

## Annual Report 2011

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\* "2011" refers to the fiscal year ended March 31, 2011.

\* The Kuse site was closed in April 2011.

# Social Report

## Employees

### Number of employees

		2010	2011
(Dainippon Screen)	Men	1,981	1,937
	Women	143	130
	Total	2,124	2,067
(Entire Screen Group)		4,679	4,732

### Number of employees by age group (Dainippon Screen, Japan only)

	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
<b>As of March 31, 2011</b>	<b>242</b>	<b>405</b>	<b>949</b>	<b>471</b>	<b>2,067</b>

\* Calculations based on certified financial statements for the fiscal year ended March 31, 2010, March 31, 2011.

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

	2009	2010	2011
Men	43.0	42.0	42.9
Women	36.9	36.4	37.1
All employees	42.6	41.6	42.5

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

	2009	2010	2011
Men	18.6	17.6	18.2
Women	14.7	14.1	14.2
All employees	18.4	17.4	17.9

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

(Yen)

	2009	2010	2011
All employees	8,331,000	6,719,000	7,095,000

\* Rounded down to the nearest ¥1,000

### Turnover (non-consolidated)

	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

\* Excludes retirees.

## Diversity

### Number of female employees (Dainippon Screen)

	2007	2008	2009	2010	2011
General	44	57	68	64	58
Clerical	122	116	111	79	72
Temporary	3	2	7	0	0
Total	169	175	186	143	130

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

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

	2010			2011		
	Core management (managers and specialist personnel)	Upper core management (divisional manager and above)	Directors, corporate officers and corporate auditors	Core management (managers and specialist personnel)	Upper core management (divisional manager and above)	Directors, corporate officers and corporate auditors
Total	671	18	19 (4 directors, 13 corporate officers and 2 auditors) Two outside directors and two outside corporate auditors in addition to the above	664	23	17 (4 directors, 11 corporate officers and 2 auditors) Two outside directors and two outside corporate auditors in addition to the above
Men	668	18	19	660	23	17
Women	3	0	0	4	0	0
Ratio of female staff	0.40%	0.00%	0.00%	0.60%	0.00%	0.00%

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

	2010			2011		
	Core management (managers and specialist personnel)	Upper core management (divisional manager and above)	Directors, corporate officers and corporate auditors	Core management (managers and specialist personnel)	Upper core management (divisional manager and above)	Directors, corporate officers and corporate auditors
Total	671	18	19	664	23	17
Japanese	670	18	19	662	23	17
Non-Japanese	1	0	0	2	0	0
Ratio of non-Japanese staff	0.10%	0.00%	0.00%	0.30%	0.00%	0.00%

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

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

### Employment of people with disabilities

	2011
Number employed	42
Employment ratio	1.90%

\* The legal requirement is 1.80%.

### Reemployment of staff past retirement age

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

## Employment creation

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

	2009	2010	2011
Total	80	62	1

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

	2009	2010	2011
Total	3	1	0

### Hiring of New Graduates (non-consolidated)

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

## Work-life balance

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

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

\* One female employee resigned during child-care leave.

\* 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
Ratio of employees on child-care leave	Men	2.60	1.23	1.18	0	0
	Women*	100	100	100	100	100
	Total	12.05	10.23	7.69	14.29	17.98

\* 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
	7	12	14

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

\* Remuneration during maternity leave: Unpaid; however, 100% security by the Mutual Aid Society and Welfare Foundation, including maternity allowance

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

	2006	2007	2008	2009	2010	2011
Ratio of employees using paid leave	69.57	70.8	70.98	70.4	58.5	57.8

\* 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	
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
	<b>Total</b>	<b>587</b>	<b>Total</b>	<b>163</b>
2011				
	Dainippon Screen	Number of recipients	Group companies	Number of recipients
Seminars	<b>Compliance—general</b>	<b>277</b>	<b>Compliance—general</b>	<b>295</b>
	<b>Appropriate contracting and temporary employment</b>	<b>212</b>	<b>Appropriate contracting and temporary employment</b>	<b>112</b>
	<b>Interpretation of points from Japan's Subcontractor Act</b>	<b>49</b>	<b>Interpretation of points from Japan's Subcontractor Act</b>	<b>36</b>
			<b>Client information management</b>	<b>167</b>
			<b>Insider trading regulations</b>	<b>36</b>
	<b>Total</b>	<b>538</b>	<b>Total</b>	<b>646</b>

## Patents

	2010	2011
Number of patent applications (number of laid-open patents*1)	396	258
Number of patents granted (number of registered patents*2)	219	183
Number of employee inventions reviewed	69	40

\*1 The number of patents issued and laid open as public information by the Japan Patent Office during the corresponding fiscal year.

