

## FY2019 Second Quarter

	1Q.FY2019	2Q.FY2019	Change% VS 1Q.FY2019	2Q.FY2018	Change% VS 2Q.FY2018
Net sales	3,616	<b>3,759</b>	+3.9%	3,730	+0.8%
Glass	1,861	<b>1,890</b>	+1.6%	1,934	-2.3%
Electronics	594	<b>652</b>	+9.7%	603	+8.0%
Chemicals	1,127	<b>1,158</b>	+2.8%	1,150	+0.8%
Ceramics/Other	185	<b>218</b>	-	215	-
Elimination	-152	<b>-160</b>	-	-172	-
Operating profit	209	<b>206</b>	-1.2%	297	-30.5%
Glass	35	<b>39</b>	+11.0%	78	-50.4%
Electronics	25	<b>35</b>	+41.1%	41	-14.9%
Chemicals	144	<b>118</b>	-18.4%	167	-29.6%
Ceramics/Other	6	<b>15</b>	-	11	-
Elimination	-1	<b>0</b>	-	-0	-
Profit before tax	235	<b>191</b>	-18.8%	305	-37.5%
Profit for the period attributable to owners of the parent	156	<b>167</b>	+6.7%	233	-28.5%
Earnings per share (Yen)	70.62	<b>75.34</b>	+6.7%	103.23	-27.0%

## First Half

(100 million yen)

	1-2Q.FY2018	1-2Q.FY2019	Change% VS 1-2Q.FY2018
Net sales	7,455	<b>7,375</b>	-1.1%
Glass	3,877	<b>3,752</b>	-3.2%
Electronics	1,163	<b>1,246</b>	+7.1%
Chemicals	2,297	<b>2,285</b>	-0.5%
Ceramics/Other	398	<b>404</b>	-
Elimination	-280	<b>-312</b>	-
Operating profit	603	<b>415</b>	-31.2%
Glass	155	<b>74</b>	-52.5%
Electronics	98	<b>60</b>	-39.0%
Chemicals	337	<b>262</b>	-22.3%
Ceramics/Other	13	<b>20</b>	-
Elimination	0	<b>-1</b>	-
Profit before tax	649	<b>426</b>	-34.5%
Profit for the period attributable to owners of the parent	481	<b>363</b>	-24.5%
Earnings per share (Yen)	213.05	<b>145.95</b>	-31.5%

## FY2019 Full-Year Forecast

(100 million yen)

	FY2018 (Jan. 1 through Dec. 31,2018)	FY2019e (Jan. 1 through Dec. 31,2019)
Net sales	15,229	<b>15,400</b>
Operating profit	1,206	<b>1,050</b>
Profit before tax	1,284	<b>980</b>
Profit for the year attributable to owners of the parent	896	<b>640</b>
Cash dividends per share (Yen)	115	<b>120</b>

## Major BS Account Headings and Indices

(100 million yen)

	FY2018 (as of Dec. 31,2017)	2Q.FY2019 (as of June. 30,2019)	Change%
Interest-bearing debts	5,418	<b>6,193</b>	+14.3%
Equity	12,536	<b>12,562</b>	+0.2%
D/E ratio	0.43	<b>0.49</b>	-

## CAPEX / Depreciation &amp; Amortization / R&amp;D: Actual and Forecast

(100 million yen)

	2Q.FY2018	2Q.FY2019	Change%	FY.2018	FY.2019e
CAPEX	1,179	<b>1,011</b>	-14.3%	2,306	<b>2,200</b>
Depreciation & Amortization	610	<b>695</b>	+13.9%	1,217	<b>1,400</b>
R&D	217	<b>229</b>	+5.7%	458	<b>500</b>

## Exchange rates, Crude Oil Price: Actual and Forecast

		FY2018				FY2019			
		1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
JPY/USD	Average	108.30	109.07	111.46	112.90	110.20	109.90	110.0*	
	At term end	106.24	110.54	113.57	111.00	110.99	107.79		
JPY/EUR	Average	133.22	130.06	129.63	128.78	125.15	123.49	120.0*	
	At term end	130.52	127.91	132.14	127.00	124.56	122.49		
Dubai Crude Oil (\$/BBL)		\$63.9	\$72.1	\$74.3	\$67.4	\$63.5	\$67.4	\$60*	

Assumption for FY2019 second half