

Hamamatsu Photonics K.K. Fiscal Year ended September 30, 2020 Financial Report

Tokyo Stock Exchange: 6965

11.11. 2020



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- The information contained in this material is based on data available as of making it. No guarantees, promises are made as to its accuracy or completeness.
- This material includes uncertain factors such as risks, economic trends and industry demands that affect actual business performance.
- Our prospects may differ from actual results.



- 1. Summary of consolidated results
- 2. Consolidated medium to short-term plan



- 1. Net sales are 140.2 billion yen (down by 3.9% from last year, -5.6 billion yen). Sales declined in many applications in the 2nd half of the fiscal year, significantly affected by the stagnation of economic activity due to the novel coronavirus infection, and sales have declined in many applications. On the other hand, there was an increase for PCR testing. The impact of COVID-19 to net sales is -7.0 billion yen, netting both increase and decrease.
- 2. Operating profit is 21.7 billion yen (down by 14.4% from last year, -3.6 billion yen). Despite efforts to reduce SG & A expenses, the significant decline in net sales led to profit decline.
- 3. Net profit is 16.5 billion yen (down by 17.0% from last year, -3.3 billion yen).

Impacts of the novel coronavirus infection (COVID-19)



(Unit: Million yen)

		2 nd half of FY2020									
		*Forecast at the end of the 2 nd quarter giving no thought to COVID-19 impact	*Revised forecast a quarter considering	Result							
Net s	sales	74 605	65,0	625	67,276						
Amount Rate	74,625	(9,000)	(12.1%)	(7,349)	(9.8%)						

Industry	Overview	*Expected impact	*Impact result	Affected area
Medical-bio	Products for dental are affected by decrease in factory utilization rate and restrained capital investment.		7777	Japan, Europe
instrument	Products for PCR testing are expanded.	**	*	North America, Asia
Industrial	Semiconductors expanded due to increased telework. (Due to COVID-19, some orders date has been extended.)			Japan, North America
instrument	Non-destructive inspection is affected by reduced airport utilization (baggage inspection) and reduced vehicle production (EV battery inspection).			Japan, Asia
Analytical instrument	liquid chromatograph etc. are affected by stagnation of sales activities.			Japan, North America
Academic research	Affected by project bidding delay and construction delay and closure of universities and other research institutes.			Europe, North America
Transport instrument	Affected by deduced vehicle production.			Japan, Europe



: Positive impact



: Some positive impact



: Minor impact



: Slight negative impact



: Large negative impact

^{*}Impacts are calculated in comparison with the forecast at the end of the 2nd quarter giving no thought to COVID-19 impact.

Consolidated financial results



Unit: Million Yen

	FY2019	FY2020	Compared with prev. year				
	result	result	Amount	Rate			
Net Sales	145,912	140,251	(5,661)	(3.9 %)			
Gross Profit (%)	73,996 (50.7%)	68,477 (48.8%)	(5,519)	(7.5 %)			
Operating Profit	25,403	21,752	(3,651)	(14.4 %)			
Ordinary Profit	26,277	22,692	(3,585)	(13.6 %)			
Net Profit	19,918	16,523	(3,395)	(17.0 %)			
Net Profit per share (yen)	128.67	106.73	(21.94)	(17.1 %)			
			(0.4.0()				

ROE(%)	10.1 %	8.0 %	(2.1 %)	-
Dividends (yen)	40	40		-

Exchange rate	Actual rates	Actual rates	
1 US dollar	110.10 yen	107.86 yen	
1 euro	124.21 yen	120.77 yen	
1 RMB	16.28 yen	15.37 yen	

Sales: 1st half

72.9 billion yen (-1.4 billion yen from last year)

2nd half

67.2 billion yen (-4.2 billion yen from last year)

...The impact of the COVID-19 became apparent in the 2nd half of the fiscal year.

SG& A expenses -0.9 billion yen, R & D expenses -0.9 billion yen

...Travel and transportation expenses and advertising expenses decreased due to the shift to non-face-to-face sales activities.

Impact by currency exchange on operating profit

... -1.3 billion yen

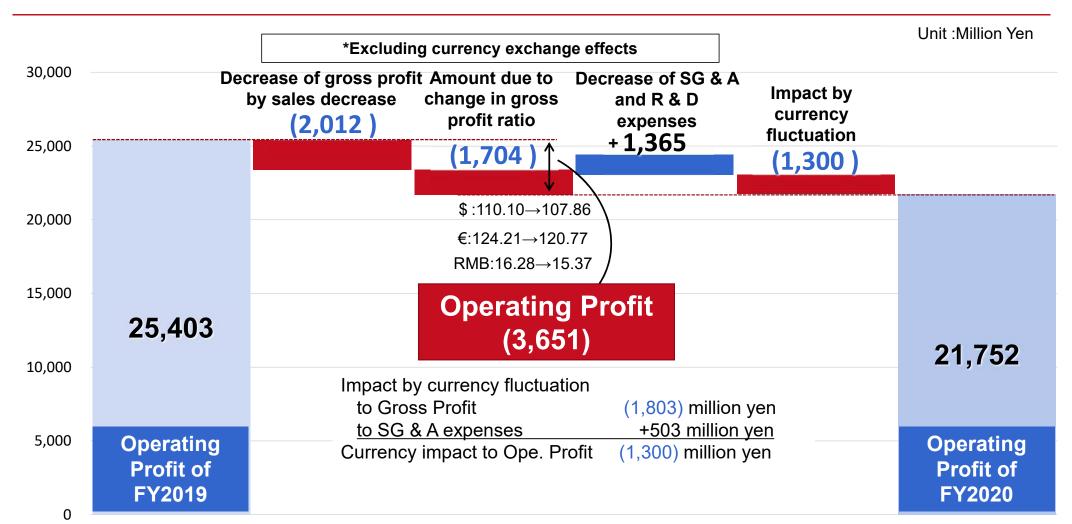
Currency sensitivity to operating profit (by 1 yen change)