\*2 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 (entire domestic Screen Group)

	2006	2007	2008	2009	2010	2011
Accidents - Affiliates	12	7	7	4	2	2
Incidents - Affiliates	17	14	10	8	4	4
Accidents - Group companies	3	1	3	10	6	5
Incidents - Group companies	3	3	13	9	8	8
Accidents - Dainippon Screen	6	3	6	3	5	6
Incidents - Dainippon Screen	9	15	9	3	3	2
Incidents resulting in four or more days of lost work	7	7	3	2	4	3

### 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%	×	97.50%

\* 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
Frequency of incidents (Dainippon Screen)	0.21	0.65	0	0	0	0
Average frequency of incidents during production	1.01	1.01	1.09	1.12	0.99	0.98
Average frequency of incidents during production of electrical machinery and equipment	0.40	0.37	0.39	0.48	0.46	0.49

Ratio of Accidents = (days of work lost / total working hours) × 1,000,000

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

### Enhancement ratio for eradication of accidents and incidents (Dainippon Screen)

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

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

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

### Number of recipients of occupational health and safety education (entire domestic Screen Group)

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

\*1 During the year ended March 31, 2011, education provided to one mid-career recruit. Provided to 0 new employees hired in April 2010.

\*2 Follow-up education for new employees has been implemented from the fiscal year ended March 31, 2010.

\*3 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)

2011

### Related to the environment

Subjects	Organization	Name of initiative	Results
Dainippon Screen Mfg. Co., Ltd.	December 2010 Nikkei Inc.	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 2010 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-01)

### 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 Shiga Prefecture Safe Driving Managers Association	Kyoto Zero-Incident Three-Month Campaign	Achieved
Yasu Plant	September 2010 Kyoto Labour Bureau	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	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.	October 2010 Kyoto Labour Bureau	Kyoto Zero-Incident Three-Month Campaign	Achieved
	December 2010 Kyoto Prefectural Police, Kyoto Prefecture Traffic Safety Association	28th Contest on Eliminating Accidents through Better Traffic Manners	Gold prize
FEBACS Co., Ltd.	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
Semiconductor Equipment Company	July 2011 The Semiconductor Industry News	Semiconductor of the Year 2011(SU-3200)	Second prize

### <Reference>

2010

### Related to the environment

Subjects	Organization	Name of initiative	Results
Dainippon Screen Mfg. Co., Ltd.	December 2009 Nikkei Inc.	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 2011 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, 2011

