

1st-half consolidated results (versus original forecasts for the period)

				(millions of yen)		
	Original forecasts (announced May 10)		1st-half FY ending Mar.31,2020		Vs. original forecasts for the period	
	Amount	Percent (%)	Amount	Percent (%)	Change	Rate(%)
Net sales	21,000	100.0	21,577	100.0	577	2.7
Operating income	450	2.1	1,383	6.4	933	207.5
Ordinary income	450	2.1	1,613	7.5	1,163	258.5
Net income	0	0.0	280	1.3	280	_
EPS (yen)	0	_	2.91	_	2.91	_

[※] Net Income refers to net income attributable to owners of parent.

1st-half consolidated results (year-on-year change)

	1st-h		1st-half		Year-on-year change		
	FY ended M	ar.31,2019	FY ending Mar.31,2020		rear-on-y	real on year change	
	Amount	Percent (%)	Amount	Percent (%)	Change	Rate (%)	
Net sales	34,474	100.0	21,577	100.0	▲ 12,896	▲37.4	
Gross profit	15,655	45.4	7,412	34.4	▲8,243	▲52.7	
Operating income	8,914	25.9	1,383	6.4	▲ 7,530	▲84.5	
Ordinary income	9,337	27.1	1,613	7.5	▲7,724	▲82.7	
Net income	5,908	17.1	280	1.3	▲5,627	▲ 95.3	
EPS (yen)	61.37		2.91		▲58.46	▲ 95.3	
Capital investment	10,506		5,779		▲ 4,726	▲ 45.0	
Depreciation costs	2,784		3,635		850	30.6	
R&D costs	1,204		1,166		▲38	▲3.2	

X Net Income refers to net income attributable to owners of parent.

X Capital investment amounts are the amounts of tangible and intangible fixed assets acquired in the term.

Performance of main group companies for 1st-half of fiscal year ending March 31, 2020

(millions of yen)

		Equity	/ Net sales		Net income	
	stake		Amount	Change(%)	Amount	Change(%)
	Harmonic Drive Systems Inc.	-	10,527	▲ 58.3	253	▲95.1
*2 *5	HD Systems, Inc. (Harmonic Drive L.L.C.) (U.S.A)	100% (51%)	3,610	11.9	323	38.7
	Harmonic AD, Inc.	100%	967	▲39.4	15	▲89.5
*3	Harmonic Drive Systems (Shanghai) Co., Ltd.	100%	2,365	7.7	199	31.7
*4 *6	Harmonic Drive AG (Germany)	74.7%	7,410	▲8.0	577	▲55.9

Percent change(%) indicates increase or decrease from same period of previous fiscal year.

^{*1} For overseas subsidiaries and affiliates, the fiscal year ends December 31.

^{*2} Exchange rates: Jan. – Jun., 2018 1US\$ = 108.68 yen, Jan. – Jun., 2019 1US\$ = 110.05 yen

^{*3} Exchange rates: Jan. – Jun., 2018 1CNY = 17.09 yen, Jan. – Jun., 2019 1US\$ = 16.20 yen

^{*4} Exchange rates: Jan. – Jun., 2018 1€ = 131.64 yen, Jan. – Jun., 2019 1€ = 124.32 yen

^{*5} Net income of US subsidiaries (consolidated) is after excluding non-controlling interests.

