZAI INC.	Toyo Keizai CSR Ranking	Overall ranking: 250th
	April 2012	TABLE FOR TWO International	Certificate of appreciation	Receipt
Hikone Plant	November 2011	City of Hikone, Hikone Chamber of Commerce and Industry, Inae Chamber of Commerce	Fourth Award for Companies in the Hikone Region Promoting Employment for People with Disabilities	Awards
Semiconductor Equipment Company	July 2011	The Semiconductor Industry News	Semiconductor of the Year 2011(SU-3200)	Second Prize
Media and Precision Technology Japan Co., Ltd.	February 2012	Japan Society for Printing Science and Technology	Fiscal 2012 Science and Technology Award	Awards

**<Reference>****2011****Related to the environment**

Subjects	Organization	Name of initiative	Results
Dainippon Screen Mfg. Co., Ltd.	December 2010 Nikkei Inc.	The 14th Environmental Management Survey	120th position
TRANSUP Japan Co., Ltd.	October 2010 Japan Packaging Institute	Japan Packaging Contest 2010	Logistics Award (New Type of Packaging Technology, ESPIE)
Media And Precision Technology Company	April 2011 Industrial Science and Technology Policy and Environment Bureau, Ministry of Economy, Trade and Industry	Verification of CFP Mark Licensing	Acquisition of final CFP certification (Certification PCR # PA-BS-14)

**Related to occupational health and safety**

Subjects	Organization	Name of initiative	Results
Head Office	October 2010 Kyoto Labour Bureau	Kyoto Zero-Incident Three-Month Campaign	Achieved
	January 2011 Mayor of Kyoto City	Recognition at the City of Kyoto Firefighting Initiation Ceremony (Achievement by personnel in charge of fire prevention management)	Awards
Kuze Plant	July 2010 Ministry of Health, Labour and Welfare	Minister of Health, Labour and Welfare Incentive Award (Occupational Health and Safety Activities)	Awards
Kumiyama Plant	October 2010 Kyoto Labour Bureau	Kyoto Zero-Incident Three-Month Campaign	Achieved
Yasu Plant	September 2010 Shiga Prefecture Safe Driving Managers Association	Excellent site	Awards
	November 2010 Shiga Prefecture Action Committee to Promote Traffic Safety and Accident-Free Driving	Shiga Prefecture to Promote Traffic Safety and Accident-Free Driving, Departments by Job Category	Prize for Excellence as Organization with Zero Accidents (Zero accidents achieved for 40 consecutive years)
Hikone Plant	March 2011 Moriyama Yasu Safe Driving Management Committee	Fiscal 2010 Accident- and violation-free driving	Awards
	June 2010 Fire Safety Association	Fire Safety Merit Prize	Awards
	June 2010 Shiga Prefectural Police, Japan Safe Driving Center	Safe Driving Excellence Center	Platinum Award
	February 2011 Shiga Prefecture Action Committee to Promote Traffic Safety and Accident-Free Driving	Shiga Prefecture to Promote Traffic Safety and Accident-Free Driving, Departments by Job Category	Prize for Excellence as Organization with Zero Accidents (Zero accidents achieved for 40 consecutive years)
Tech In Tech Co., Ltd.	March 2011 Hikone/Inugami Region Safe Driving Managers Association	Fiscal 2010 Site-Specific Movement to Eliminate Traffic Accidents and Violations	Awards
	October 2010 Kyoto Labour Bureau	Kyoto Zero-Incident Three-Month Campaign	Achieved
FEBACS Co., Ltd.	December 2010 Kyoto Prefectural Police, Kyoto Prefecture Traffic Safety Association	28th Contest on Eliminating Accidents through Better Traffic Manners	Gold prize
	October 2010 Kyoto Labour Bureau	Kyoto Zero-Incident Three-Month Campaign	Achieved

**Other**

Subjects	Organization	Name of initiative	Results
Dainippon Screen Mfg. Co., Ltd.	January 2011 Asia CSR Expert Committee	Japan CSR 30	Selected as one of 30 Japanese companies
	March 2011 TOYO KEIZAI INC.	Toyo Keizai CSR Ranking	Overall ranking: 293rd

**2010****Related to the environment**

Subjects	Organization	Name of initiative	Results
Dainippon Screen Mfg. Co., Ltd.	December 2009 Nikkei Inc.	The 13th Environmental Management Survey	125th position

**Related to occupational health and safety**

Subjects	Organization	Name of initiative	Results
Head Office	March 2009 Kamigyo Fire Department, Kyoto City Fire Department	Excellent Independent Fire-Prevention Site	Awards
	October 2009 Kyoto Labour Bureau	Kyoto Zero-Incident Three-Month Campaign	Achieved
Kuze Plant	March 2009 South Fire Department, Kyoto City Fire Department	Excellent Independent Fire-Prevention Site	Mayor of Kyoto City Prize
Kumiyama Plant	October 2009 Kyoto Prefecture Traffic Safety Association	Safety Rally Kyoto	Awards
Tech In Tech Co., Ltd.	October 2009 Kyoto Prefecture Traffic Safety Association	Safety Rally Kyoto	Gold prize (zero accidents and violations attained by 38 out of 3,800 companies)
	October 2009 Kyoto Labour Bureau	Kyoto Zero-Incident Three-Month Campaign	Achieved
	December 2009 Kyoto Prefectural Police, Kyoto Prefecture Traffic Safety Association	27th Contest on Eliminating Accidents through Better Traffic Manners	Gold prize
FEBACS Co., Ltd.	October 2009 Kyoto Labour Bureau	Kyoto Zero-Incident Three-Month Campaign	Achieved