		Number of employees	ISO9001	ISO14001	OHSAS18001
Manufacturing	Tech In Tech Co., Ltd.	100	Acquired	Acquired	Acquired
	Scientific and Semiconductor Manufacturing Equipment Recycling Co., Ltd.	14		Acquired	Acquired
	Quartz Lead Co., Ltd.	63	Acquired	Acquired	Acquired
	FASSE Co., Ltd.	40	Acquired	Acquired	Acquired
	SOKUDO Co., Ltd.	103	Acquired	Acquired	Acquired
Services	MT Service Japan East Co., Ltd.	139	Acquired	Acquired	Acquired
	MT Service Japan West Co., Ltd.	114	Acquired	Acquired	Acquired
	SEBACS Co., Ltd.	170	Acquired	Acquired	Acquired
	FEBACS Co., Ltd.	66	Acquired	Acquired	Acquired
	MEBACS Co., Ltd.	38	Acquired	Acquired	Acquired
Others	Media Technology Japan Co., Ltd.	105		Acquired	Acquired
	Tec Communications Co., Ltd.	43	Acquired	Acquired	
	TRANSUP Japan Co., Ltd.	19		Acquired	Acquired
	INITOUT Japan Co., Ltd.	31		Acquired	
	S. Ten Nines Kyoto Co., Ltd.	102		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.	152	Acquired		
	Silicon Light Machines Corporation	19			
Others	D.S. North America Holdings, Inc.	0			
	Dainippon Screen Graphics (USA), LLC	42			
	S. Ten Nines California, LLC	9			
	DNS Electronics, LLC	264			
	Dainippon Screen (U.K.) Ltd.	40			
	Dainippon Screen (Deutschland) GmbH	125			
	Dainippon Screen (Nederland) B.V.	18			
	Dainippon Screen Singapore Pte. Ltd.	87			
	Dainippon Screen (China) Ltd.	82			
	Dainippon Screen Electronics (Shanghai) Co., Ltd.	142			
	Dainippon Screen Electronics (Taiwan) Co., Ltd.	246			
	DNS Feats (Taiwan) Co., Ltd.	33			
	Dainippon Screen (Taiwan) Co., Ltd.	16			
	Dainippon Screen (Australia) Pty. Ltd.	10	Acquired		
Dainippon Screen (Korea) Co., Ltd.	92	Acquired			

### Environmental audit (entire domestic Screen Group)

	2006	2007	2008	2009	2010	2011
Number of organizations subject to environmental audit				74	35	35
Number of sites where audits were implemented				127	111	65
Number of improvements recommended				272	232	231
Number of internal auditors	1	2	1	—	2	—
Number of training sessions for auditors	34	75	32	—	103	—

### Environmental audit (Dainippon Screen)

	2006	2007	2008	2009	2010	2011
Number of organizations subject to environmental audit					20	20
Number of improvements recommended					47	36
Number of internal auditors					175	158
Number of training sessions for auditors					2	—
Number of participants					64	—

## Legal compliance and reported complaints (entire domestic Screen Group)

2010
The nitrogen component of discharge into public waterways at the Yasu site was 6.1 mg/L, against a value agreed with Yasu City of 6.0 mg/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.

## EHS education (Dainippon Screen)

	Environmental	Safety
Basic courses	New employee training New section manager training Training for all employees	New employee training New section manager training Training for all employees
Management courses	Systems training Internal auditor training Environmental impact assessor training	Systems training Internal auditor training Risk assessor training Product risk assessor training
Courses by job function	Product designer training Purchasing training Environmental facilities operator training Factory manager training Waste management training	Operator training Special operator training Administrative supervisor training

## Program contents

	2010		2011	
	Date	Number of participants	Date	Number of participants
Environmental foundation course—new employee course	April 1	88	—	—
Internal auditor skills improvement course	June 11, 12, 16	84	—	—
Management course—system-related course	April 7, 8	80	—	—
Management course: Systems-related courses (lectures to explain EMS ISO 50001 and EN 16001 regulations)	—	—	<b>April 27</b>	<b>44</b>
Management course—internal auditor course (internal auditor training)	November 24, 25	19	—	—
Management course—system-related course (environmental impact assessment, including products)	December 2	53	—	—
Job-specific course—training for personal in charge of waste management (risk management of waste)	—	—	<b>November 16</b>	<b>31</b>
Job-specific course—training for product designers (DfE training)	—	—	<b>December 20</b>	<b>73</b>
Green IT education <Green IT initiatives demanded by IT departments>	July 23	25	—	—
Management standards (Energy Saving Act) presentation meeting	November 20	18	—	—
Special lecture: "Introduction to case studies of initiatives at other company in response to the EuP (Energy Saving Act) directive"	December 21	20	—	—
In-house environmental seminar: "ISO50001 and the amended Energy Saving Act"	March 9	31	—	—

## Environmental accounting

### (Entire domestic Screen Group)

(Millions of yen)

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

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



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

\* Basis for calculation: For the domestic Dainippon Screen Group, calculations are made using actual emissions factors by electric power suppliers for fiscal 2008, gained from a system of greenhouse gas emission quantitative calculations, reports and announcements based on the Act on Promotion of Global Warming Countermeasures.

