

Consolidated performance forecasts for FY 2020/3

			(millions of yen)			
	FY2019/3		FY2020/3 forecasts		Year-on-year change	
	Amount	Percent (%)	Amount	Percent (%)	Change	Rate (%)
Net sales	67,809	100.0	42,000	100.0	▲ 25,809	▲38.1
Operating income	16,903	24.9	1,000	2.4	▲ 15,903	▲ 94.1
Ordinary income	17,464	25.8	1,000	2.4	▲ 16,464	▲ 94.3
Net income	11,601	17.1	50	0.1	▲ 11,551	▲ 99.6
EPS (yen)	120.52	_	0.52	_	▲ 120.00	▲ 99.6
Capital investment	23,876	_	9,500	_	▲ 14,376	▲ 60.2
Depreciation costs	6,247	_	7,900	_	1,652	26.5
R&D costs	2,476	_	2,450	_	▲26	▲ 1.1

Assumed exchange rate for FY20/3 forecasts 1USD = \$110.00 1EUR = \$125.00 1CNY = \$16.00 Net income refers to net income attributable to owners of parent.

Depreciation costs include depreciation cost of tangible assets and amortization cost of intangible assets and goodwill.

FY 2020/3 forecasts for main group firms

(millions of yen)

		Equity	Net sales		Net income	
		stake	Amount	Year-on-year change (%)	Amount	Year-on-year change (%)
	Harmonic Drive Systems Inc.	-	22,000	▲55.3	100	▲99.0
% 2 % 5	HD Systems, Inc. (Harmonic Drive L.L.C.) (U.S.A)	100% (51%)	6,700	▲ 2.3	400	▲ 19.1
	Harmonic AD, Inc.	100%	2,000	▲ 40.7	20	▲ 94.5
※ 3	Harmonic Drive Systems (Shanghai) Co., Ltd.	100%	4,400	8.7	190	▲ 2.5
% 4 % 6	Harmonic Drive AG (Germany)	74.7%	15,500	▲ 2.8	2,100	▲9.9

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

^{*2} Exchange rates: FY18/12 1USD = 110.43yen, FY19/12 (forecast) 1USD = 110.00yen

^{*3} Exchange rates: FY18/12 1CNY = 16.72yen, FY19/12 (forecast) 1CNY = 16.00yen

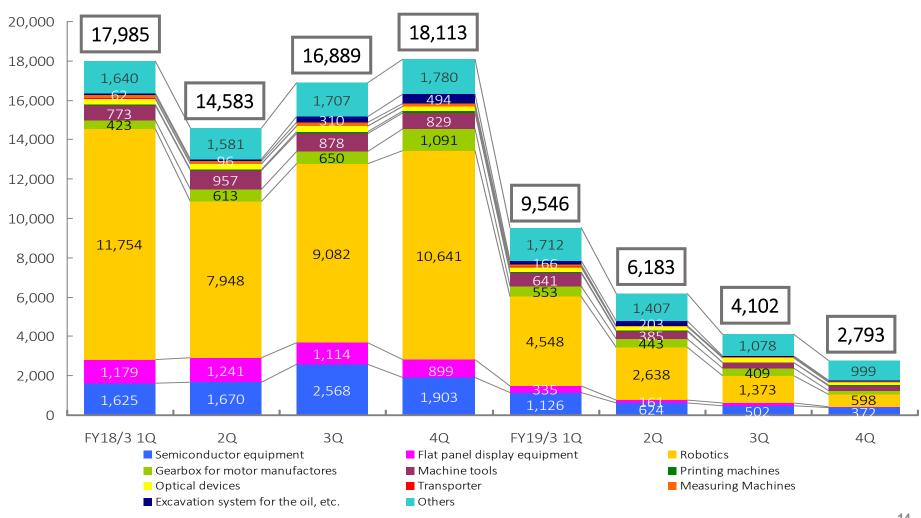
^{*4} Exchange rates: FY18/12 1EUR = 130.42yen, FY19/12 (forecast) 1EUR = 125.00yen

^{*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.

Non-consolidated bookings by application (quarterly)

(millions of yen)

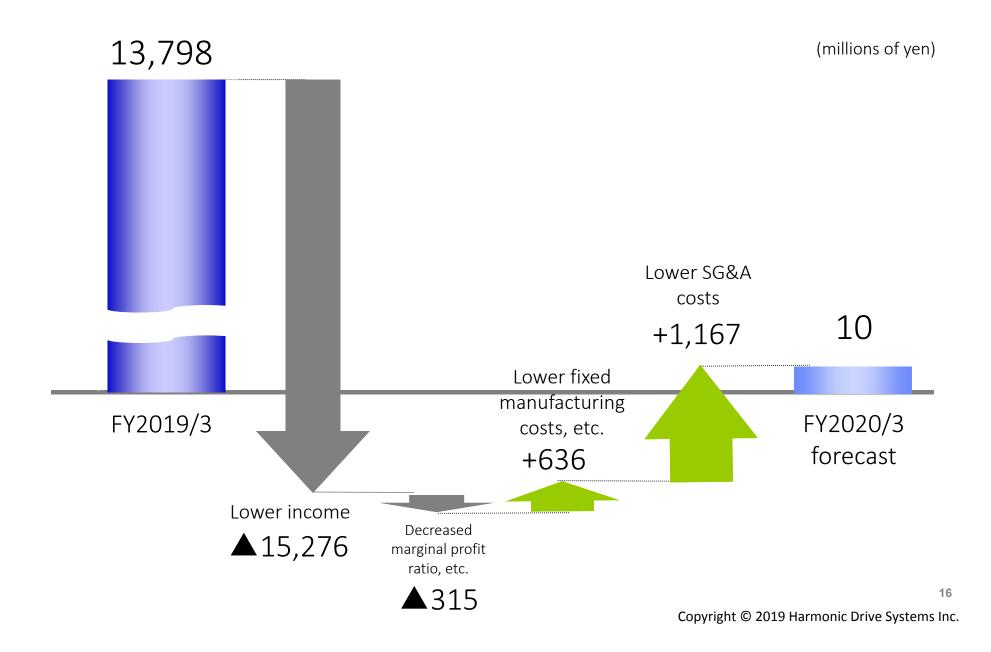


Non-consolidated performance forecasts for FY 2020/3

	(millions of yen)					
	FY2019/3		FY2020/3 forecasts		Year-on-year change	
	Amount	Percent (%)	Amount	Percent (%)	Change	Rate (%)
Net sales	49,249	100.0	22,000	100.0	▲ 27,249	▲55.3
Operating income	13,798	28.0	10	0.0	▲ 13,788	▲99.9
Ordinary income	14,213	28.9	150	0.7	▲ 14,063	▲98.9
Net income	10,413	21.1	100	0.5	▲ 10,313	▲ 99.0
EPS (yen)	108.18	_	1.04	_	▲ 107.18	▲ 99.0
Capital investment	15,945	_	4,700	_	▲ 11,245	▲ 70.5
Depreciation costs	2,458	_	3,860	_	1,401	57.0
R&D costs	1,629	_	1,800	_	170	10.5

Assumed exchange rate for FY20/3 forecasts $1USD = \frac{10.00}{1}$ 1EUR = $\frac{10.00}{1}$ 1EUR =

Factors in year-on-year change in non-consolidated operating income (FY 2020/3 forecast)



Sales trend line (non-consolidated)