**Other**

Subjects	Organization	Name of initiative	Results
Dainippon Screen Mfg. Co., Ltd.	March 2010 TOYO KEIZAI INC.	Toyo Keizai CSR Ranking	Overall ranking: 218th
Tec Communications Co., Ltd.	August 2009 CONTOL UNION CERTIFICATIONS	FSC certification	Certified

# Environmental Report

\* Key for items with  
no particular comments  
-: N/A  
0: Less than 0.1

## Environmental management

### Acquisition of ISO/OHSAS by Group companies (Domestic)

As of March 31, 2012

		Number of employees	ISO9001	ISO14001	OHSAS18001
Manufacturing	Tech In Tech Co., Ltd.	101	Acquired	Acquired	Acquired
	Scientific and Semiconductor Manufacturing Equipment Recycling Co., Ltd.	14		Acquired	Acquired
	Quartz Lead Co., Ltd.	62	Acquired	Acquired	Acquired
	FASSE Co., Ltd.	42	Acquired	Acquired	Acquired
	SOKUDO Co., Ltd.	110	Acquired	Acquired	Acquired
Services	MT Service Japan East Co., Ltd.	134	Acquired	Acquired	Acquired
	MT Service Japan West Co., Ltd.	114	Acquired	Acquired	Acquired
	SEBACS Co., Ltd.	177	Acquired	Acquired	Acquired
	FEBACS Co., Ltd.	57	Acquired	Acquired	Acquired
	MEBACS Co., Ltd.	34	Acquired	Acquired	Acquired
Others	Media Technology Japan Co., Ltd.	100		Acquired	Acquired
	Tec Communications Co., Ltd.	45	Acquired	Acquired	Acquired
	TRANSUP Japan Co., Ltd.	20		Acquired	Acquired
	INITOUT Japan Co., Ltd.	27		Acquired	Acquired
	S. Ten Nines Kyoto Co., Ltd.	105		Acquired	Acquired
	GERANT Co., Ltd.	14		Acquired	Acquired

### Acquisition of ISO/OHSAS by Group companies (Overseas)

		Number of employees	ISO9001	ISO14001	OHSAS18001
Manufacturing	Dainippon Screen Mt (Hangzhou) Co., Ltd.	100	Acquired	Acquired	
	Inca Digital Printers Ltd.	181	Acquired		
	Silicon Light Machines Corporation	18			
Others	D.S. North America Holdings, Inc.	4			
	Dainippon Screen Graphics (USA), LLC	57			
	DNS Electronics, LLC	307			
	Dainippon Screen (U.K.) Ltd.	32			
	Dainippon Screen (Deutschland) GmbH	153			
	Dainippon Screen (Nederland) B.V.	22			
	Dainippon Screen Singapore Pte. Ltd.	85			
	Dainippon Screen (China) Ltd.	84			
	Dainippon Screen Electronics (Shanghai) Co., Ltd.	150			
	Dainippon Screen Electronics (Taiwan) Co., Ltd.	260			
	DNS Feats (Taiwan) Co., Ltd.	32			
	Dainippon Screen (Taiwan) Co., Ltd.	16			
	Dainippon Screen (Australia) Pty. Ltd.	10	Acquired		
Dainippon Screen (Korea) Co., Ltd.	101	Acquired			

### Environmental audit (Dainippon Screen Group in Japan)

	2008	2009	2010	2011	2012
Number of organizations subject to environmental audit		74	35	35	68
Number of improvements recommended*		127	111	65	190
Number of internal auditors**		272	232	231	294
Number of training sessions for auditors	1	—	2	—	1
Number of participants	32	—	103	—	5

\* Internal audits were conducted twice in the year ended March 31, 2012.

\*\* Integration of management systems in the year ended March 31, 2012, resulted in numerous instances of people holding environmental, health and safety, or energy qualifications or in some cases, multiple qualifications.

### Environmental audit (Dainippon Screen)

	2008	2009	2010	2011	2012
Number of organizations subject to environmental audit			20	20	19
Number of improvements recommended*			47	36	116
Number of internal auditors**			175	158	202
Number of training sessions for auditors			2	—	1
Number of participants			64	—	3

\* Internal audits were conducted twice in the year ended March 31, 2012.

\*\* Integration of management systems in the year ended March 31, 2012, resulted in numerous instances of people holding environmental, health and safety, or energy qualifications or in some cases, multiple qualifications.



## Legal compliance and reported complaints (Dainippon Screen Group in Japan)

2010
The nitrogen component of discharge into public waterways at the Yasu site was 6.1mg/L, against a value agreed with Yasu City of 6.0mg/L. The cause of overshooting was failure to revise the Company's voluntary standard value after changes to the agreed value.
2011
No particular issues arose.
2012
No particular issues arose.

## EHS education

		Environmental	Safety
Basic courses	General employee course	Courses by job function	Product designer course
	Foreman course		Purchasing manager course
	Manager course		Course for people in charge of facility operations
	Internal contractor company course		Factory facility manager course
	Awareness course		Course for people in charge of waste management
EHS management course	Individual EHS manager/individual EHS secretary course	Organization-specific courses	Course for people in charge of chemical substance management
	Issue-specific committee member course		Course for specific persons handling chemical solutions or gases
	Internal EHS auditor course		Workplace vehicle operator course
	Environmental assay course		Course for legally qualified individuals
	Risk assay course		Course for legally qualified individuals
	Individual EHS Secretariat courses		Customer-specific license training course
	General bureau course		Qualifications required for individual sites, lines, groups, etc.