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.

### 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 tCO <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	88t-CO <sub>2</sub>
		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	20t-CO <sub>2</sub>
		Cost-cutting results	¥582,000

## Low-emission vehicles

### Number of company vehicles and energy-efficient vehicles (entire domestic Screen Group)

	2006	2007	2008	2009	2010	2011
Number of energy-efficient vehicles	38	64	143	145	135	141
Number of other vehicles	47	28	28	19	7	7
Target ratio of energy-efficient vehicles (%)	40	55	70	80	—	—
Actual ratio of energy-efficient vehicles (%)	44.7	69.6	83.6	88.4	95.1	95.3
Number of low-emission trucks in service	—	—	—	—	66	90

## Energy

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

(GJ)

	2001(base year)	2006	2007	2008	2009	2010	2011
Direct energy consumption	990,307	740,946	791,035	896,502	919,606	817,760	854,849
Interim energy (electricity/air conditioning/moisture/nuclear power)	69,141	55,593	60,119	69,679	70,837	662,600	656,625

### Direct/indirect energy consumption (entire domestic Screen Group)

(GJ)

	2001(base year)	2006	2007	2008	2009	2010	2011
Direct energy consumption	1,589,699	910,942	864,487	985,063	985,811	931,229	921,172
Interim energy (electricity/air conditioning/moisture/nuclear power)	1,030,988	666,378	643,772	750,746	744,844	752,649	718,676

## Chemical substances

### Data regarding substances subject to the PRTR Act (entire domestic Screen Group)

(t)

Substance name	Cabinet order number	Usage				
		2007	2008	2009	2010	2011
Hexavalent chromium compound	88	—	—	—	—	—
Trivalent chromium compound	87	—	—	—	—	—
Xylene	80	0.3	0.3	0.2	0.2	0.2
Hydroquinone	336	0.2	—	—	0	—
Hydrogen fluoride and its compound	374	5.7	6.9	5.7	2.8	4.5
Ethylene glycol	—	0.4	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
Formaldehyde	411	—	—	0.1	0	0.1
2-aminoethanol	20	—	—	0.1	0.2	0
Toluene	300	—	—	0.1	0.1	0.1
Ferric chloride	71	—	—	—	—	21.5
Total		6.6	8	6.8	3.6	26.6

\* 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				
	2007	2008	2009	2010	2011	2007	2008	2009	2010	2011	2007	2008	2009	2010	2011
Hexavalent chromium compound	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Trivalent chromium compound	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Xylene	0.3	0.3	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0
Hydroquinone	0	—	—	0	—	0	—	—	0	—	0.2	—	—	0	—
Hydrogen fluoride and its compound	0	0	0	0	0	0	0	0	0	0	5.7	6.9	5.7	2.8	4.5
Ethylene glycol	0	0	0	0	—	—	0	0	0	—	0.4	0.5	0.3	0	—
Poly (oxyethylene) = nonylphenyl ether	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nickel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nickel compound	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hydrazine	—	—	0	0	0	—	0	0	0	0	—	0.3	0.3	0.3	0.2
Formaldehyde	—	—	0	0	0	—	—	0	0	0	—	—	0.1	0	0.1
2-aminoethanol	—	—	0	0	0	—	—	0	0	0	—	—	0.1	0.2	0
Toluene	—	—	0.1	0.1	0.1	0	—	—	0	0	—	—	0	0	0
Ferric chloride	—	—	—	—	0	—	—	—	—	0	—	—	—	—	21.5
Total	0.3	0.3	0.3	0.3	0.3	0	0	0	0	0	6.3	7.7	6.5	3.3	26.3

### PCB processing (entire domestic Screen Group)

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

## ◆ Amount of substances used and in circulation

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

(t)

	2007	2008	2009	2010	2011
Total amount of substances used	17,668	15,680	17,875	7,498	<b>14,054</b>
Chemical substances	7	8	7	4	<b>27</b>

### Total amount of substances used (by resource type) (entire domestic Screen Group)

(t)

