

NOTE

Accounting Standards

- Our results and outlook, described in this presentation, have been prepared in accordance with IFRS.

Cautionary Statement with Respect to Forward-Looking Statements

- This presentation and any information provided orally by Advantest representatives contains "forward-looking statements" that are based on Advantest's current expectations, estimates and projections. These statements include, among other things, the discussion of Advantest's business strategy, outlook and expectations as to market and business developments, production and capacity plans. Generally, these forward-looking statements can be identified by the use of forward-looking terminology such as "anticipate," "believe," "estimate," "expect," "intend," "project," "should" and similar expressions. Forward-looking statements are subject to known and unknown risks, uncertainties and other factors that may cause Advantest's actual results, levels of activity, performance or achievements to be materially different from those expressed or implied by such forward-looking statements.

Use of These Materials

- The information contained in this presentation is protected under intellectual property laws, such as copyright law, patent law, trademark law and design law, and other laws and statutes of each country and various treaties. Any use (modification, copying, diversion, etc.) of this information that goes beyond that which is clearly authorized by law and statutes, and is not approved in writing by our company in advance, is forbidden.

2 ADVANTEST.

All Rights Reserved - ADVANTEST CORPORATION



Financial Results for FY2023 1Q

Yasuo Mihashi Senior Executive Officer, CFO & CSO (Chief Financial Officer & Chief Strategy Officer) Executive Vice President, Corporate Strategy Group

All Rights Reserved - ADVANTEST CORPORATION



FY23	1Q	Summary	of	Results

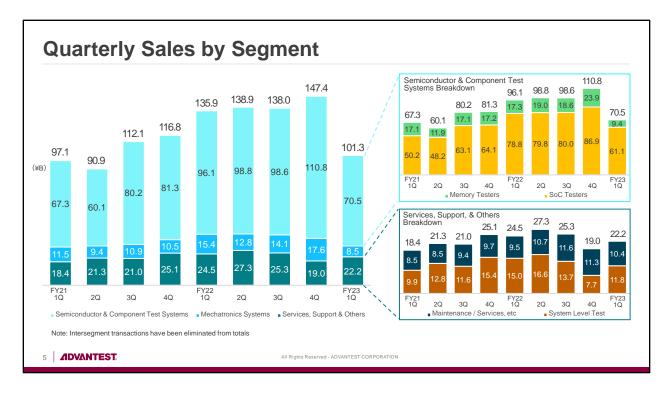
										(¥B)
		FY22				FY23				
		1Q	2Q	3Q	4Q	1Q	QoQ		YoY	
		. ~	-~	04	. ~	. ~	(Δ)	(%)	(Δ)	(%)
Sales		135.9	138.9	138.0	147.4	101.3	-46.1	-31.3%	-34.7	-25.5%
Gross Profit		78.9	79.9	81.6	78.7	51.0	-27.7	-35.3%	-28.0	-35.4%
Gross Margin		58.1%	57.5%	59.1%	53.4%	50.3%	-3.1pts		-7.8pts	
Operating Income		44.8	43.1	41.2	38.6	14.3	-24.3	-63.0%	-30.5	-68.1%
Operating Margin		32.9%	31.1%	29.9%	26.2%	14.1%	-12.1pts		-18.8pts	
Income Before Tax		48.4	46.8	37.7	38.4	13.0	-25.5	-66.3%	-35.5	-73.2%
Net Income		36.5	34.7	28.6	30.6	9.2	-21.4	-69.9%	-27.3	-74.8%
Net Income Margin		26.8%	25.0%	20.8%	20.8%	9.1%	-11.7pts		-17.7pts	
Fuch and Date	1 US\$	¥124	¥135	¥144	¥133	¥135	¥2 Depreciation		¥11 Depreciation	
Exchange Rate	1 Euro	¥134	¥139	¥144	¥142	¥146	¥4 Depreciation		¥12 Depreciation	