## Program contents

	2012	
	Date	Number of participants
Basic courses: General employee (new employee) course	April	21
Basic courses: General employee course (fundamentals of consolidated EHS, e-learning)	May - June	2788
Basic courses: Foreman course	August, December	36
Basic courses: Manager course	April, August	71
EHS management course: Internal auditor course (internal auditor training)	November	5
EHS management course: Risk assay course	November, February	48
EHS management course: EHS secretary course/EHS Secretariat course (incident and accident analysis training)	October	53
EHS management course: EHS secretary course/EHS Secretariat course (legal training)	October	34

## Environmental accounting

(Dainippon Screen Group in Japan)

(Millions of yen)

Environmental protection costs		Protection costs				Amount invested			
		2009	2010	2011	2012	2009	2010	2011	2012
1. Cost within business area	1. Pollution prevention Wastewater treatment facilities, air treatment facilities	583	602	498	526	0	11	6	1
	2. Environmental preservation Inverters, facilities for preventing global warming	49	48	58	88	41	94	36	34
	3. Resource circulation Appropriate waste disposal	102	30	40	81	38	0	0	0
2. Upstream/downstream costs	Recycled product business	524	297	707	648	0	0	0	0
3. Administration costs	Analysis and measurement, environmental management education	128	174	158	186	9	1	0	3
4. R&D costs	Development of environmentally-friendly products	1,607	1,162	1,213	1,389	—	—	—	0
5. Social initiative costs	Publishing Social and Environmental Report, environmental beautification initiatives	39	30	16	10	12	0	0	8
6. Costs associated with resolving environmental damages		63	64	55	54	0	0	0	0
Total		3,095	2,407	2,745	2,981	100	106	42	47

Environmental preservation effects		Amount				Cost			
		2009	2010	2011	2012	2009	2010	2011	2012
Effects of reductions in volume of chemical substances used		1metric tons	3metric tons	▲23metric tons	▲27 metric tons	4	10	▲41	▲48
Effects of reductions in amount of energy used		721metric tons of CO <sub>2</sub>	9,171metric tons of CO <sub>2</sub>	▲1,320metric tons of CO <sub>2</sub>	▲1,626 metric tons of CO <sub>2</sub>	18	183	▲144	▲4
Effects of reductions in volume of waste emissions		306metric tons	431metric tons	▲857metric tons	22 metric tons	4	5	▲10	0
Effects of resource conservation Reuse of products and sale of paper and cardboard		16metric tons	13metric tons	38metric tons	30 metric tons	681	454	999	913
Total						707	652	803	862

## Greenhouse gases

### CO<sub>2</sub> emissions for each plant and group company

(t)

Plant & office/group company	1991	2001	2006	2007	2008	2009	2010	2011	2012
Domestic groups(Dainippon Screen+Domestic groups)									
Dainippon Screen MFG. CO., LTD.									
Hikone Plant	27,535	23,618	11,393	12,279	16,043	20,468	16,399	15,791	16,190
Head Office/Nishikyogoku Office	2,848	1,779	1,486	962	945	903	632	496	605
Rakusai Site	4,620	7,010	5,978	6,535	6,011	5,325	3,802	3,782	3,444
Taga Plant	—	3,648	3,736	4,206	4,608	3,644	451	2,848	3,307
Yasu Plant	—	5,771	6,129	6,424	6,169	3,405	1,718	1,661	3,176
Kuze Plant	1,742	1,637	1,626	1,490	1,832	1,731	1,128	778	Closed
Kumiyama Plant	1,797	1,405	1,717	1,763	1,806	1,951	1,521	1,359	1,388
Kudan/Otsuka Offices	—	341	166	199	215	207	16	10	59
Total of plants and offices	38,542	45,209	32,231	33,858	37,629	37,634	25,667	26,724	28,170
Group companies(domestic)									
Tech In Tech Co., Ltd.	—	1,001	479	585	728	548	433	488	453
Quartz Lead Co., Ltd.	—	—	709	1,151	1,274	767	714	1,210	1,109
SEBACS Co., Ltd.	—	—	Included in the Nishikyogoku Office				67	72	74
Scientific and Semiconductor Manufacturing Equipment Recycling Co., Ltd.	—	—	5	10	11	10	8	8	26
FEBACS Co., Ltd.	—	—	—	—	141	62	154	141	363
FASSE Co., Ltd.	—	—	—	—	—	—	445	468	431
SOKUDO Co., Ltd.	—	—	—	—	—	—	2181	1,810	1,982
Media Technology Japan Co., Ltd.	—	—	Included in the Kudan Plant				54	60	44
MT Service Japan West Co., Ltd.	—	—	—	—	43	44	36.4	29	27
MT Service Japan East Co., Ltd.	—	—	Included in the Otsuka Office				12	109	66
S.Ten Nines Kyoto Co., Ltd.	—	—	—	—	—	—	41	38	67
INITOUT Japan Co., Ltd.	—	—	—	—	—	—	25	20	21
Tec Communications Co., Ltd.	—	—	61	55	55	74	83	69	67
TRANSUP Japan Co., Ltd.	—	—	84	90	22	25	29	24	22
GERANT Co., Ltd.	—	—	—	—	—	—	10	10	9
MEBACS Co., Ltd.	—	—	—	—	—	—	34	32	8
Total of group companies	0	30,790	8,179	1,891	2,274	1,530	4,326	4,588	4,768
Total of domestic groups	38,542	75,999	40,410	35,749	39,903	39,164	29,993	31,312	32,938
Overseas group									
Dainippon Screen Mt (Hangzhou) Co., Ltd.	—	—	—	—	327	266	256	272	518
Inca Digital Printers Ltd.	—	—	—	—	—	—	374	1,302	1,194
Dainippon Screen (Nederland) B.V.	—	—	—	—	—	—	112	133	143
Dainippon Screen (U.K.) Ltd.	—	—	—	—	—	—	—	11	210
Dainippon Screen Graphics (USA), LLC	—	—	—	—	—	—	—	288	280
Dainippon Screen (China) Ltd.	—	—	—	—	—	—	87	66	65
Dainippon Screen (Korea) Co., Ltd.	—	—	—	—	—	—	67	69	71
Dainippon Screen (Taiwan) Co., Ltd.	—	—	—	—	—	—	17	21	23
Dainippon Screen (Australia) Pty. Ltd.	—	—	—	—	—	—	49	50	54
Screen Media Technology Ltd.	—	—	—	—	—	—	33	30	33
Dainippon Screen (Deutschland) GmbH	—	—	—	—	—	—	565	516	504
Dainippon Screen Electronics (Taiwan) Co., Ltd.	—	—	—	—	—	—	328	301	341
Dainippon Screen Singapore Pte. Ltd.	—	—	—	—	—	—	198	215	167
DNS Electronics, LLC	—	—	—	—	—	—	356	345	737
Dainippon Screen Electronics (Shanghai) Co., Ltd.	—	—	—	—	—	—	96	173	172
DNS Feats (Taiwan) Co., Ltd.	—	—	—	—	—	—	103	95	90
Silicon Light Machines Corporation	—	—	—	—	—	—	250	345	319
Total of overseas groups	—	—	—	—	327	266	2,889	4,258	4,920