...US dollar: 0.2 billion yen

euro : 0.1 billion yen RMB : 0.6 billion yen

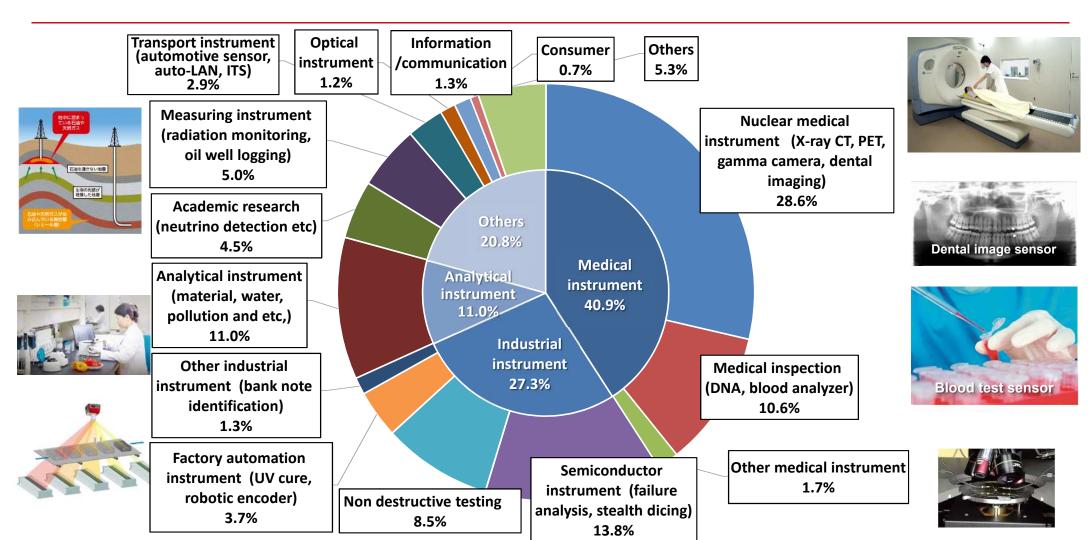
Analysis of impact by currency fluctuation to Operating Profit 2019-2020





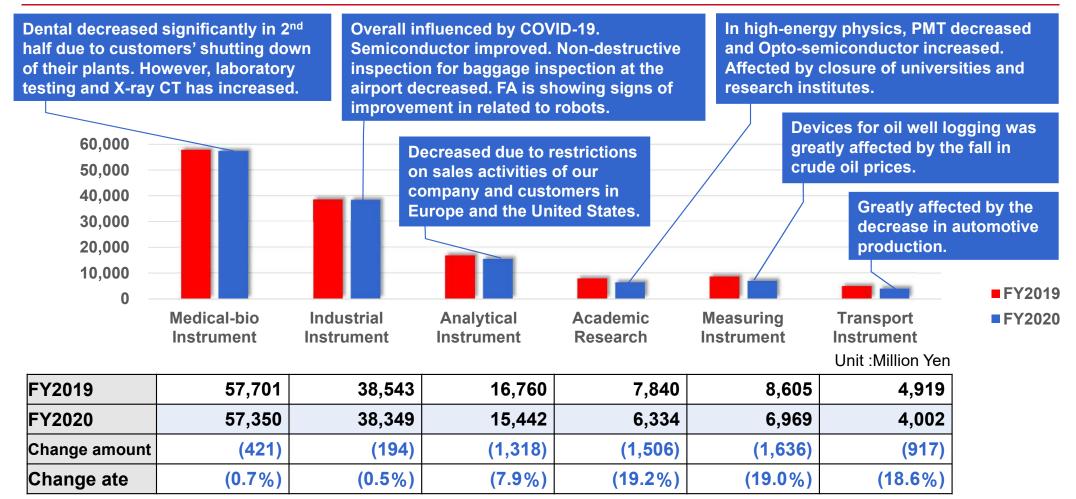
FY2020 sales by industry & application





Sales by industry & application





^{*}Numbers are rounded down to the nearest million yen

Consolidated financial results by business segment



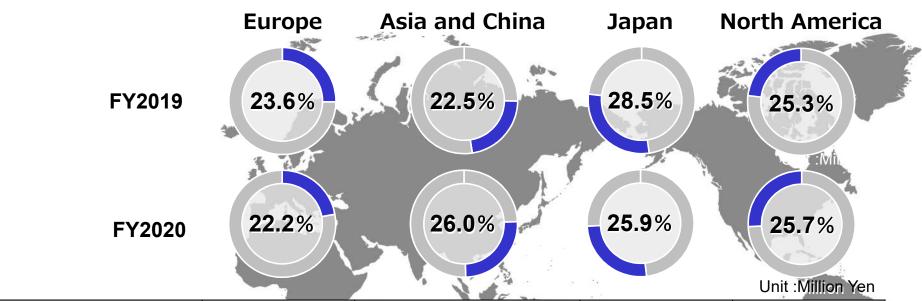
Segment	Account item	FY2019	FY2020	Amount of change / percent change	Summary
	Net sales	59,593	54,636	(4,957) (8.3 %)	Analytical instrument has decreasedDue to the closure of research institutions and the stagnation of sales activities
Electron tube	Operating profit	20,501	17,833	(2,668) (13.0 %)	Measuring instrument has decreasedProducts for oil well logging affected by fall-in of crude oil prices. Operating profit Decreased due to lower sales and higher R&D expenses.
Opto-	Net sales	66,006	66,666	660 1.0 %	Dental products has decreased due to the impact of customers' shutting down of their plants. However,
semiconductor	Operating profit	18,554	18,391	(163) (0.9%)	laboratory testing and X-ray CT has increased. Industrial instrument has increasedSemiconductor market has improved Operating profit Decreased due to higher cost of sales such as depreciation.
Imaging and	Net sales	18,412	16,754	(1,658) (9.0%)	Academic research has decreasedCell observation cameras were affected by the closure of research institutions and universities.
instruments	Operating profit	3,685	3,100	(585) (15.9%)	Some orders for semiconductor failure analysis system were postponed. Operating profit Decreased due to lower sales.