4 ADVANTEST.

II Rights Reserved - ADVANTEST CORPORATIO

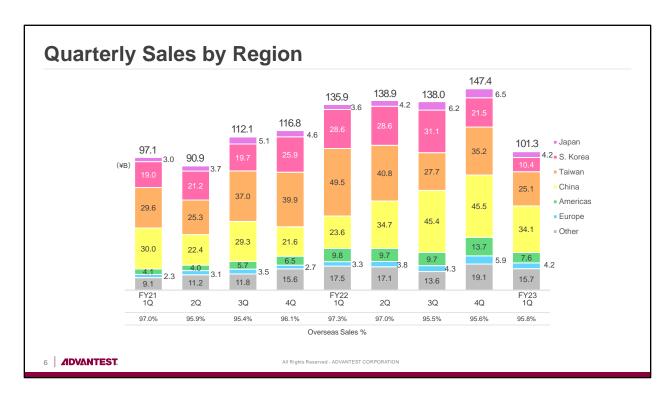
○ FY2023 1Q Summary of Results

- Business environment in the 1st quarter was challenging, as we had predicted in April.
- As recessionary concerns continue to intensify from the previous year, end demand remains sluggish with a slow down in data center investments combined with demand weakness in major consumer applications such as smartphones and PCs.
- In the semiconductor market as a whole, there was a growing sense of deceleration as semiconductor manufacturers continued to adjust inventories and control CapEx in areas such as memory semiconductors for major consumer applications.
- With the semiconductor market weakening, demand also fell in our business, as investment by customers, which continued over the past three years, has caused excess capacity in some of our customers' supply chains.
- As a result, both sales and profits fell significantly in the first quarter YoY as well as QoQ.
- Details of the results will be explained in turn in the following pages.



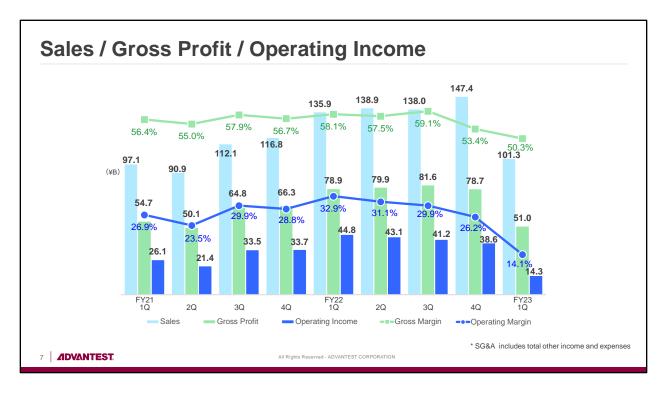
O FY2023 1Q Sales by Segment

- Sales in the 1st quarter fell substantially compared to the previous quarter which recorded historical high quarterly sales.
- Semiconductor & Component Test Systems
 - ¥70.5 billion -36.3% QoQ
 - SoC tester sales were ¥61.1 billion, a decrease of ¥25.7 billion QoQ. Sales for application processors (APU) and chips for high-performance computing decreased.
 - Memory tester sales were ¥9.4 billion, a decrease of ¥14.5 billion QoQ. Sales for both DRAM and non-volatile memory testers decreased amid weak memory semiconductor market.
- Mechatronics Systems
 - ¥8.5 billion -51.3% QoQ
 - Sales of device interface products and test handlers decreased in tandem with lower sales
 of testers. Sales of SEM metrology products also decreased, as product deliveries to
 customers progressed in the previous quarter.
- Services, Support, & Others
 - ¥22.2 billion +16.4% QoQ
 - Sales increased QoQ in the system level test (SLT) business.