\* Basis for calculation: The Dainippon Screen Group in Japan bases CO<sub>2</sub> conversions on the "Guidelines for Calculating Greenhouse Gas Emission from Businesses," issued by the Ministry of the Environment.

Domestic emissions conversion factors for year ended March 31, 2012: Kansai Electric 0.311, Tokyo Electric 0.375, Hokuriku Electric 0.423, Tohoku Electric 0.429 kgCO<sub>2</sub>/kWh.

For the overseas Dainippon Screen Group, calculations are based on the greenhouse gas protocol conversion factor announced for the year ended March 31, 2006.

\* A "—" indicates that the data was not available.

A "—" indicates that the company was not within the scope of the system because applicable businesses had not yet been established.

### CO<sub>2</sub> emissions by Greenhouse Gas Protocol classification (entire Dainippon Screen Group)

(t)

	1991	2001	2006	2007	2008	2009	2010	2011	2012
Scope 1 + Scope 2	38,542	75,999	40,410	35,749	40,230	39,430	32,882	35,571	37,858
Scope 1	17,285	36,290	15,145	11,341	14,124	11,920	8,155	11,124	11,797
Scope 2	21,257	39,709	25,265	24,408	26,106	27,510	24,727	24,447	26,061

\* Greenhouse Gas Protocol is internationally recognized standards for calculation and reporting of GHG emissions.

\* Scope 1 : Direct GHG emissions

Scope 2 : Electricity indirect GHG emissions

## Reduction measures targeting CO<sub>2</sub> emissions Major specific initiatives

2010			
Item	Plant	Reduction	
Results of CO <sub>2</sub> reductions due to the introduction of no-overtime days and cost cutting effect CO <sub>2</sub> reductions	At each plant	CO <sub>2</sub> reduction results	Approximately 27.2 metric tons of CO <sub>2</sub> /month
		Cost-cutting results	Approximately ¥60,800/month
Green IT	Kumiyama Plant, Industry organization		
2011			
Item	Plant	Reduction	
Upgrade of equipment using absorption to generate hot/cold water	Rakusai Site	CO <sub>2</sub> reduction results	88 metric tons
		Cost-cutting results	¥2,495,000
Revision of operation times for two-stage CR hot water pumps	Rakusai Site	CO <sub>2</sub> reduction results	20 metric tons
		Cost-cutting results	¥582,000
2012			
Item	Plant	Reduction	
Installing heat barrier curtain	Head Office	CO <sub>2</sub> reduction results	0.3 metric ton
		Cost-cutting results	¥9,000
Upgrading air compressor	Rakusai Site	CO <sub>2</sub> reduction results	44 metric tons
		Cost-cutting results	¥1226,000
Upgrading humidification steam boiler	Rakusai Site	CO <sub>2</sub> reduction results	28 metric tons
		Cost-cutting results	¥720,000

## Low-emission vehicles

### Number of company vehicles and energy-efficient vehicles (Dainippon Screen Group in Japan)

	2008	2009	2010	2011	2012
Number of energy-efficient vehicles	143	145	135	141	121
Number of other vehicles	28	19	7	7	2
Target ratio of energy-efficient vehicles (%)	70	80	—	—	—
Actual ratio of energy-efficient vehicles (%)	83.6	88.4	95.1	95.3	98.4
Number of low-emission trucks in service	—	—	90	357	831

## Energy

### Direct/indirect energy consumption (Dainippon Screen)

(GJ)

	2008	2009	2010	2011	2012
Direct energy (town gas/LPG/kerosene)	896,502	919,606	817,760	854,849	792,116
Indirect energy(electricity)	69,679	70,837	662,600	656,625	600,402

### Direct/indirect energy consumption (Dainippon Screen Group in Japan)

(GJ)

	2008	2009	2010	2011	2012
Direct energy (town gas/LPG/kerosene)	985,063	985,811	931,229	921,172	919,387
Indirect energy(electricity)	750,746	744,844	752,649	718,676	705,070

## Chemical substances

### Data regarding substances subject to the PRTR Act (Dainippon Screen Group in Japan)

(t)