	2007	2008	2009	2010	2011
Total amount of substances used	17,932	15,680	18,333	7,755	<b>15,392</b>
Chemical substances	7	8	7	4	<b>27</b>

## ◆ Waste/recycling

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

(t)

	2006	2007	2008	2009	2010	2011
Total volume of waste emissions	1,321	1,282	1,080	939	479	<b>1,481</b>
Volume of recycled waste	1,300	1,269	1,072	937	475	<b>1,468</b>
Recycling rate (%)	98.40%	99.00%	99.20%	99.70%	99.16%	<b>99.12%</b>
Volume of waste for final disposal	21	13	8	2	4	<b>13</b>

### Total volume of waste emissions (entire domestic Screen Group)

(t)

	2006	2007	2008	2009	2010	2011
Total volume of waste emissions	2,086	1,501	1,313	1,098	647	<b>1,794</b>
Volume of recycled waste	1,942	1,481	1,304	1,095	629	<b>1,730</b>
Recycling rate (%)	93.10%	98.60%	99.20%	99.60%	97.22%	<b>96.43%</b>
Volume of waste for final disposal	144	20	9	3	18	<b>64</b>

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

(t)

Site/Group company	2006	2007	2008	2009	2010	2011
Hikone Plant	338	326	424	474	308	<b>769</b>
Head Office	47	33	18	15	18	<b>23</b>
Rakusai Site	194	147	128	114	40	<b>37</b>
Taga Plant	105	125	92	74	0	<b>108</b>
Yasu Plant	263	264	162	67	33	<b>56</b>
Kuze Plant	170	120	59	45	19	<b>187</b>
Kumiyama Plant	180	247	178	132	60	<b>299</b>
Kudan Office	24	19	19	18	2	<b>1</b>
Total of plants and offices	1,321	1,281	1,080	939	479	<b>1,481</b>
TechInTech Co., Ltd.	22	23	23	51	11	<b>18</b>
Quartz Lead Co., Ltd.	86	186	191	91	29	<b>89</b>
SEBACS Co., Ltd.	—	—	—	—	11	<b>4</b>
Scientific and Semiconductor Manufacturing Equipment Recycling Co., Ltd.	2	1	1	1	1	<b>2</b>
FEBACS Co., Ltd.	—	—	3	3	4	<b>3</b>
FASSE Co., Ltd.	—	—	—	—	79	<b>124</b>
SOKUDO Co., Ltd.	—	—	—	—	3	<b>11</b>
Media Technology Japan Co., Ltd.	—	—	—	—	8	<b>6</b>
MT Service Japan West Co., Ltd.	—	—	5	6	5	<b>5</b>
MT Service Japan East Co., Ltd.	—	—	—	—	2	<b>13</b>
S. Ten Nines Kyoto Co., Ltd.	—	—	—	—	0	<b>0</b>
INITOUT Japan Co., Ltd.	—	—	—	—	0	<b>1</b>
Tec Communications Co., Ltd.	8	9	8	7	5	<b>9</b>
TRANSUP Japan Co., Ltd.	1	1	1	1	7	<b>25</b>
GERANT Co., Ltd.	—	—	—	—	0	<b>0</b>
MEBACS Co., Ltd.	—	—	—	—	2	<b>3</b>
Total of group companies	656	10	11	9	167	<b>313</b>
Total of domestic groups	1,977	1,291	1,091	948	647	<b>1,794</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		2010	2011
Volume of valuable resources	290.8	<b>648.1</b>	Waste oil (special)	7.7	<b>10.3</b>
Sludge waste	223.9	<b>310.2</b>	Ceramics, glass	8.3	<b>20.4</b>
General-purpose paper	34.3	<b>130.9</b>	Waste alkali (special)	25.3	<b>18.8</b>
Waste plastic	80.2	<b>195.3</b>	Electric wiring, PCBs	0.4	<b>1.6</b>
Waste acid (special)	72.4	<b>100.3</b>	Burnable waste	3.2	<b>2.1</b>
Cardboard	31.0	<b>45.1</b>	Waste film	13.1	<b>21.7</b>
Cloth, wood scrap	48.8	<b>66.9</b>	Batteries	0.6	<b>0.6</b>
Waste alkali	12.0	<b>19.2</b>	Waste acid	2.2	<b>5.3</b>
Scrap metal	10.8	<b>90.2</b>	Waste fluorescent lighting	1.4	<b>5.6</b>
Paper	54.9	<b>71.0</b>	Others	7.2	<b>17</b>
Waste oil	8.3	<b>13.4</b>			