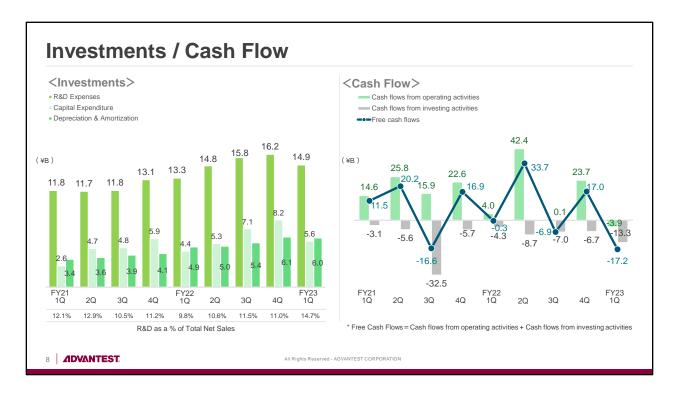


FY2023 1Q Sales by Region

- In the 1st quarter, all regions saw its sales decrease QoQ.
- South Korea Sales of memory testers and related device interfaces fell sharply.
- China, Taiwan Sales decreased in SoC testers and memory testers respectively.



- O FY2023 1Q Sales / Gross Profit / Operating Income
 - Gross profit margin 50.3%
 - In addition to a significant decline in sales, the gross margin fell due to a deteriorating mix, mainly due to a lower sales composition of testers for high-end SoCs.
 - The gross profit margin is expected to improve from the 2nd quarter onwards with the 1st quarter being the bottom.
 - SG&A (including all other income and expenses)
 ¥36.7 billion
 - Operating income ¥14.3 billion
 - Operating margin 14.1%

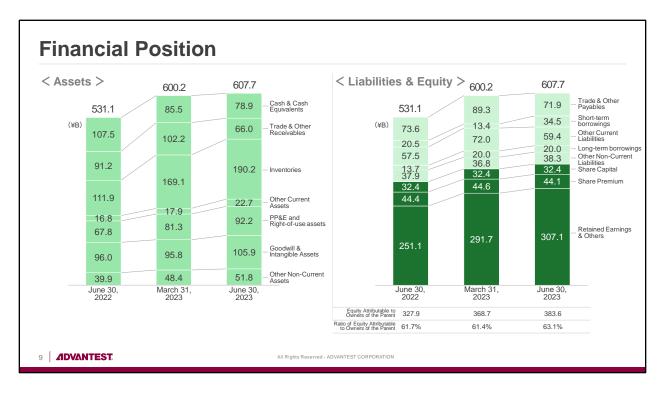


FY2023 1Q R&D/CapEx/D&A

- R&D ¥14.9 billion
- CapEx ¥5.6 billion
- D&A ¥6 billion

FY2023 1Q Cash Flow

- Operating cash flow was negative in the 1st quarter due to an increase in inventories as well as an outflow associated with corporate tax, bonus payments, and other items.
- In addition, free cash flow was a negative ¥ 17.2 billion due to expenditure in investment cash flow such as the acquisition of Shin Puu.



- O Balance Sheet for Period Ending June 30th, 2023
 - Total Assets ¥607.7billion
 - Cash & Cash Equivalents ¥78.9 billion
 - Trade & Other Receivables ¥66 billion
 Trade and other receivables decreased compared to the previous quarter, as progress was made in the collection of receivables in the 1st quarter.
 - Inventories ¥190.2 billion
 Inventories have increased QoQ. This is because of an increase in the arrival of long-lead time components which were procured strategically in anticipation of mid/long-term sales, while there are some requests from customers to push out deliveries of our products against the backdrop of a slow recovery in demand for consumer application. In response to changing market conditions, we will promote measures to improve our ability to keep up with customer requirements and strengthen our inventory management.
 - Goodwill & Intangible Assets ¥105.9 billion
 - Short-term Borrowings ¥34.5 billion
 Additional borrowing was carried out, taking into account the seasonal expenditure in the
 1st quarter.
 - Equity Attributable to Owners of the Parent ¥383.6 billion
 - Ratio of Equity Attributable to Owners of the Parent 63.1%



Business Environment / Semiconductor Tester Market Trends: July 2023 Outlook

Susiness Environment : Highly uncertain conditions persist

 Business environment remains highly uncertain with recessionary concerns due to inflation and rising interest rates as well as risks around geopolitical factors and pronounced exchange rate fluctuations.