^{*}Including inter-segment sales

^{*}Numbers are rounded down to the nearest million yen

Sales by region





	Europe	Asia (of which China)	Japan	North America
FY2019	34,493	32,775 (20,629)	41,576	36,850
FY2020	31,160	36,432 (22,855)	36,326	36,104
Amount of change	(3,333)	3,656 (2,226)	(5,249)	(745)
Percent change	(9.7%)	11.2% (10.8%)	(12.6%)	(2.0%)

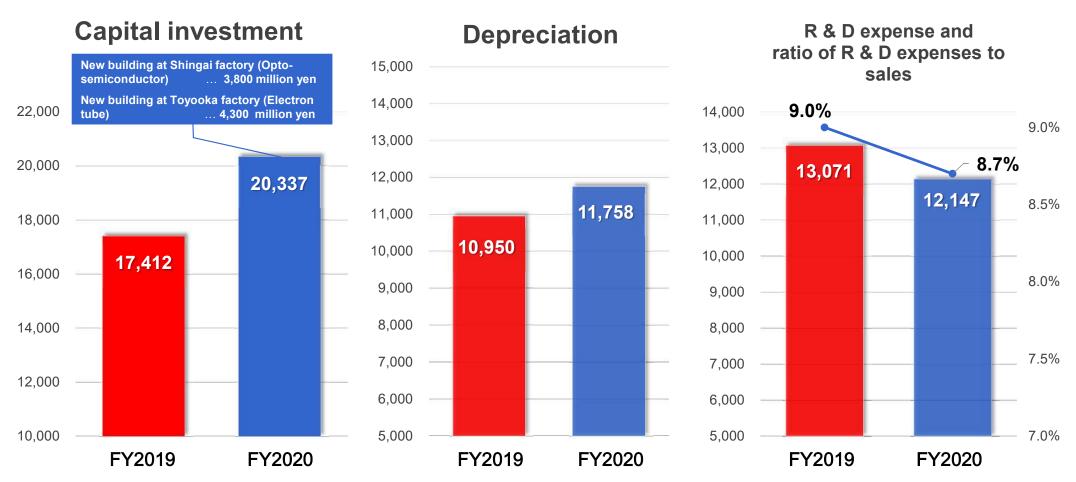
^{*} Excluding other regions

^{*}Numbers are rounded down to the nearest million yen

Capital investment, Depreciation, R & D expense



Unit: Million Yen



*Numbers are rounded down to the nearest million yen



- 1. Summary of consolidated results
- 2. Consolidated medium to short-term plan

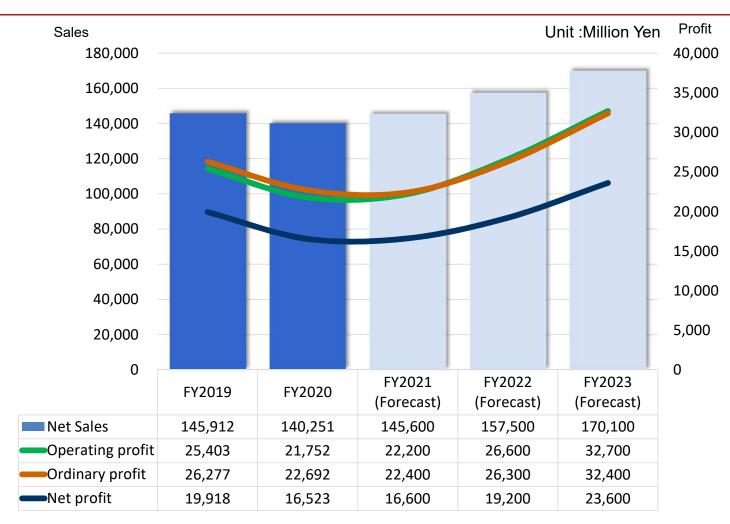
Summary of FY2021 and medium to short-term plan



- 1. Sales to be still affected by COVID-19 in the 1st half of FY2021 and to recover from 2nd half.
 - Net sales projection are 145.6 billion yen (up by 3.8% year-on-year, +5.3 billion yen).
 - Operating profit is planed to be 22.2 billion yen (up by 2.1% year-on-year, +0.4 billion yen).
- 2. Net sales in FY2023 are planed to be 170.1 billion yen. Average annual growth rate over 3 years to be 6.6%. Operating profit is planed to be 32.7 billion yen (Operating profit ratio is 19.2%).
- 3. Capital investment in FY2022 is expected to be over 20 billion yen due to the postponement of some new building construction on each segment.

Sales & profit through FY2023





Average annual growth rate for 3yrs

Medical-bio: +4.4 %

Industrial: +10.4 %

Analytical: +4.2 %

Academic : +17.4 %

Transport: +9.9 %

Consolidated financial forecast



Unit: Million Yen

	FY2020	FY2021	Compared with prev. year				
	result	forecast	Amount	Rate			
Net Sales	140,251	145,600	5,349	3.8 %			
Gross Profit (%)	68,477 (48.8%)	71,500 (49.1%)	3,023	4.4 %			
Operating Profit	21,752	22,200	448	2.1 %			
Ordinary Profit	22,692	22,400	(292)	(1.3 %)			
Net Profit	16,523	16,600	77	0.5 %			
Net Profit per share (yen)	106.73 yen	107.23 yen	0.50 yen	4.7 %			
ROE(%)	8.0 %	-	-	-			
Dividends (yen)	40	40	-	-			

Exchange rate	Actual rates	Assumption rates	
1 US dollar	107.86 yen	100.00 yen	
1 euro	120.77 yen	115.00 yen	
1 RMB	15.37 yen	15.00 yen	

Sales: 1st half

70,800 million yen (-2,100 million yen from last year)

2nd half

74,800 million yen (+7,500 million yen from last year)

Considering the impact of stagnant economic activity in the 1st half, full-scale recovery is expected from the 2nd half

SG & A expenses : +1,900 million yen

(Personnel cost: +660 million yen,

depreciation : +550 million yen)

R & D expenses : + 600 million yen

Impact by currency exchange to Operating Profit ... -2,300 million yen

Currency sensitivity to Operating Profit (by 1 yen change)