Substance name	Cabinet order number	Usage				
		2008	2009	2010	2011	2012
Hexavalent chromium compound	88	—	—	—	—	—
Trivalent chromium compound	87	—	—	—	—	—
Xylene	80	0.3	0.2	0.2	0.2	0.2
Hydroquinone	336	—	—	0	—	—
Hydrogen fluoride and its compound	374	6.9	5.7	2.8	4.5	5.5
Ethylene glycol	—	0.5	0.3	0	0.2*	—
Poly (oxyethylene) = nonylphenyl ether	407	—	—	—	—	—
Nickel	308	—	—	—	—	—
Nickel compound	309	—	—	—	—	—
Hydrazine	333	0.3	0.3	0.3	0.2	0.4
Formaldehyde	411	—	0.1	0	0.1	0
2-aminoethanol	20	—	0.1	0.2	0	0
Toluene	300	—	0.1	0.1	0.1	0
Ferric chloride	71	—	—	—	21.5	47.3
<b>Total</b>		<b>8</b>	<b>6.8</b>	<b>3.6</b>	<b>26.6</b>	<b>53.4</b>

\* Owing to a regulatory revision, in the fiscal year ended March 31, 2011, ethylene glycol was eliminated from the list of substances subject to the PRTR Act.

Substance name	Amount of movement														
	Emissions to the atmosphere					Emissions to the water system					Amount of movement of wastes				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Hexavalent chromium compound	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Trivalent chromium compound	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Xylene	0.3	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0
Hydroquinone	—	—	0	—	—	—	—	0	—	—	—	—	0	—	—
Hydrogen fluoride and its compound	0	0	0	0	0	0	0	0	0	0	6.9	5.7	2.8	4.5	5.5
Ethylene glycol	0	0	0	—	—	0	0	0	—	—	0.5	0.3	0	—	—
Poly (oxyethylene) = nonylphenyl ether	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nickel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nickel compound	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hydrazine	—	0	0	0	0	0	0	0	0	0	0.3	0.3	0.3	0.2	0.4
Formaldehyde	—	0	0	0	0	—	0	0	0	0	—	0.1	0	0.1	0
2-aminoethanol	—	0	0	0	0	—	0	0	0	0	—	0.1	0.2	0	0
Toluene	—	0.1	0.1	0.1	0	—	—	0	0	0	—	0	0	0	0
Ferric chloride	—	—	—	0	0	—	—	—	0	0	—	—	—	21.5	47.3
<b>Total</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7.7</b>	<b>6.5</b>	<b>3.3</b>	<b>26.3</b>	<b>53.2</b>

### PCB processing (Dainippon Screen Group in Japan)

Type	2010	2011	2012
High-voltage capacitors	43	43	46
Low-voltage capacitors	197	197	197
Fluorescent light ballasts	178	178	178
High-voltage transformers	1	1	1
Reactors	3	5	5

## Amount of substances used and in circulation

### Total amount of substances used (by resource type) (Dainippon Screen)

(t)

	2008	2009	2010	2011	2012
Total amount of substances used	15,680	17,875	7,498	14,054	14,753
Chemical substances	8	7	4	27	53

### Total amount of substances used (by resource type) (Dainippon Screen Group in Japan)

(t)

	2008	2009	2010	2011	2012
Total amount of substances used	15,680	18,333	7,755	15,392	16,068
Chemical substances	8	7	4	27	53

## Waste/recycling

### Total volume of waste emissions (Dainippon Screen)

(t)

	2008	2009	2010	2011	2012
Total volume of waste emissions	1,080	939	479	1,481	1,420
Volume of recycled waste	1,072	937	475	1,468	1,394
Recycling rate (%)	99.20%	99.70%	99.16%	99.12%	98.17%
Volume of waste for final disposal	8	2	4	13	26

**Total volume of waste emissions (Dainippon Screen Group in Japan)**

(t)

	2008	2009	2010	2011	2012
Total volume of waste emissions	1,313	1,098	647	1,794	<b>1,806</b>
Volume of recycled waste	1,304	1,095	629	1,730	<b>1,708</b>
Recycling rate (%)	99.20%	99.60%	97.22%	96.43%	<b>94.57%</b>
Volume of waste for final disposal	9	3	18	64	<b>98</b>

**Total volume of waste emissions by site and Group company**

(t)

Site/Group company	2008	2009	2010	2011	2012
Hikone Plant	424	474	308	769	<b>863</b>
Head Office	18	15	18	23	<b>26</b>
Rakusai Site	128	114	40	37	<b>34</b>
Taga Plant	92	74	0	108	<b>138</b>
Yasu Plant	162	67	33	56	<b>91</b>
Kuze Plant	59	45	19	187	<b>24</b>
Kumiyama Plant	178	132	60	299	<b>242</b>
Kudan Office	19	18	2	1	<b>3</b>
Total of plants and offices	1,080	939	479	1,481	<b>1,421</b>
TechInTech Co., Ltd.	23	51	11	18	<b>23</b>
Quartz Lead Co., Ltd.	191	91	29	89	<b>89</b>
SEBACS Co., Ltd.	—	—	11	4	<b>2</b>
Scientific and Semiconductor Manufacturing Equipment Recycling Co., Ltd.	1	1	1	2	<b>2</b>
FEBACS Co., Ltd.	3	3	4	3	<b>7</b>
FASSE Co., Ltd.	—	—	79	124	<b>126</b>
SOKUDO Co., Ltd.	—	—	3	11	<b>29</b>
Media Technology Japan Co., Ltd.	—	—	8	6	<b>12</b>
MT Service Japan West Co., Ltd.	5	6	5	5	<b>4</b>
MT Service Japan East Co., Ltd.	—	—	2	13	<b>8</b>
S. Ten Nines Kyoto Co., Ltd.	—	—	0	0	<b>1</b>
INITOUT Japan Co., Ltd.	—	—	0	1	<b>1</b>
Tec Communications Co., Ltd.	8	7	5	9	<b>11</b>
TRANSUP Japan Co., Ltd.	1	1	7	25	<b>66</b>
GERANT Co., Ltd.	—	—	0	0	<b>0</b>
MEBACS Co., Ltd.	—	—	2	3	<b>6</b>
Total of group companies	11	9	167	313	<b>387</b>
Total of domestic groups	1,091	948	647	1,794	<b>1,808</b>

\* A "—" indicates that the company is or was not within the scope of the environmental management system.