Semiconductor Market: Demand remains weak for major consumer electronics applications>

 Production adjustment are expected to continue for the time being due to a slow down in investments in data centers combined with a decline in demand for chips used in major consumer electronic products, although some semiconductors, such as those used in automotive and industrial equipment, are firm.

Semiconductor Tester Market: Contraction expected for the second straight year>

 While test volumes for high-performance semiconductors are increasing, the recovery in tester demand is likely to be milder than originally expected due to excess capacity in customers' supply chains.

	CY22 Actual	CY23 Estimate	New CY23 Estimate vs April Estimate
SoC Tester Market	Approx. \$4.0B	Approx. \$3.2B-3.5B (April estimate: approx. \$3.4B - 3.8B)	Revised estimate downward mainly for smartphone-related applications
Memory Tester Market	Approx. \$1.2B	Approx. \$0.9B-1.1B (April estimate: approx. \$0.9B - 1.1B)	-

11 ADVANTEST.

Rights Reserved - ADVANTEST CORPORATION

Source: Advantest

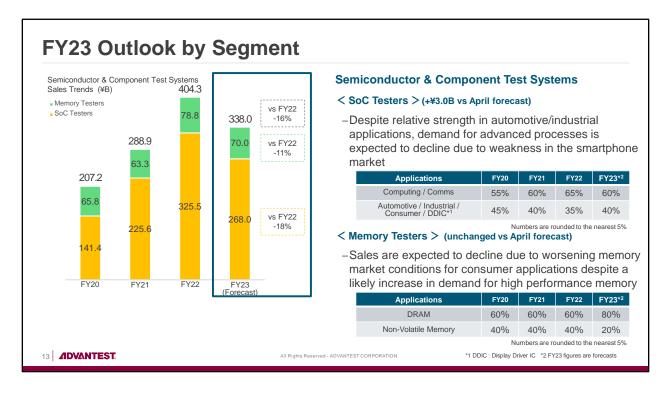
Business Environment / Semiconductor Tester Market Trends

- Business environment remains highly uncertain with recessionary concerns due to inflation and rising interest rates as well as risks around geopolitical factors and pronounced exchange rate fluctuations.
- Although there are potential signs of an upturn in investment for high-end semiconductors, driven by applications such as generative AI, production adjustment for semiconductors for areas such as consumer electronics applications is expected to continue for the time being.
- For the CY2023 SoC tester market, we will revise down our market size estimate to \$3.2 billion-3.5 billion USD. While tester demand for automotive and industrial equipment is expected to be resilient, demand for testers for consumer applications such as smartphones is expected to be affected by continued weakness for the time being.
- For the CY2023 memory tester market, we maintain our original market size estimate of \$0.9 billion - \$1.1 billion USD, as improving tester demand for high-performance memory is being offset by demand decline from worsening memory market conditions for consumer applications.
- While test volumes for high-performance semiconductors are increasing, the recovery in tester demand is likely to be milder than originally expected due to excess capacity in customers' supply chains.