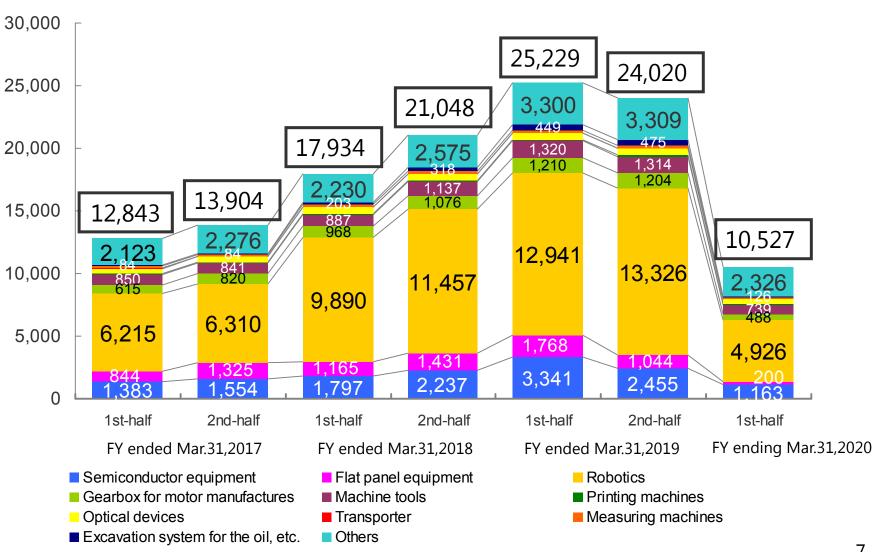
^{*6} Net income of German subsidiaries (consolidated) is before excluding non-controlling interests.

1st-half non-consolidated results

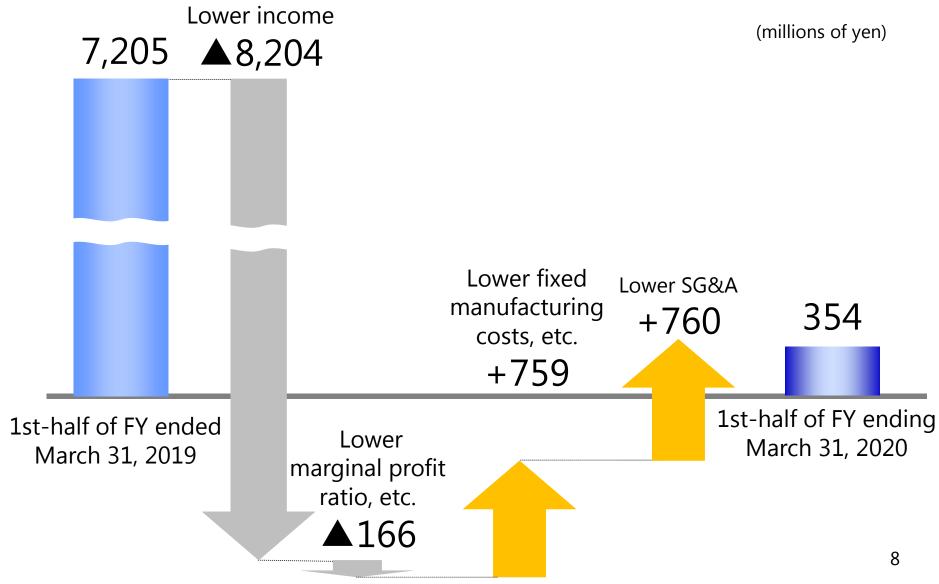
			.ea resuit	.3	(mill	ions of yen)
	1st-h FY ended M		1st-half FY ending Mar.31,2020		Year-on-year change	
	Amount	Percent(%)	Amount	Percent(%)	Change	Rate(%)
Net sales	25,229	100.0	10,527	100.0	▲ 14,701	▲ 58.3
Gross profit	10,415	41.3	2,804	26.6	▲ 7,610	▲ 73.1
Operating income	7,205	28.6	354	3.4	▲6,851	▲ 95.1
Ordinary income	7,510	29.8	679	6.5	▲6,831	▲ 91.0
Net income	5,196	20.6	253	2.4	▲ 4,942	▲95.1
EPS (yen)	53.98		2.64		▲51.3	▲95.1
Capital investment	8,716		3,651		▲5,065	▲ 58.1
Depreciation costs	966		1,551		585	60.6
R&D costs	805		841		36	4.5

Net sales by application (non-consolidated)