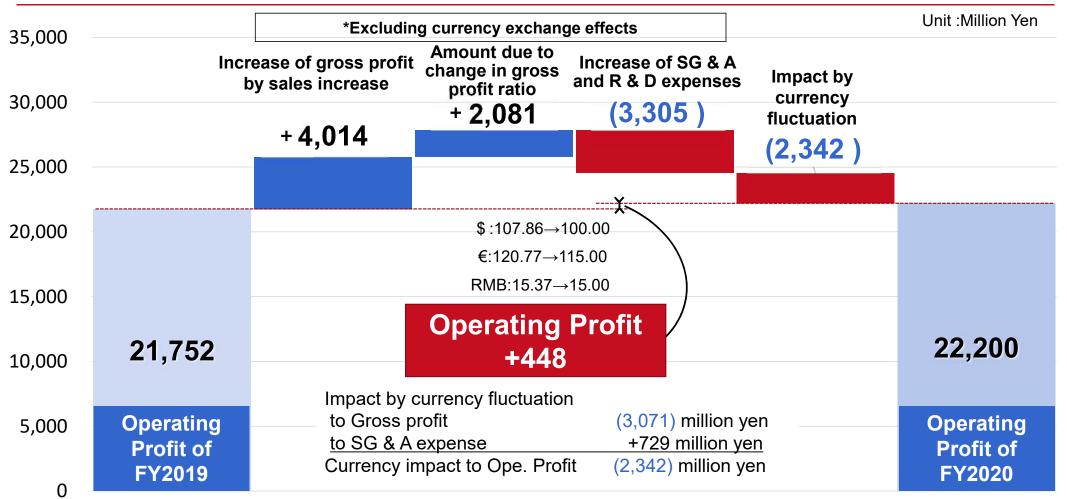
...US dollar : 200 million yen

euro : 100 million yen RMB : 600 million yen

^{*}Numbers are rounded down to the nearest million yen

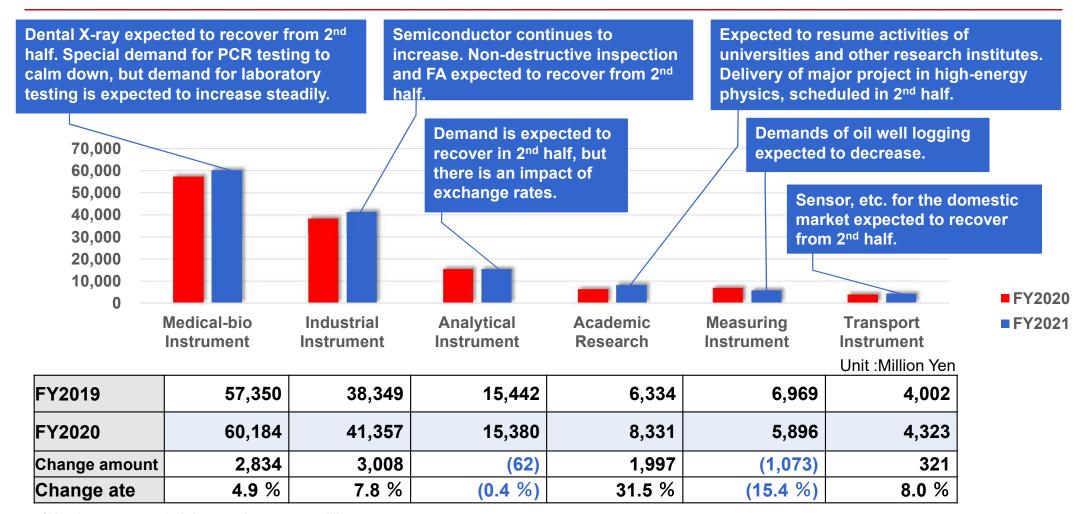
Analysis of impact by currency fluctuation to operating profit (trial calculation) 2020-2021





Sales forecast by industry & application





^{*}Numbers are rounded down to the nearest million yen

Consolidated financial forecast by business segment



Segment	Account item	FY2020	FY2021 (Forecast)	Amount of change / percent change	Summary
Electron tube	Net sales	54,636	56,950	2,314 4.2 %	Medical-bio instrument is expected to increaseLaboratory testing to increase. Academic research is expected to increase.
Electron tube	Operating profit	17,833	18,450	617 3.5 %	Delivery to major project to start. Operating profit SG & A expenses expected to increase (depreciation expected to increase). Profit margin expected to decrease slightly.
Opto-	Net sales	66,666	66,900	234 0.4 %	Medical-bio instrument is expected to increase slightlyExpects recovery of dental from the 2 nd half.
semiconductor	Operating profit	18,391	18,750	359 2.0 %	Industrial instrument is expected to increase slightlyExpects recovery of FA. Operating profit Sales expected to increase slightly. Depreciation expected to increase.
Imaging and	Operating		18,950	2,196 13.1 %	Industrial instrument is expected to increaseExpects recovery of semiconductor failure analysis system.
measurement instruments			3,950	850 27.4 %	Medical-bio instrument is expected to increaseExpects to expand sales area of digital slide scanner for remote pathological diagnosis. Operating profit Increase due to higher sales.

^{*}Including inter-segment sales

^{*}Numbers are rounded down to the nearest million yen

Plans of Capital investment, Depreciation, R & D expense

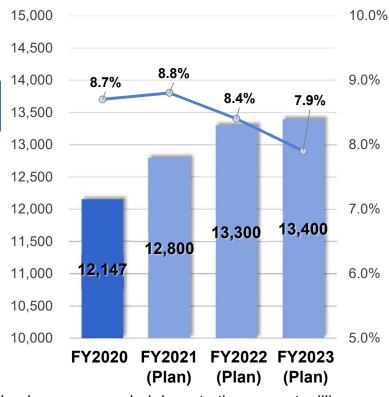


Unit: Million Yen





R & D expense and ratio to sales



*Numbers are rounded down to the nearest million yen



Asia

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HAMAMATSU PHOTONICS (CHINA)Co., Ltd.

Head Office / Shanghai Branch / Shenzhen Branch

BEIJING HAMAMATSU PHOTON TECHNIQUES INC.

Head Office / Langfang Factory

HAMAMATSU PHOTONICS TAIWAN Co., Ltd.

Hsinchu Office

HAMAMATSU PHOTONICS KOREA Co., Ltd.