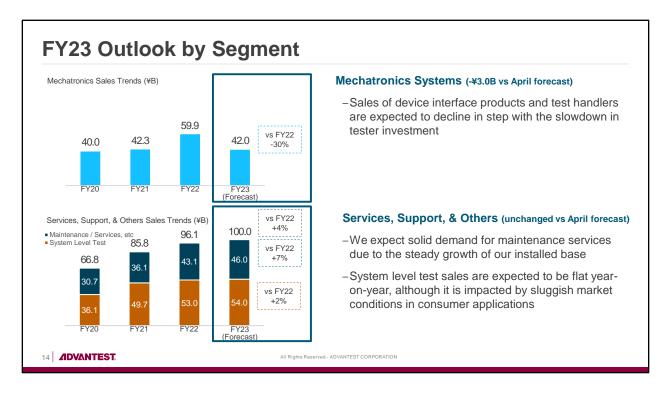
		F\/00				FY23				Change vs	(¥E s. Prior Full-
		FY22								Year Forecast	
		Results	1Q Results	2Q Forecast	1H Forecast	2H Forecast	Full-year Forecast	vs. F` (Δ)	(%)	FY23 Forecast as of April	(Δ)
Sales*1		560.2	101.3	112.7	214.0	266.0	480.0	-80.2	-14.3%	480.0	
Operating Inco	me	167.7	14.3	22.3	36.6	68.4	105.0	-62.7	-37.4%	105.0	
Operating Marg	gin	29.9%	14.1%	19.8%	17.1%	25.7%	21.9%	-8.0pts		21.9%	
Income Before	Tax	171.3	13.0	22.2	35.2	68.3	103.5	-67.8	-39.6%	103.5	
Net Income		130.4	9.2	16.8	26.0	52.0	78.0	-52.4	-40.2%	78.0	
Net Income Ma	rgin	23.3%	9.1%	14.9%	12.1%	19.5%	16.3%	-7.0pts		16.3%	
R&D Expenses		60.1	14.9	16.1	31.0	32.0	63.0	+2.9	+4.8%	63.0	
CapEx		25.0	5.6	5.2	10.8	10.2	21.0	-4.0	-16.0%	21.0	
D&A		21.4	6.0	5.8	11.8	12.2	24.0	+2.6	+12.1%	23.0	+1.0
Exchange	1US\$	¥134	¥135	¥135	¥135	¥135	¥135	¥1 Depre	ciation	¥130	¥5 Depreciatio
Rate*2	1Euro	¥140	¥146	¥150	¥148	¥150	¥149	¥9 Depreciation		¥140	¥9 Depreciation

O FY2023 Forecast

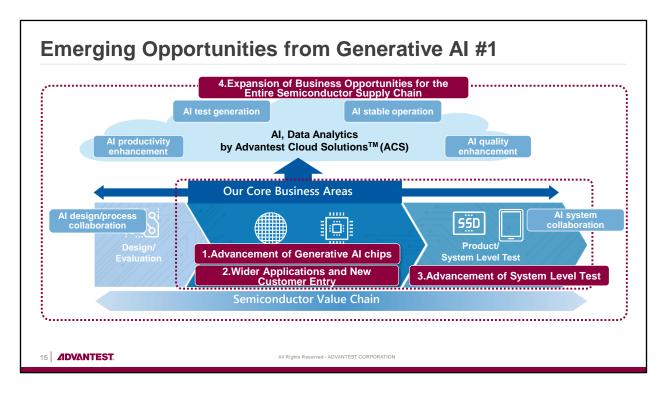
- In light of the 1st quarter results and the outlook going forward, we are maintaining the full-year consolidated forecasts announced in April. However, exchange rate assumptions from the 2nd quarter onward have been revised to 1 USD to 135 JPY and 1 Euro to 150 JPY.
- Our forecast calls for sales of ¥480 billion yen, operating income of ¥105 billion yen, Income Before Tax of ¥103.5 billion yen, Net Income of ¥78 billion yen.
- Production adjustments by customers are expected to continue for the time being, and sales in 1H is expected to decrease HoH. However, we expect sales to gradually shift to an upward trend from 1H.
- We expect full year gross profit margin to be approximately 55%. We forecast a decline from the previous fiscal year primarily due to changes in our product mix.
- Our latest forecast for the impact of exchange rate fluctuations on FY23 operating income
 is plus ¥1.1 billion per 1 yen of JPY depreciation vs USD, and minus ¥0.3 billion per 1 yen
 of JPY depreciation vs the Euro.
- Regarding the tightening of restrictions on the export controls of semiconductor
 production equipment to China by the United States and its allies, the direct impact on
 our FY2023 earnings is currently expected to be limited, but we will continue to closely
 monitor the situation.



