

**Environmental impact data of Manufacturing Facilities in Japan:**  
**Headquarters, Mizuho Manufacturing Facility, Hoshizaki Manufacturing Facility,**  
**Minato Manufacturing Facility, Momozono Manufacturing Facility,**  
**Kariya Manufacturing Facility, Research & Development Center, Logistic Center**

		Unit	FY2011	FY2012	FY2013	
<b>● Resource consumption amount</b>						
○ Product material						
	Metal	t	15,941	11,103	9,870	
	Plastic	t	65	154	132	
	Other	t	1,288	1,083	974	
○ Other materials (main materials)						
	Expanded polystyrene for packaging	t	9	6	6	
	Corrugated fiberboard	t	30	23	22	
	Paper	t	12	8	7	
<b>● Total energy consumption</b>						
	Electricity	MWh	39,222	38,712	38,493	
	Steam	t	0	0	0	
	LPG/LNG	t	132	135	49 <sup>*1</sup>	
	City gas, etc.	m <sup>3</sup>	513,153	521,773	634,565	
	Oil, etc.	kl	38	41	39	
<b>● Emissions of greenhouse gases</b>		t-CO <sub>2</sub>	16,321	16,033 <sup>*2</sup>	16,033	
<b>● Water consumption</b>						
Water intake	Clean water	m <sup>3</sup>	108,308 <sup>*2</sup>	109,586 <sup>*2</sup>	104,890	
	Industrial water	m <sup>3</sup>	0	0	0	
	Underground water	m <sup>3</sup>	0	0	0	
Amount of wastewater	Public water	m <sup>3</sup>	20,103	15,633	14,241	
	Sewer system	m <sup>3</sup>	87,497	93,180	89,658	
Amount of recycled water		m <sup>3</sup>	183	173	194	
Water pollution load <sup>*3</sup>	BOD (biological oxygen demand)		mg/l	24	32	20
	COD (chemical oxygen demand)		mg/l	14	17	9
	n-hexane	Mineral oils	mg/l	2	4	1
		Animal and vegetable oils	mg/l	4	7	6
	SS (suspended solids)		mg/l	12	11	15
<b>●Waste amount</b>						
Production-related waste		t	2,362	2,023	1,937	
Amount of waste recycled		t	2,362	2,023	1,937	
Recycle rate		%	100	100	100	
Amount of landfill waste		t	0	0	0	
Rate of landfill waste		%	0	0	0	

\*1 The fuel for the catalytic combustion facility installed at the Kariya Manufacturing Facility was changed from LPG to city gas.

\*2 The values were revised because unnecessary values were contained within the scope of aggregation.

\*3 These are the average values of the Mizuho Manufacturing Facility, Hoshizaki Manufacturing Facility, Minato Manufacturing Facility, Momozono Manufacturing Facility, Kariya Manufacturing Facility, and the Logistics Center.

**Outline of Manufacturing Facility(as of March 31, 2014)**

**Headquarters**



Location: Nagoya, Aichi Prefecture, Japan

Land area: 4,554 m<sup>2</sup>

Establishment year: 1961

### Mizuho Manufacturing Facility



Location: Nagoya, Aichi Prefecture, Japan

Main line of business: R&D of communications and printing equipment, electronic stationery, and home sewing machines

Land area: 42,102 m<sup>2</sup>

Establishment year: 1950

### Hoshizaki Manufacturing Facility



Location: Nagoya, Aichi Prefecture, Japan

Main line of business: Prototype production of printer heads

Land area: 32,687 m<sup>2</sup>

Establishment year: 1939

### Minato Manufacturing Facility



Location: Nagoya, Aichi Prefecture, Japan

Main line of business: Processing of various parts of communications and printing equipment

Land area: 27,200 m<sup>2</sup>

Establishment year: 1952

### Momozono Manufacturing Facility



Location: Nagoya, Aichi Prefecture, Japan

Main line of business: Research and development

Land area: 4,085 m<sup>2</sup>

Establishment year: 1963

### Kariya Manufacturing Facility



Location: Kariya, Aichi Prefecture, Japan

Main line of business: Production of telecommunication/printing equipment, electronic stationery, industrial sewing machines, machine tools, and karaoke systems for business use

Land area: 133,311 m<sup>2</sup>

Establishment year: 1966

### Research & Development Center



Location: Nagoya, Aichi Prefecture, Japan

Main line of business: Research and development

Land area: 4,655 m<sup>2</sup>

Establishment year: 2007

### Logistic Center



Location: Nagoya, Aichi Prefecture, Japan

Main line of business: Logistics

Land area: 22,651 m<sup>2</sup>

Establishment year: 1998