Head Office / Hwaseong Plant



North America

HAMAMATSU CORPORATION

Main Office / California Office

PHOTONICS MANAGEMENT Corp.

ENERGETIQ TECHNOLOGY, Inc.

Europe

HAMAMATSU PHOTONICS EUROPE GmbH

HAMAMATSU PHOTONICS DEUTSCHLAND GmbH

Main Office / Netherlands Office

/ Poland Office / Danish Office / Israel Office

HAMAMATSU PHOTONICS FRANCE S.A.R.L.

Main Office / Swiss Office / Belgian Office

/ Spanish Office

HAMAMATSU PHOTONICS NORDEN AB

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Hamamatsu Photonics K.K. Fiscal Year ended September 30, 2020 Databook

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Consolidated income statements



Unit:Million Yen

		FY20	019			FY20	020			FY2021(F	orecast)		FY2022(Fo	recast)	FY2023(Fo	orecast)
	1 st half	2 nd half	Year	%	1 st half	2 nd half	Year	%	1 st half	2 nd half	Year	%	Year	%	Year	%
Net sales	74,413	71,499	145,912	100.0	72,975	67,276	140,251	100.0	70,800	74,800	145,600	100.0	157,500	100.0	170,100	100.0
Cost of sales	36,255	35,661	71,916	49.3	36,768	35,006	71,774	51.2	36,400	37,700	74,100	50.9	78,800	50.0	83,700	49.2
Gross profit	38,157	35,839	73,996	50.7	36,207	32,270	68,477	48.8	34,400	37,100	71,500	49.1	78,700	50.0	86,400	50.8
Selling, G & A expenses	17,777	17,743	35,520	24.3	17,704	16,872	34,576	24.7	18,500	18,000	36,500	25.1	38,800	24.6	40,300	23.7
R & D Expense	6,372	6,699	13,071	9.0	6,275	5,872	12,147	8.7	6,300	6,500	12,800	8.8	13,300	8.4	13,400	7.9
Operating profit	14,007	11,396	25,403	17.4	12,228	9,524	21,752	15.5	9,600	12,600	22,200	15.2	26,600	16.9	32,700	19.2
Non-operating income	593	726	1,319	0.9	489	675	1,164	0.8	300	300	600	0.4	500	0.3	500	0.3
Non-operating expense	250	195	445	0.3	121	103	224	0.2	200	200	400	0.3	800	0.5	800	0.5
Ordinary profit	14,350	11,927	26,277	18.0	12,596	10,096	22,692	16.2	9,700	12,700	22,400	15.4	26,300	16.7	32,400	19.0
Extraordinary income	26	133	159	0.1	39	245	284	0.2	200	0	200	0.1	0	0.0	0	0.0
Extraordinary expense	27	190	217	0.1	479	239	718	0.5	0	0	0	0.0	0	0.0	0	0.0
Pre-tax income	14,349	11,871	26,220	18.0	12,155	10,104	22,259	15.9	9,900	12,700	22,600	15.5	26,300	16.7	32,400	19.0
Income taxes etc.	3,471	2,831	6,302	4.3	3,152	2,583	5,735	4.1	2,400	3,600	6,000	4.1	7,100	4.5	8,800	5.2
Net profit	10,877	9,041	19,918	13.7	9,003	7,520	16,523	11.8	7,500	9,100	16,600	11.4	19,200	12.2	23,600	13.9

*Numbers are rounded down to the nearest million yen

Sales by industry & application (consolidated)



		FY2019					FY20	20		FY2021 (Forecast)			
	Application	March September M			March	March September			March September				
		1 st half	2 nd half	Year	%	1 st half	2 nd half	Year	%	1 st half	2 nd half	Year	%
Medica	Il-bio instrument	28,894	28,878	57,771	39.6	30,365	26,985	57,350	40.9	29,953	30,231	60,184	41.3
	Medical instrument : (X-ray CT, PET, Dental imaging)	20,409	20,432	40,841	28.0	22,366	17,800	40,166	28.6	19,678	20,662	40,341	27.7
	Medical inspection : (DNA, Blood analyzer)	7,239	7,181	14,420	9.9	6,771	8,055	14,826	10.6	8,442	8,022	16,464	11.3
	Other medical instrument	1,245	1,265	2,510	1.7	1,227	1,128	2,355	1.7	1,832	1,546	3,378	2.3
Industr	ial instrument	19,754	18,789	38,543	26.4	18,052	20,297	38,349	27.3	19,340	22,017	41,357	28.4
	Semiconductor instrument : (Failure analysis, Stealth dicing)	8,724	9,394	18,118	12.4	8,277	11,100	19,377	13.8	10,103	11,272	21,375	14.7
	Non destructive testing : (Electronic circuit, Food etc.)	6,543	5,852	12,395	8.5	6,121	5,787	11,908	8.5	5,756	6,700	12,457	8.6
	Factory automation instrument : (UV cure, Robotic encoder)	3,363	2,506	5,869	4.0	2,739	2,457	5,196	3.7	2,625	3,074	5,699	3.9
	Other industrial instrument : (Bank note identification)	1,124	1,037	2,161	1.5	913	950	1,863	1.3	854	970	1,825	1.3
,	cal instrument Material, water, environment	8,683	8,077	16,760	11.5	8,349	7,093	15,442	11.0	7,564	7,815	15,380	10.6
Acaden	nic research High energy physics: (Neutrino, gamma ray)	3,955	3,885	7,840	5.4	3,511	2,823	6,334	4.5	4,077	4,254	8,331	5.7
	ring instrument Radiation monitoring, oil well logging	4,388	4,217	8,605	5.9	4,002	2,967	6,969	5.0	2,765	3,131	5,896	4.0
Transp	ort instrument Automotive sensor, Optical link	2,647	2,272	4,919	3.4	2,395	1,607	4,002	2.9	2,034	2,289	4,323	3.0
Informa	ation/ communication Optical communication, printer	864	860	1,724	1.2	883	795	1,678	1.2	703	719	1,422	1.0
Optical	/ photographic instrument Laser scanning microscope	1,463	1,118	2,581	1.8	1,024	804	1,828	1.3	828	844	1,673	1.1
Consur	mer instrument Audio link	562	279	841	0.6	453	472	925	0.7	577	362	939	0.6
Others	/not classified	3,203	3,124	6,328	4.3	3,941	3,433	7,374	5.3	2,959	3,138	6,095	4.2
	Total	74,413	71,499	145,912	100.0	72,975	67,275	140,251	100.0	70,800	74,800	145,600	100.0