A "—" indicates that the company was not within the scope of the system because applicable businesses had not yet been established.

**Breakdown of external waste emissions**

(t)

	2010	2011	2012		2010	2011	2012
Volume of valuable resources	290.8	648.1	<b>721.1</b>	Waste oil (special)	7.7	10.3	<b>15</b>
Sludge waste	223.9	310.2	<b>385</b>	Ceramics, glass	8.3	20.4	<b>10.6</b>
General-purpose paper	34.3	130.9	<b>24.1</b>	Waste alkali (special)	25.3	18.8	<b>22.9</b>
Waste plastic	80.2	195.3	<b>168.3</b>	Electric wiring, PCBs	0.4	1.6	<b>0</b>
Waste acid (special)	72.4	100.3	<b>94.6</b>	Burnable waste	3.2	2.1	<b>3.2</b>
Cardboard	31.0	45.1	<b>25</b>	Waste film	13.1	21.7	<b>19.7</b>
Cloth, wood scrap	48.8	66.9	<b>69.8</b>	Batteries	0.6	0.6	<b>0.8</b>
Waste alkali	12.0	19.2	<b>25.2</b>	Waste acid	2.2	5.3	<b>4.4</b>
Scrap metal	10.8	90.2	<b>96</b>	Waste fluorescent lighting	1.4	5.6	<b>2</b>
Paper	54.9	71.0	<b>47.5</b>	Others	7.2	17	<b>51.8</b>
Waste oil	8.3	13.4	<b>19.4</b>				

**Breakdown of valuable resources indicated above**

(t)

	2010	2011	2012		2010	2011	2012
Cardboard	84.9	204.5	<b>185.6</b>	Film	0	0.1	<b>0.1</b>
Metals	44.6	191.4	<b>250</b>	Glass (wafers)	0.4	1.8	<b>1.2</b>
General-purpose paper	53.0	192.5	<b>212.8</b>	Magazines, catalogs	55.7	3.0	<b>3.5</b>
Polyvinyl chloride	9.7	10.7	<b>19.6</b>	Others	—	44.1	<b>48.3</b>

## Recycling rates by site

(%)

	2010	2011	2012		2010	2011	2012
Hikone Plant	99.6	98.3	97.3	TechInTech Co., Ltd.	94.3	94.9	94.4
Head Office	96.0	99.9	99.9	Scientific and Semiconductor Manufacturing Equipment Recycling Co., Ltd.	40.6	64.1	56.7
Rakusai Site	100.0	100.0	99.9	Quartz Lead Co., Ltd.	99.2	99.3	100.0
Taga Plant	—	100.0	100.0	FASSE Co., Ltd.	84.8	62.6	52.0
Yasu Plant	100.0	100.0	97.6	SOKUDO Co., Ltd.	99.6	99.7	99.2
Kuze Plant	99.9	99.9	10	MT Service Japan East Co., Ltd.	98.1	100.0	100.0
Kumiyama Plant	99.7	100.0	100.0	MT Service Japan West Co., Ltd.	100.0	100.0	100.0
Kudan Office	99.2	100.0	94.6	SEBACS Co., Ltd.	99.2	96.7	99.5
				FEBACS Co., Ltd.	99.9	99.7	99.9
				MEBACS Co., Ltd.	98.9	100.0	98.5
				Media Technology Japan Co., Ltd.	98.7	72.3	98.5
				Tec Communications Co., Ltd.	93.9	98.3	98.4
				TRANSUP Japan Co., Ltd.	99.9	100.0	100.0
				INITOUT Japan Co., Ltd.	100.0	99.9	100.0
				S. Ten Nines Kyoto Co., Ltd.	88.5	89.8	91.5
				GERANT Co., Ltd.	100.0	100.0	100.0

\* Scope: Domestic sites and Group companies that have certified environmental management systems.