- O FY2023 Semiconductor & Component Test Systems Outlook
 - Our full-year FY23 SoC tester sales forecast is ¥268 billion.
 - The forecast has been raised by ¥3 billion from the April forecast, as the assumed exchange rate for the US dollar has been revised towards a weaker yen.
 - Despite relative firmness of demand for automotive and industrial application, we expect sales to decline YoY due to a decrease in demand for advanced process applications against a backdrop of sluggish demand for smartphones.
 - For the memory tester business, we are maintaining our full-year sales forecast at ¥70 billion.
 - In high-performance memory applications such as DDR5 and HBM, customer investment
 in anticipation of long-term demand growth is expected to increase YoY. However, the
 impact of the worsening market conditions for memory semiconductors in the consumer
 applications is substantial. Therefore, sales are expected to decline.



- O FY2023 Mechatronics / Services, Support, & Others Business Outlook
 - We have lowered our full-year FY23 Mechatronics Systems sales forecast by ¥3 billion from our April forecast to ¥42 billion.
 - Sales of device interface products and test handlers are expected to decline in step with the slowdown in tester investment.
 - We are maintaining our full-year FY23 Services, Support, and Other sales forecast at ¥100 billion.
 - We expect solid demand for maintenance services due to the steady growth of our installed base.
 - In our system level test business, we expect sales to be flat YoY, although it is impacted by sluggish market conditions in consumer applications.



Emerging Opportunities from Generative AI #1

- Now that I have explained the business outlook for the current fiscal year, I would like to summarize our business opportunities and our competitive advantage in the mid/longterm, which will be brought about by generative AI, which has been a hot topic over the past six months or so. This slide illustrates the emerging opportunities based on our Grand Design chart.
- The implementation of generative AI technologies, such as Chat GPT, in society has only
 just begun. The trend towards larger scale and high-performance semiconductors including
 high-end SoCs with high computing power and high-end memories such as HBM, will
 continue. Also, the technical hurdle of improving yields is higher, and more thorough
 testing is required. We believe that the increase in production of such semiconductors will
 increase demand for testers over the mid/long-term, driving growth in our core business.
- In addition, demand for more diverse functionality, not only for servers but also on the end application side, is manifesting itself in the growing number of new players entering semiconductor design. The increase in the number of devices being developed will also drive tester demand.
- Heterogenous integration through the adoption of advanced packaging technology is also
 progressing to achieve even higher performance. We have been strengthening our systemlevel test technology. Therefore, we are able to contribute to improving the quality of
 semiconductors in a variety of test processes, including SoC and memory tests, as well as
 system-level tests.
- Furthermore, we believe that in the future, generative AI technology is likely to change the very process of semiconductor development and manufacturing. We hope to provide new solutions through our Advantest Cloud Solutions[™] (ACS) initiatives that utilize various types of data and make the most of them in development and manufacturing.

Emerging Opportunities from Generative AI #2

- Optimized product portfolio for testing high-performance devices for generative AI
 - Extensive portfolio consisting of test platforms for SoC and memory devices necessary for complex, high-performance generative AI devices such as GPUs, CPUs and high-performance memories such as HBM
 - System-level test technology with demand driven by the adoption of advanced packaging such as 2.5D and 3 D
- Solid customer base in AI/HPC market
 - Well-established partnerships with entire supply chains of existing AI/HPC customers
 - Initiating collaboration with various emerging players to promote the adoption of generative AI in society
- Data platform service utilizing generative AI to contribute to Time to Market, Time to Quality, Time to Volume in the semiconductor industry
 - Data and analytics services developed with customers through Advantest Cloud Solutions™

