

## Consolidated performance forecasts for FY 2018/3

(millions of yen)										
	FY2018/3		FY2019/3 forecasts		Year-on-year change					
	Amount	Percent (%)	Amount	Percent (%)	Change	Rate (%)				
Net sales	54,339	100.0	68,500	100.0	14,160	26.1				
Operating income	12,598	23.2	17,400	25.4	4,801	38.1				
Ordinary income	12,228	22.5	17,600	25.7	5,371	43.9				
Net income	8,059	14.8	11,500	16.8	3,440	42.7				
EPS (yen)	86.9	_	119.46	_	32.56	37.5				
Capital investment	8,757	_	24,000	_	15,242	174.1				
Depreciation costs	5,852	_	6,500	_	647	11.1				
R&D costs	2,114	_	2,750	_	635	30.0				

Assumed exchange rate for FY19/3 forecasts  $1USD = \frac{105.00}{1}$   $1EUR = \frac{130.00}{1}$   $1CNY = \frac{16.00}{1}$  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 2019/3 forecasts for main group firms

(millions of yen) Net income Net sales **Equity** stake Year-on-year Year-on-year **Amount Amount** change (%) change (%) Harmonic Drive 50,000 10,000 28.4 28.3 Systems Inc. HD Systems, Inc. (Harmonic Drive L.L.C.) \*2 100% 6,100 10.4 250 3.5 (51%)\*5 (U.S.A) 100% 2,900 4.3 5.9 Harmonic AD, Inc. 260 Harmonic Drive Systems \*3 5,200 **▲**64.5 100% 12.0 100 (Shanghai) Co., Ltd. \*4 Harmonic Drive AG 15,800 74.7% 16.0 2,400 17.4 (Germany) \*6

<sup>\*1</sup> For overseas subsidiaries, the fiscal year ends December 31.

<sup>\*2</sup> Exchange rates: FY17/12 1USD = 112.19yen, FY18/12 (forecast) 1USD = 105.00yen

<sup>\*3</sup> Exchange rates: FY17/12 1CNY = 16.63yen, FY18/12 (forecast) 1CNY = 16.00yen

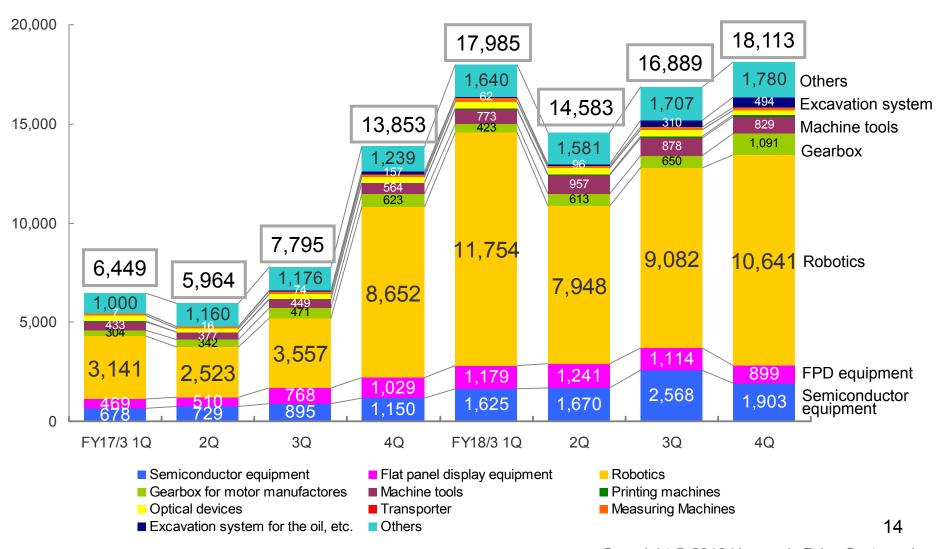
<sup>\*4</sup> Exchange rates: FY17/12 1EUR = 126.67yen, FY17/12 (forecast) 1EUR = 130.00yen

<sup>\*5</sup> Net income of US subsidiaries (consolidated) is after excluding non-controlling interests.

