

**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, Logistics Center**

		Unit	FY2012	FY2013	FY2014	
● Resource consumption amount						
○ Product material						
	Metal	t	11,103	9,870	22,055 ^{*4}	
	Plastic	t	154	132	167 ^{*4}	
	Other	t	1,083	974	1,595 ^{*4}	
○ Other materials (main materials)						
	Expanded polystyrene for packaging	t	6	6	20 ^{*4}	
	Corrugated fiberboard	t	23	22	51 ^{*4}	
	Paper	t	8	7	45 ^{*4}	
● Total energy consumption						
	Electricity	MWh	38,712	38,493	37,529	
	Steam	t	0	0	0	
	LPG/LNG	t	135	49 ^{*3}	0	
	City gas	m ³	521,773	634,565	706,723 ^{*3}	
	Oil, etc.	kl	41	39	38	
● Emissions of greenhouse gases		t-CO ₂	16,033 ^{*2}	16,033	15,659	
● Water consumption						
Water intake	Clean water	m ³	109,586 ^{*2}	104,890	101,060	
	Industrial water	m ³	0	0	0	
	Underground water	m ³	0	0	0	
Amount of wastewater	Public water	m ³	15,633	14,241	16,224 ^{*5}	
	Sewer system	m ³	93,180	89,658	83,739	
Amount of recycled water		m ³	173	194	200	
Water pollution load ^{*1}	BOD (biological oxygen demand)		mg/l	37 ^{*2}	23 ^{*2}	25
	COD (chemical oxygen demand)		mg/l	14 ^{*2}	9	10
	n-hexane	Mineral oils	mg/l	4	1	Less than 1
		Animal and vegetable oils	mg/l	7	6	7
	SS (suspended solids)		mg/l	10 ^{*2}	21 ^{*2}	10
● Waste amount						
Production-related waste		t	2,023	1,937	2,302 ^{*4}	
Amount of waste recycled		t	2,023	1,937	2,302 ^{*4}	
Recycle rate		%	100	100	100	
Amount of landfill waste		t	0	0	0	
Rate of landfill waste		%	0	0	0	

*1: 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.

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

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

*4: The values increased due to increased production volume primarily at the Kariya Manufacturing Facility.

*5: The value increased due to increased personnel at the Kariya Manufacturing Facility.

Outline of Manufacturing Facility(as of March 31, 2015)

Headquarters



Location: Nagoya, Aichi Prefecture, Japan

Land area: 4,554 m²

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 m²

Establishment year: 1950

Hoshizaki Manufacturing Facility



Location: Nagoya, Aichi Prefecture, Japan

Main line of business: Prototype production of printer heads

Land area: 32,687 m²

Establishment year: 1939

Minato Manufacturing Facility



Location: Nagoya, Aichi Prefecture, Japan

Main line of business: Production of industrial sewing machines

Land area: 27,200 m²

Establishment year: 1952

Momozono Manufacturing Facility



Location: Nagoya, Aichi Prefecture, Japan

Main line of business: Research and development

Land area: 4,085 m²

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 m²

Establishment year: 1966

Research & Development Center



Location: Nagoya, Aichi Prefecture, Japan

Main line of business: Research and development

Land area: 4,655 m²

Establishment year: 2007

Logistics Center



Location: Nagoya, Aichi Prefecture, Japan

Main line of business: Logistics

Land area: 22,651 m²

Establishment year: 1998