^{*}Numbers are rounded down to the nearest million yen

Sales by industry & application of Electron tube segment



			FY20	19			FY20	20		FY2021 (Forecast)					
	Application	March	Se	eptember		March	Se	eptember		March	Se	eptember			
		1 st half	2 nd half	Year	%	1 st half	2 nd half	Year	%	1 st half	2 nd half	Year	%		
Medica	Il-bio instrument	10,445	9,911	20,356	34.2	10,582	9,307	19,889	36.4	10,672	10,481	21,153	37.1		
	Medical instrument : (X-ray CT, PET, Dental imaging)	5,970	5,269	11,239	18.9	5,874	4,482	10,356	19.0	5,049	5,023	10,072	17.7		
	Medical inspection : (DNA, Blood analyzer)	4,386	4,479	8,865	14.9	4,565	4,712	9,277	17.0	5,504	5,349	10,853	19.1		
	Other medical instrument	89	163	252	0.4	142	114	256	0.5	118	107	226	0.4		
Industr	ial instrument	7,770	8,607	16,376	27.5	7,164	8,602	15,766	28.9	8,221	8,880	17,101	30.0		
	Semiconductor instrument : (Failure analysis, Stealth dicing)	3,696	5,171	8,867	14.9	3,477	5,153	8,630	15.8	4,621	5,024	9,645	16.9		
	Non destructive testing : (Electronic circuit, Food etc.)	3,131	2,675	5,806	9.7	2,936	2,859	5,795	10.6	2,910	3,033	5,943	10.4		
	Factory automation instrument : (UV cure, Robotic encoder)	734	536	1,269	2.1	525	394	919	1.7	459	597	1,056	1.9		
	Other industrial instrument : (Bank note identification)	209	225	434	0.7	224	197	421	0.8	231	224	456	0.8		
Analytic	cal instrument Material, water, environment	5,301	4,943	10,244	17.2	5,153	3,968	9,121	16.7	4,463	4,523	8,986	15.8		
Acaden	nic research High energy physics: (Neutrino, gamma ray)	1,315	1,021	2,336	3.9	900	721	1,621	3.0	1,043	1,409	2,452	4.3		
	ring instrument Radiation monitoring, oil well logging	2,399	2,452	4,852	8.1	2,335	1,566	3,901	7.1	1,408	1,534	2,942	5.2		
Transp	ort instrument Automotive sensor, Optical link	3	0	4	0.0	6	5	11	0.0	0	0	0	0.0		
Informa	ation/ communication Optical communication, printer	31	34	65	0.1	23	23	46	0.1	17	9	26	0.0		
Optical	/ photographic instrument Laser scanning microscope	1,154	969	2,122	3.6	934	715	1,649	3.0	780	752	1,532	2.7		
Consur	mer instrument Audio link	4	0	4	0.0	1	0	1	0.0	3	0	3	0.0		
Others	/not classified	1,578	1,656	3,234	5.4	1,528	1,103	2,631	4.8	1,443	1,312	2,755	4.8		
	Total	30,000	29,593	59,593	100.0	28,626	26,010	54,636	100.0	28,050	28,900	56,950	100.0		

^{*}Numbers are rounded down to the nearest million yen

Sales by industry & application of Opto-semiconductor segment



			FY20	19			FY20	20		FY2021 (Forecast)					
	Application	March	Se	eptember		March	Se	eptember		March	Se	eptember			
		1 st half	2 nd half	Year	%	1 st half	2 nd half	Year	%	1 st half	2 nd half	Year	%		
Medica	I-bio instrument	15,720	16,536	32,256	48.9	17,963	15,162	33,125	49.7	16,290	17,286	33,575	50.2		
	Medical instrument : (X-ray CT, PET, Dental imaging)	14,405	15,159	29,564	44.8	16,481	13,317	29,798	44.7	14,627	15,637	30,264	45.2		
	Medical inspection : (DNA, Blood analyzer)	893	994	1,887	2.9	1,058	1,459	2,517	3.8	1,221	1,222	2,443	3.7		
	Other medical instrument	421	383	805	1.2	423	385	808	1.2	441	425	866	1.3		
Industr	ial instrument	7,476	6,195	13,671	20.7	7,156	7,848	15,004	22.5	6,994	8,035	15,028	22.5		
	Semiconductor instrument : (Failure analysis, Stealth dicing)	2,410	1,775	4,184	6.3	2,756	3,427	6,183	9.3	3,004	3,068	6,073	9.1		
	Non destructive testing : (Electronic circuit, Food etc.)	2,042	2,086	4,128	6.3	1,820	1,839	3,659	5.5	1,477	2,083	3,561	5.3		
	Factory automation instrument : (UV cure, Robotic encoder)	2,166	1,563	3,729	5.6	1,957	1,911	3,868	5.8	1,965	2,241	4,207	6.3		
	Other industrial instrument : (Bank note identification)	858	772	1,630	2.5	621	671	1,292	1.9	546	640	1,186	1.8		
Analytic	cal instrument Material, water, environment	3,048	2,677	5,725	8.7	2,960	2,828	5,788	8.7	2,810	2,982	5,794	8.7		
Acaden	nic research High energy physics: (Neutrino, gamma ray)	747	420	1,167	1.8	901	783	1,684	2.5	646	934	1,581	2.4		
Measur	ing instrument Radiation monitoring, oil well logging	1,743	1,371	3,114	4.7	1,423	1,191	2,614	3.9	1,205	1,290	2,495	3.7		
Transp	ort instrument Automotive sensor, Optical link	2,582	2,220	4,801	7.3	2,308	1,511	3,819	5.7	1,953	2,226	4,180	6.2		
Informa	ation/ communication Optical communication, printer	797	812	1,608	2.4	847	731	1,578	2.4	670	702	1,372	2.1		
Optical	/ photographic instrument Laser scanning microscope	105	103	208	0.3	77	76	153	0.2	48	88	137	0.2		
Consur	ner instrument Audio link	558	279	836	1.3	448	466	914	1.4	574	362	936	1.4		
Others/	not classified	1,242	1,375	2,619	4.0	1,136	851	1,987	3.0	910	895	1,802	2.7		
	Total	34,018	31,988	66,006	100.0	35,219	31,447	66,666	100.0	32,100	34,800	66,900	100.0		