## Green purchasing ratio

### Green purchasing ratio by site

	2008	2009	2010	2011	2012
Hikone Plant	99.20%	99.70%	99.21%	99.97%	99.90%
Head Office/Nishikyogoku Office	98.40%	99.60%	99.82%	76.38%	88.83%
Rakusai Site	98.80%	100.00%	93.82%	100.00%	100.00%
Taga Plant	100.00%	100.00%	—	100.00%	100.00%
Yasu Plant	99.60%	100.00%	100.00%	99.68%	100.00%
Kuze Plant	100.00%	99.90%	100.00%	100.00%	Closed
Kumiyama Plant	99.80%	99.80%	100.00%	100.00%	100.00%
Ikebukuro/Kudan/Otsuka Offices	99.80%	100.00%	100.00%	100.00%	100.00%
Tech In Tech Co., Ltd.	98.50%	99.00%	96.62%	100.00%	100.00%
Scientific and Semiconductor Manufacturing Equipment Recycling Co., Ltd.	100.00%	99.50%	100.00%	100.00%	100.00%
Quartz Lead Co., Ltd.	99.40%	99.70%	100.00%	100.00%	100.00%
FASSE Co., Ltd.	—	—	82.36%	96.13%	99.51%
SOKUDO Co., Ltd.	—	—	100.00%	100.00%	100.00%
MT Service Japan East Co., Ltd.	—	—	—	100.00%	100.00%
MT Service Japan West Co., Ltd.	99.90%	100.00%	100.00%	100.00%	100.00%
SEBACS Co., Ltd.	← Included in the Nishikyogoku Office →		93.03%	100.00%	100.00%
FEBACS Co., Ltd.	99.90%	100.00%	85.79%	100.00%	100.00%
MEBACS Co., Ltd.	—	—	89.77%	100.00%	100.00%
Media Technology Japan Co., Ltd.	—	—	—	100.00%	100.00%
Tec Communications Co., Ltd.	100.00%	100.00%	91.28%	99.81%	99.70%
TRANSUP Japan Co., Ltd.	100.00%	100.00%	98.57%	99.28%	100.00%
INITOUT Japan Co., Ltd.	—	—	100.00%	98.54%	100.00%
S. Ten Nines Kyoto Co., Ltd.	—	—	100.00%	100.00%	100.00%
GERANT Co., Ltd.	—	—	65.68%	89.17%	100.00%
Total of domestic groups	99.20%	99.70%	97.83%	98.58%	98.79%

\* A "—" indicates that the company is or was not within the scope of the environmental management system.

A "—" indicates that the company was not within the scope of the system because applicable businesses had not yet been established.

## Water

### Volume of water resources used (Dainippon Screen)

(m<sup>3</sup>)

	2008	2009	2010	2011	2012
Service water	419,674	300,447	221,176	246,685	242,862
Industrial water	2,093,547	2,070,497	1,673,865	1,802,589	1,837,416
Ground water	—	—	—	—	—
Total	2,513,221	2,370,944	1,895,041	2,049,274	2,080,278

### Total volume of water emissions (Dainippon Screen)

(m<sup>3</sup>)

	2008	2009	2010	2011	2012
Public water areas	2,481,510	2,362,653	1,894,633	2,048,833	2,079,830

### Volume of water resources used (Dainippon Screen Group in Japan)

(m<sup>3</sup>)

	2008	2009	2010	2011	2012
Service water	433,507	310,555	243,870	281,153	276,192
Industrial water	2,093,547	2,070,497	1,673,865	1,802,589	1,837,416
Ground water	—	—	—	—	—
Total	2,527,054	2,381,052	1,917,735	2,083,742	2,113,608

**Total volume of water emissions (Dainippon Screen Group in Japan)**

 (m<sup>3</sup>)

	2008	2009	2010	2011	2012
Public water areas	2,495,343	2,372,761	1,917,327	2,072,401	<b>2,113,608</b>

**BOD and COD measurements (Dainippon Screen)**

(mg/ℓ)

	2008	2009	2010	2011	2012
BOD	1.4	1.4	1.6	1.5	<b>1.9</b>
COD	2.4	2.4	2.8	2.3	<b>2.3</b>

 **Air quality**
**SO<sub>x</sub> and NO<sub>x</sub> emissions (Dainippon Screen Group in Japan)**

(t)

	2008	2009	2010	2011	2012
SO <sub>x</sub> emissions	0.08	0.02	0.0	0.0	<b>0.0</b>
NO <sub>x</sub> emissions	4.9	5.8	4.6	8.9	<b>8.5</b>

 **Transport**
**CO<sub>2</sub> emissions from logistics operations by mode of transport (Dainippon Screen)**

(t)

	2008	2009	2010	2011	2012
Vehicles	993	899	579	1,026	<b>1,133</b>
Ships	14	33	14	40	<b>35</b>
Railroads	2	2	2	1	<b>1</b>

**Reduction in CO<sub>2</sub> emissions resulting from modal shift in product transport (Dainippon Screen)**

	Number of shipments				CO <sub>2</sub> reductions			
	2009	2010	2011	2012	2009	2010	2011	2012
Marine transport	262	153	296	<b>263</b>	166metric tons	76metric tons	202metric tons	<b>180 metric tons</b>
Rail transport	105	112	82	<b>92</b>	11metric tons	11metric tons	8metric tons	<b>8 metric tons</b>

**Number of trucks involved in transportation**

	2009	2010	2011	2012
Number of trucks involved in product transportation	5,170	2,969 (57% compared with levels during the fiscal year ended Mar. 31, 2009)	4,367 (147% compared with levels during the fiscal year ended Mar. 31, 2010)	<b>4,326</b> <b>(99.1% compared with levels during the fiscal year ended Mar. 31, 2011)</b>
Number of trucks used for coastal shipping (to Kyushu)	262	153 (58% compared with levels during the fiscal year ended Mar. 31, 2009)	296 (194% compared with levels during the fiscal year ended Mar. 31, 2010)	<b>263</b> <b>(88.9% compared with levels during the fiscal year ended Mar. 31, 2011)</b>

**Environmental consideration for transportation indirect materials and product containers and packaging**

2010	
Initiative	Result
Reuse of cushioning materials at Hikone CRC Parts Center	Reuse of 684kg of cushioning materials(79% compared with the year ended March 31, 2009)
Promotion of ESPIE packaging (SPA) using reinforced cardboard as packaging for the transportation of semiconductor fabrication equipment	Reduction of 220 tons in wooden materials. The rate of reduction in total use of wooden materials rose to 19.9%, from 9% for the fiscal year ended March 31, 2009.
2011	
Initiative	Result
Reuse of cushioning materials at Hikone CRC Parts Center	Reuse of 561 kg of cushioning materials (82% compared with the year ended March 31, 2010)
Promotion of ESPIE packaging using reinforced cardboard as packaging for the transportation of semiconductor and LCD fabrication equipment	Reduction of 501 tons in wooden materials. The rate of reduction in total use of wooden materials came to 16%, from 18% for the fiscal year ended March 31, 2010.
2012	
Initiative	Result
Reuse of cushioning materials at Hikone CRC Parts Center	Reuse of 215 kg of cushioning materials (38.3% compared with the year ended March 31, 2011)
Promotion of ESPIE packaging using reinforced cardboard as packaging for the transportation of semiconductor and LCD production equipment	Reduction of 324 tons in wooden materials. The rate of reduction in total use of wooden materials came to 10%, from 16% for the fiscal year ended March 31, 2011.