**Breakdown of valuable resources indicated above**

(t)

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

**Recycling rates by site**

(%)

	2010	2011		2010	2011
Hikone Plant	99.6	<b>98.3</b>	TechInTech Co., Ltd.	94.3	<b>94.9</b>
Head Office	96.0	<b>99.9</b>	Scientific and Semiconductor Manufacturing Equipment Recycling Co., Ltd.	40.6	<b>64.1</b>
Rakusai Site	100.0	<b>100.0</b>	Quartz Lead Co., Ltd.	99.2	<b>99.3</b>
Taga Plant	—	<b>100.0</b>	FASSE Co., Ltd.	84.8	<b>62.6</b>
Yasu Plant	100.0	<b>100.0</b>	SOKUDO Co., Ltd.	99.6	<b>99.7</b>
Kuze Plant	99.9	<b>99.9</b>	MT Service Japan East Co., Ltd.	98.1	<b>100.0</b>
Kumiyama Plant	99.7	<b>100.0</b>	MT Service Japan West Co., Ltd.	100.0	<b>100.0</b>
Kudan Office	99.2	<b>100.0</b>	SEBACS Co., Ltd.	99.2	<b>96.7</b>
			FEBACS Co., Ltd.	99.9	<b>99.7</b>
			MEBACS Co., Ltd.	98.9	<b>100.0</b>
			Media Technology Japan Co., Ltd.	98.7	<b>72.3</b>
			Tec Communications Co., Ltd.	93.9	<b>98.3</b>
			TRANSUP Japan Co., Ltd.	99.9	<b>100.0</b>
			INITOUT Japan Co., Ltd.	100.0	<b>99.9</b>
			S. Ten Nines Kyoto Co., Ltd.	88.5	<b>89.8</b>
			GERANT Co., Ltd.	100.0	<b>100.0</b>
Total of domestic groups				98.1	<b>83.8</b>

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

 **Green purchasing ratio**
**Green purchasing ratio by site**

	2006	2007	2008	2009	2010	2011
Hikone Plant	98.70%	98.70%	99.20%	99.70%	99.21%	<b>99.97%</b>
Head Office/Nishikyogoku Office	98.60%	97.50%	98.40%	99.60%	99.82%	<b>76.38%</b>
Rakusai Site	98.60%	98.90%	98.80%	100.00%	93.82%	<b>100.00%</b>
Taga Plant	100.00%	100.00%	100.00%	100.00%	—	<b>100.00%</b>
Yasu Plant	97.40%	97.40%	99.60%	100.00%	100.00%	<b>99.68%</b>
Kuze Plant	99.90%	99.70%	100.00%	99.90%	100.00%	<b>100.00%</b>
Kumiyama Plant	99.60%	99.70%	99.80%	99.80%	100.00%	<b>100.00%</b>
Ikebukuro/Kudan/Otsuka Offices	99.00%	98.60%	99.80%	100.00%	100.00%	<b>100.00%</b>
Tech In Tech Co., Ltd.	99.70%	99.10%	98.50%	99.00%	96.62%	<b>100.00%</b>
Scientific and Semiconductor Manufacturing Equipment Recycling Co., Ltd.	100.00%	100.00%	100.00%	99.50%	100.00%	<b>100.00%</b>
Quartz Lead Co., Ltd.	98.70%	98.40%	99.40%	99.70%	100.00%	<b>100.00%</b>
FASSE Co., Ltd.	—	—	—	—	82.36%	<b>96.13%</b>
SOKUDO Co., Ltd.	—	—	—	—	100.00%	<b>100.00%</b>
MT Service Japan East Co., Ltd.	—	—	—	—	—	<b>100.00%</b>
MT Service Japan West Co., Ltd.	—	—	99.90%	100.00%	100.00%	<b>100.00%</b>
SEBACS Co., Ltd.	—	—	← Included in the Nishikyogoku Office →		93.03%	<b>100.00%</b>
FEBACS Co., Ltd.	—	—	99.90%	100.00%	85.79%	<b>100.00%</b>
MEBACS Co., Ltd.	—	—	—	—	89.77%	<b>100.00%</b>
Media Technology Japan Co., Ltd.	—	—	—	—	—	<b>100.00%</b>
Tec Communications Co., Ltd.	98.30%	98.70%	100.00%	100.00%	91.28%	<b>99.81%</b>
TRANSUP Japan Co., Ltd.	100.00%	100.00%	100.00%	100.00%	98.57%	<b>99.28%</b>
INITOUT Japan Co., Ltd.	—	—	—	—	100.00%	<b>98.54%</b>
S. Ten Nines Kyoto Co., Ltd.	—	—	—	—	100.00%	<b>100.00%</b>
GERANT Co., Ltd.	—	—	—	—	65.68%	<b>89.17%</b>
Total of domestic groups	97.90%	98.50%	99.20%	99.70%	97.83%	<b>98.58%</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.