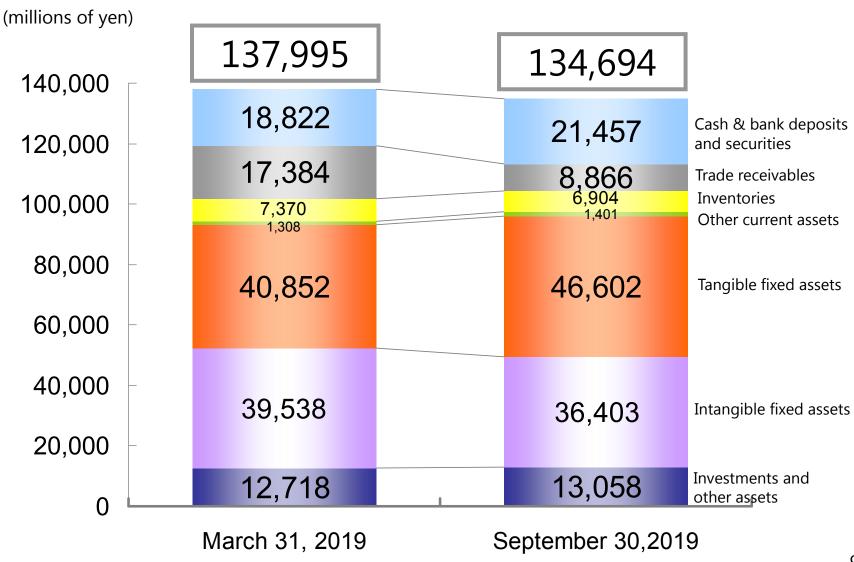
(millions of yen)



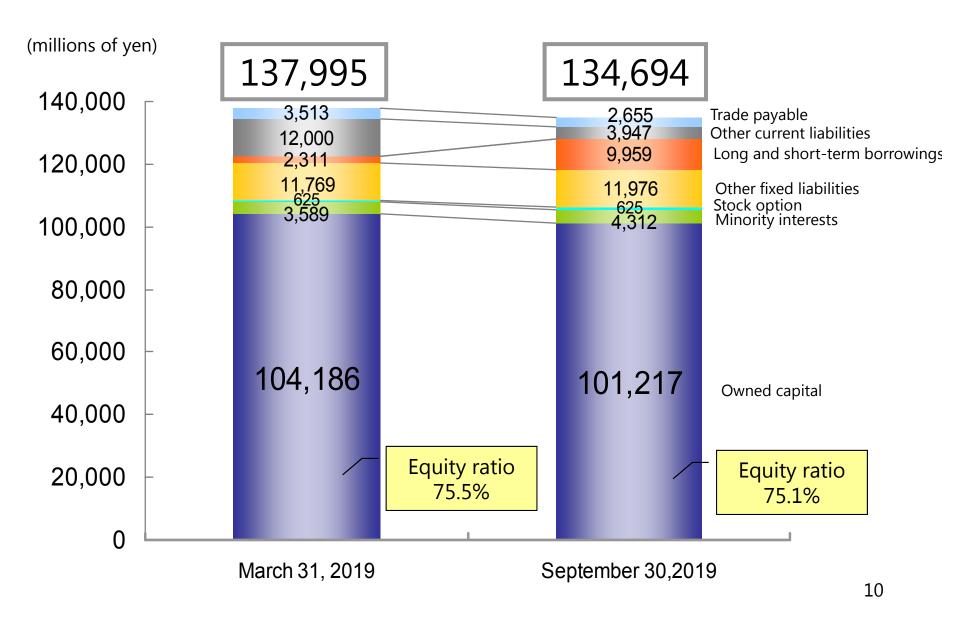
Factors in year-on-year change in 1st-half non-consolidated operating income



Status of consolidated assets



Status of consolidated liabilities and net assets



Status of consolidated cash flows

(millions of yen)	1st-half of FY ended Mar.31,2019	1st-half of FY ending Mar.31,2020
Cash flow from operating activities	3,555	8,756
Cash flow from investing activities	▲8,415	▲ 9,638
Cash flow from financing activities	▲ 1,126	3,522
Effect of exchange rate changes on cash and cash equivalents	▲ 168	▲ 50
Net increase (decrease) in cash and cash equivalents	▲ 6,156	2,590
Cash and cash equivalents at end of year	22,164	20,190