^{*}Numbers are rounded down to the nearest million yen

Sales by industry & application of Imaging and measurement instruments segment



			FY20	19			FY20	20		FY2021 (Forecast)				
	Application	March	Se	eptember		March	S	eptember		March	Se	eptember		
		1 st half	2 nd half	Year	%	1 st half	2 nd half	Year	%	1 st half	2 nd half	Year	%	
Medica	I-bio instrument	2,616	2,358	4,974	27.0	1,703	2,448	4,151	24.8	2,934	2,380	5,314	28.0	
	Medical instrument : (X-ray CT, PET, Dental imaging)	0	3	3	0.0	7	0	7	0.0	0	0	0	0.0	
	Medical inspection : (DNA, Blood analyzer)	1,946	1,703	3,650	19.8	1,147	1,873	3,020	18.0	1,708	1,444	3,152	16.6	
	Other medical instrument	670	651	1,321	7.2	548	575	1,123	6.7	1,226	936	2,162	11.4	
Industr	ial instrument	4,092	3,658	7,750	42.1	3,518	3,705	7,223	43.1	3,859	4,758	8,617	45.5	
	Semiconductor instrument : (Failure analysis, Stealth dicing)	2,611	2,421	5,032	27.3	2,054	2,489	4,543	27.1	2,435	3,091	5,527	29.2	
	Non destructive testing : (Electronic circuit, Food etc.)	1,370	1,089	2,459	13.4	1,357	1,090	2,447	14.6	1,366	1,576	2,943	15.5	
	Factory automation instrument : (UV cure, Robotic encoder)	87	125	211	1.1	50	48	98	0.6	1	0	1	0.0	
	Other industrial instrument : (Bank note identification)	25	23	48	0.3	54	78	132	0.8	56	89	146	0.8	
	cal instrument Material, water, environment	214	358	572	3.1	156	176	332	2.0	165	192	358	1.9	
Acaden	nic research High energy physics: (Neutrino, gamma ray)	1,777	2,421	4,197	22.8	1,565	1,276	2,841	17.0	2,257	1,827	4,084	21.6	
	ing instrument Radiation monitoring, oil well logging	118	118	236	1.3	71	122	193	1.2	38	100	139	0.7	
·	ort instrument Automotive sensor, Optical link	14	5	19	0.1	4	3	7	0.0	0	0	0	0.0	
Informa	ation/ communication Optical communication, printer	36	15	51	0.3	12	40	52	0.3	16	8	24	0.1	
Optical	/ photographic instrument Laser scanning microscope	204	47	251	1.4	13	11	24	0.1	0	0	0	0.0	
Consur	ner instrument Audio link	0	1	1	0.0	3	6	9	0.1	0	0	0	0.0	
Others	not classified	224	137	362	2.0	1,065	857	1,922	11.5	231	185	414	2.2	
	Total	9,296	9,116	18,412	100.0	8,110	8,644	16,754	100.0	9,500	9,450	18,950	100.0	

^{*}Numbers are rounded down to the nearest million yen

Major subsidiaries income statements (The U.S., Germany, China)



		Local curre	ncy (thou	sand local currenc	;y)	Yen (millio	on yen)
Company	Account item	FY2019		FY2020		FY2019	FY2020
		Year	%	Year	%	Year	Year
	Net sales	365,939	100.0	377,686	100.0	40,289	40,73
Hamamatsu Corporation	Gross profit	78,942	21.6	74,460	19.7	8,691	8,03
The U.S. sales company	Operating profit	20,139	5.5	17,915	4.7	2,217	1,93
The G.G. suice company	Net profit	14,965	4.1	13,395	3.5	1,647	1,44
				Exchange rate (one	dollar)	110.10	107.8
Hamamatsu Photonics	Net sales	146,013	100.0	155,925	100.0	18,136	18,83
Deutschland GmbH	Gross profit	26,761	18.3	29,316	18.8	3,324	3,54
	Operating profit	11,138	7.6	13,536	8.7	1,383	1,6
German sales company	Net profit	9,656	6.6	10,505	6.7	1,199	1,20
				Exchange rate (on	e euro)	124.21	120.7
HAMAMATSU PHOTONICS	Net sales	1,073,930	100.0	1,294,855	100.0	17,483	19,90
(CHINA)Co., Ltd.	Gross profit	217,074	20.2	262,931	20.3	3,533	4,04
, , , , , , , , , , , , , , , , , , , ,	Operating profit	135,200	12.6	193,241	14.9	2,201	2,9
Chinese sales company	Net profit	106,186	9.9	143,216	11.1	1,728	2,2
	ı	l.		Exchange rate (on	e RMB)	16.28	15.3

^{*}Numbers are rounded down

Consolidated financial forecast by business segment



Unit: Million Yen

		FY2019			FY2020 (Forecast	t)		FY2021 (Forecas	t)	FY2022	FY2023
	1 st half	2 nd half	Year	1 st half	2 nd half	Year	1 st half	2 nd half	Year	(Forecast)	(Forecast)
Electron tube	30,000	29,593	59,593	28,626	26,010	54,636	28,050	28,900	56,950	59,600	63,500
Opto- semiconductor	34,018	31,988	66,006	35,219	31,447	66,666	32,100	34,800	66,900	72,450	77,050
Imaging and measurement instruments	9,296	9,116	18,412	8,110	8,644	16,754	9,500	9,450	18,950	20,200	22,150
Other (incl. laser and excl. internal sales)	1,097	804	1,901	1,019	1,175	2,194	1,150	1,650	2,800	5,250	7,400
Total	74,413	71,499	145,912	72,975	67,276	140,251	70,800	74,800	145,600	157,500	170,100