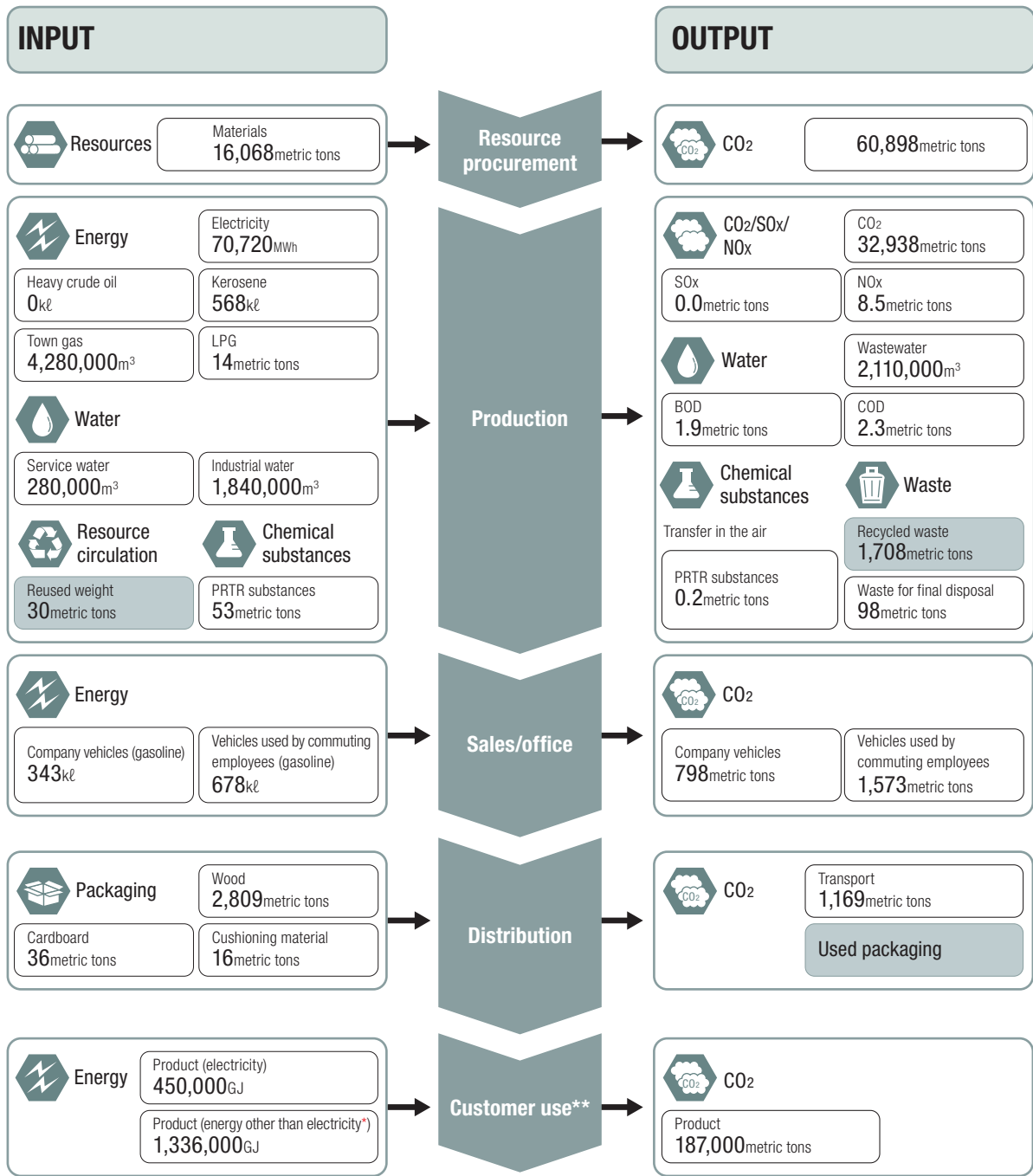
 **Reducing environmental impacts of products**
**Percentage of total sales and number of green products (environmentally-friendly products) (Dainippon Screen)**

	2008	2009	2010	2011	2012
Number of green products	40	56	63	76	<b>85</b>
Percentage of total sales(%) Target	20	30	40	50	<b>60</b>
Percentage of total sales(%) Performance	45	45	72	60	<b>80</b>

\* Green products (environmentally-friendly products): Products are compared against a standard product and are certified as green products if they score better by ten points or more and pass five categories: Energy saving, resource conservation, reuse or recycling, safety and chemical substance management, and information availability.

Visit the following website to learn more about certified green products: <http://www.screen.co.jp/eng/csr/environment/products.html>

# Material Balance



\* Energy for utility (ultra pure water, dry air, nitrogen, exhaust, cooling water) equipment

\*\* Use during a one-year period by customers of production shipped in the year ended March 31, 2012