 **Water**
**Volume of water resources used (Dainippon Screen)**
(m<sup>3</sup>)

	2006	2007	2008	2009	2010	2011
Service water	435,459	427,970	419,674	300,447	221,176	<b>246,685</b>
Industrial water	2,079,989	2,089,763	2,093,547	2,070,497	1,673,865	<b>1,802,589</b>
Ground water	—	—	—	—	—	—
Total	2,515,448	2,517,733	2,513,221	2,370,944	1,895,041	<b>2,049,274</b>

**Total volume of water emissions (Dainippon Screen)**
(m<sup>3</sup>)

	2006	2007	2008	2009	2010	2011
Public water areas	2,487,294	2,500,836	2,481,510	2,362,653	1,894,633	<b>2,048,833</b>

**Volume of water resources used (entire domestic Screen Group)**

 (m<sup>3</sup>)

	2006	2007	2008	2009	2010	2011
Service water	458,466	454,937	433,507	310,555	243,870	<b>281,153</b>
Industrial water	3,674,389	2,089,763	2,093,547	2,070,497	1,673,865	<b>1,802,589</b>
Ground water	—	—	—	—	—	—
<b>Total</b>	<b>4,132,855</b>	<b>2,544,700</b>	<b>2,527,054</b>	<b>2,381,052</b>	<b>1,917,735</b>	<b>2,083,742</b>

**Total volume of water emissions (entire domestic Screen Group)**

 (m<sup>3</sup>)

	2006	2007	2008	2009	2010	2011
Public water areas	4,101,170	2,527,282	2,495,343	2,372,761	1,917,327	<b>2,072,401</b>

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

(mg/l)

	2006	2007	2008	2009	2010	2011
BOD	1.4	1.4	1.4	1.4	1.6	<b>1.5</b>
COD	2.4	2.4	2.4	2.4	2.8	<b>2.3</b>

 **Air quality**
**SOx and NOx emissions (entire domestic Screen Group)**

(t)

	2006	2007	2008	2009	2010	2011
SOx emissions	18.1	14.6	0.08	0.02	0.0	<b>0.0</b>
NOx emissions	10.1	6.3	4.9	5.8	4.6	<b>8.9</b>

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

(t)

	2007	2008	2009	2010	2011
Vehicles	1,185	993	899	579	<b>1,026</b>
Ships	8	14	33	14	<b>40</b>
Railroads	2	2	2	2	<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	2009	2010	2011
Marine transport	262	130		166metric tons	76metric tons	<b>202metric tons</b>
Rail transport	105	98		11metric tons	11metric tons	<b>8metric tons</b>

**Number of trucks involved in transportation**

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

**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 new 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.

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

	2007	2008	2009	2010	2011
Number of green products	9	40	56	63	<b>76</b>
Percentage of total sales(%)					
Target	10	20	30	40	<b>50</b>
Performance	31	45	45	72	<b>60</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/environmentE/products.html>

# Material Balance