*Including inter-segment sales

Electron tube's consolidated performance



		FY20	019			FY20	020			FY2 (Fore			FY2022 (Forecast)		FY2023 (Forecast)	
	1 st half	2 nd half	Year	%	1 st half	2 nd half	Year	%	1 st half	2 nd half	Year	%	Year	%	Year	%
Net sales	30,000	29,593	59,593	100.0	28,626	26,010	54,636	100.0	28,050	28,900	56,950	100.0	59,600	100.0	63,500	100.0
Cost of sales	12,811	12,680	25,491	42.8	12,082	11,237	23,319	42.7	12,050	11,950	24,000	42.1	24,150	40.5	25,700	40.5
Gross profit	17,189	16,912	34,101	57.2	16,544	14,772	31,316	57.3	16,000	16,950	32,950	57.9	35,450	59.5	37,800	59.5
Selling, G & A expense	5,152	5,302	10,454	17.5	5,140	4,846	9,986	18.3	5,450	5,450	10,900	19.1	11,650	19.5	12,300	19.4
R & D expense	1,523	1,622	3,145	5.3	1,682	1,815	3,497	6.4	1,750	1,850	3,600	6.3	3,800	6.4	3,900	6.1
Segment profit	10,513	9,988	20,501	34.4	9,721	8,112	17,833	32.6	8,800	9,650	18,450	32.4	20,000	33.6	21,600	34.0

^{*}Including inter-segment sales

Opto-semiconductor's consolidated performance



		FY2	019			FY2	020			FY2 (Fore			FY2022 (Forecast)		FY2023 (Forecast)	
	1 st half	2 nd half	Year	%	1 st half	2 nd half	Year	%	1 st half	2 nd half	Year	%	Year	%	Year	%
Net sales	34,018	31,988	66,006	100.0	35,219	31,447	66,666	100.0	32,100	34,800	66,900	100.0	72,450	100.0	77,050	100.0
Cost of sales	18,108	17,805	35,913	54.4	19,837	18,289	38,126	57.2	18,300	19,650	37,950	56.7	40,350	55.7	41,700	54.1
Gross profit	15,909	14,184	30,093	45.6	15,381	13,158	28,539	42.8	13,800	15,150	28,950	43.3	32,100	44.3	35,350	45.9
Selling, G & A expense	4,064	4,441	8,505	12.9	4,126	3,994	8,120	12.2	3,950	4,000	7,950	11.9	8,600	11.9	9,550	12.4
R & D expense	1,428	1,605	3,033	4.6	1,010	1,016	2,026	3.0	1,150	1,100	2,250	3.4	2,450	3.4	2,300	3.0
Segment profit	10,416	8,138	18,554	28.1	10,244	8,147	18,391	27.6	8,700	10,050	18,750	28.0	21,050	29.1	23,500	30.5

^{*}Including inter-segment sales

Imaging & measurement instrument's consolidated performance



		FY20	019		FY2020					FY2 (Fore			FY2022 (Forecast)		FY2023 (Forecast)	
	1 st half	2 nd half	Year	%	1 st half	2 nd half	Year	%	1 st half	2 nd half	Year	%	Year	%	Year	%
Net sales	9,296	9,116	18,412	100.0	8,110	8,644	16,754	100.0	9,500	9,450	18,950	100.0	20,200	100.0	22,150	100.0
Cost of sales	4,520	4,727	9,247	50.2	4,016	4,485	8,501	50.7	4,800	4,450	9,250	48.8	9,700	48.0	10,500	47.4
Gross profit	4,775	4,389	9,164	49.8	4,093	4,160	8,253	49.3	4,700	5,000	9,700	51.2	10,500	52.0	11,650	52.6
Selling, G & A expense	2,404	2,437	4,841	26.3	2,301	2,504	4,805	28.7	2,700	2,500	5,200	27.4	5,300	26.2	5,300	23.9
R & D expense	354	283	637	3.5	223	124	347	2.1	300	250	550	2.9	600	3.0	700	3.2
Segment profit	2,016	1,669	3,685	20.0	1,569	1,531	3,100	18.5	1,700	2,250	3,950	20.8	4,600	22.8	5,650	25.5

^{*}Including inter-segment sales

Consolidated capital investment, R & D expenses and depreciation



		FY2	015	FY2	016	FY2	017	FY2	018	FY2	019	FY2	020
		Amount	Ratio to sales (%)										
	1 st quarter	3,122	10.9	1,441	4.8	4,441	14.8	4,235	12.4	2,052	5.7	4,659	13.5
	2 nd quarter	7,283	11.7	3,888	6.2	6,901	10.6	7,939	10.9	7,100	9.5	9,792	13.4
Capital investment	3 rd quarter	11,787	13.1	6,513	7.1	11,026	11.5	10,467	9.7	11,097	10.3	12,151	11.8
	Year	14,338	11.9	9,315	7.6	13,572	10.4	14,221	9.9	17,412	11.9	20,337	14.5
	1 st quarter	2,717	9.5	2,748	9.2	2,872	9.6	3,012	8.8	3,095	8.7	2,862	8.3
R&D	2 nd quarter	5,479	8.8	5,862	9.3	5,824	9.0	6,057	8.3	6,372	8.6	6,275	8.6
expenses	3 rd quarter	8,510	9.4	8,825	9.7	8,707	9.1	9,151	8.5	9,416	8.7	9,163	8.9
	Year	11,615	9.6	11,873	9.7	11,776	9.0	12,830	8.9	13,071	9.0	12,147	8.7
	1st quarter	1,633	5.7	2,262	7.6	2,132	7.1	2,184	6.4	2,437	6.8	2,575	7.5
Depre	2 nd quarter	3,585	5.8	4,704	7.5	4,413	6.8	4,566	6.2	5,064	6.8	5,393	7.4
-ciation	3 rd quarter	5,902	6.5	7,184	7.9	6,822	7.1	7,151	6.6	7,878	7.3	8,399	8.1
	Year	8,561	7.1	9,888	8.1	9,441	7.2	10,261	7.1	10,950	7.5	11,758	8.4

^{*}Numbers are rounded down to the nearest million yen



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