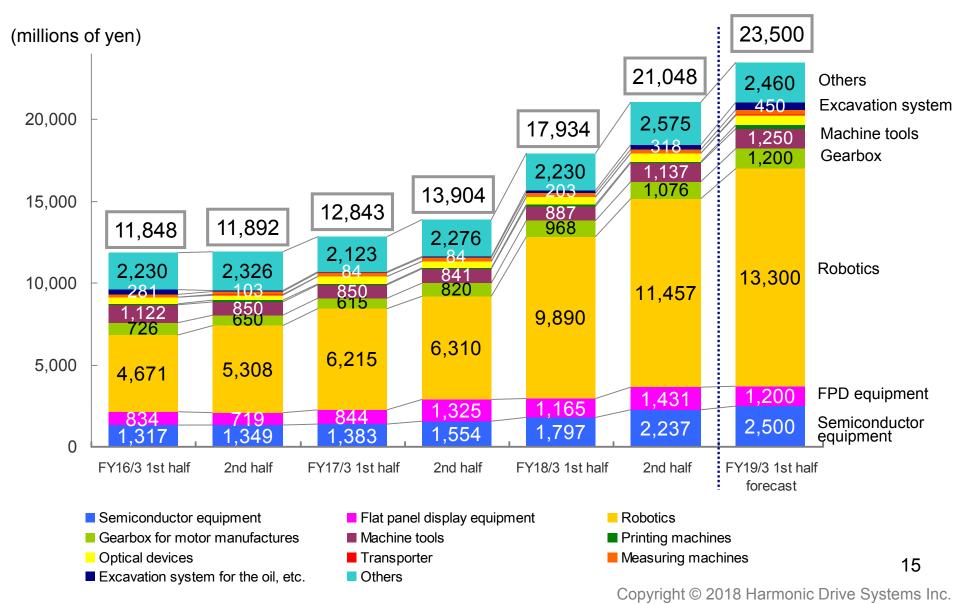
<sup>\*6.</sup> Net income of German subsidiaries (consolidated) is before excluding non-controlling interests .

# Non-consolidated bookings by application (quarterly)

(millions of yen)



# Non-consolidated Sales by application (by half-year)

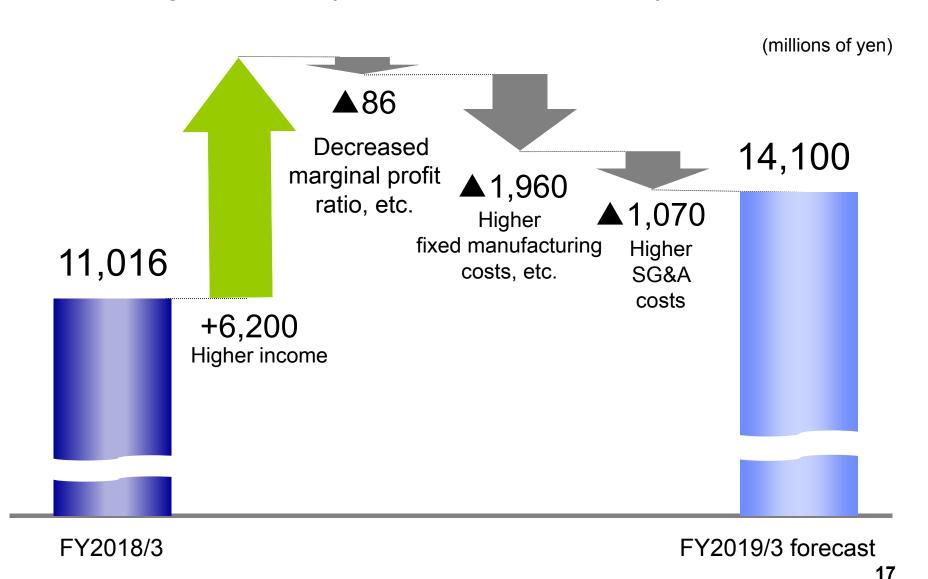


## Non-consolidated performance forecasts for FY 2019/3

	(millions of yen)									
	FY2018/3		FY2019/3 forecasts		Year-on-year change					
	Amount	Percent (%)	Amount	Percent (%)	Change	Rate (%)				
Net sales	38,982	100.0	50,000	100.0	11,017	28.3				
Operating income	11,016	28.3	14,100	28.2	3,083	28.0				
Ordinary income	11,044	28.3	14,300	28.6	3,255	29.5				
Net income	7,788	20.0	10,000	20.0	2,211	28.4				
EPS (yen)	83.97	_	103.88	_	19.91	23.7				
Capital investment	6,523	_	18,000	_	11,476	175.9				
Depreciation costs	1,634	_	2,600	_	965	59.1				
R&D costs	1,368	_	1,700	_	331	24.2				
EPS (yen)  Capital investment  Depreciation costs  R&D	83.97 6,523 1,634	— — — —	103.88 18,000 2,600	— — — —	19.91 11,476 965	23.7 175.9 59.1				

Assumed exchange rate for FY19/3 forecasts 1USD = ¥105.00 1EUR = ¥130.00 1CNY = ¥16.00

### Factors in year-on-year change in non-consolidated operating income (FY 2019/3 forecast)



#### Sales trend line (non-consolidated)