16 ADVANTEST.

All Rights Reserved - ADVANTEST CORPORATIO

- Emerging Opportunities from Generative AI #2
 - I will now summarize our advantages regarding the emerging opportunities mentioned in the previous page.
 - Firstly, we already have a range of test platforms for testing high-performance semiconductors, such as SoC and memory, as well as system-level test solutions.
 - Secondly, we have built up a strong customer base across a supply chain ranging from fabless, foundries and OSATs that are already using these platforms. Emerging players value this strong customer base and have started working with us in anticipation of our solutions.
 - Finally, generative AI also has the potential to significantly change operation processes in
 the semiconductor supply chain. We expect that utilization of various data in the
 development, manufacturing, and testing of semiconductors will have a direct impact on
 competitiveness. We will provide our customers with a data platform around which they
 can link other data with test data, which is an essential part of the semiconductor
 manufacturing business.
 - Furthermore, applications that utilize such data will be developed as Advantest Cloud Solutions[™]. We believe that collaborative development with our customers will be the key, and we are actively investing in this area, including the recruitment of talent with knowledge of the entire semiconductor process.

Summary

- · Highly uncertain business environment persists
 - Downward pressure on global macro continues against a backdrop of inflation, rising interest rates, foreign exchange rate fluctuations, U.S. export controls on China, geopolitical risks, etc.
- · Semiconductor tester market demand is mixed depending on applications
 - Excess tester capacity is still likely to take time to digest, even as test demand for high performance SoC semiconductors is on the rise
 - Tester demand for high performance memory as well as SoC semiconductors for automotive applications is firm
- Staying focused to achieve the full-year forecast while simultaneously executing key measures to prepare for the waves of demand in the mid/long-term
 - The implementation of generative AI technologies in society is just getting started. Continue to invest in order to maximize business opportunities in the semiconductor supply chain
 - Review the CxO structure and business processes to further increase the speed of management decision-making process

17 ADVANTEST.

All Rights Reserved - ADVANTEST CORPORATION

Summary

- Business environment remains highly uncertain.
- The semiconductor tester market is currently undergoing a correction phase, with excess tester capacity due to the slow recovery of the global economy. Digestion of such excess capacity is taking time. Despite an upturn in test demand for high-performance semiconductors, the recovery in tester demand has been slower than anticipated at the beginning of the fiscal year.
- Although demand for testers for automotive and high-performance semiconductors is expected to be firm, it is still not strong enough to compensate for the decline in smart phones and PCs. Therefore, we will maintain our forecast of a decline in sales and profits for FY2023.
- While the business environment is weak, we will be agile in responding to changes in the environment and will strive to meet our full-year guidance. At the same time, we will be implementing key measures to prepare for future waves of demand in the mid/long-term.
- Although the implementation of generative AI in society has only just begun, we expect to see an increase in testing demand for high-performance semiconductors related to generative AI from next year onwards. We will implement measures from a mid/longterm perspective to maximize the uptake of related business opportunities.
- Moreover, to further increase the speed of management decision-making, we aim to build a stronger and more robust management foundation by reviewing the executive structure and improving business processes.

ESG & External Evaluation (April-July 2023)

 Global Customers Rank Advantest THE BEST Test Equipment Supplier in 2023 and the #1 Large Supplier of Chip Making Equipment in Annual Customer Satisfaction Survey
 **Advantest press release: https://www.advantest.com/news/2023/20230522.html





 Advantest, NXP and Arizona State University Collaborate to Launch New Test Engineering Curriculum

*Advantest press release: https://www.advantest.com/news/2023/20230621.html



Checking test circuits developed for a new curriculum

18 ADVANTEST.

All Rights Reserved - ADVANTEST CORPORATION

- Topics on ESG and External Evaluation
 - Finally, we would like to present our ESG and external evaluation topics for the current fiscal year. Enhancement of ESG initiatives is one of the five strategies of our Grand Design.
 - This slide shows the most recent main achievements. We have been awarded the first
 place for the fourth consecutive year in the Customer Satisfaction Survey of
 semiconductor production equipment suppliers by an external evaluation. We are
 honored to be recognized in such high regard by our global customers and grateful to
 know that our partnering efforts are valued. We feel that it is a tribute to the power of our
 committed employees.
 - By enhancement of ESG initiatives, we aim to develop our business while contributing to the development of the semiconductor industry and the sustainable development of society and meeting the expectations of our stakeholders.
 - This concludes my presentation.

