

FY12/19 2nd Quarter Financial Results Briefing Material

RS Technologies Co., Ltd.

August 9, 2019



Code: 3445

Tokyo Stock Exchange First Section

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1. Company Overview



Company Overview

- Holds the top market share worldwide in semiconductor wafer reclamation at 30%
- Conducting a full-scale advance into the prime wafer business through a joint venture with a Chinese stateowned company
- Expanding into peripheral business fields expected to produce synergy through M&A

Company name	RS Technologies Co., Ltd.					
Date of establishment	December 10, 2010					
Corporate principles	"Respect the global environment, earn the trust of people, and constantly strive to create."					
Business	Silicon Wafer Reclaim, Silicon Wafer Oxide Film Coating, Silicon Wafer Sales. Solar Power Station. Purchase and sale of used semiconductor equipments. Sale of chemical materials and semiconductor parts. Technical assistance and education service on semiconductor wafer manufacturing process.					
Head office	1-47-1, Ohi, Shinagawa-ku, Tokyo 140-0014 JAPAN					
Factory	26-2, Yamazaki, Sanbongi Otonashi, Osaki, Miyagi 989-6313 JAPAN					
Capital	JPY 537,300 thousand (As of end June 2019)					
President and CEO	Nagayoshi Ho					
	RSTEC Semiconductor Taiwan Co.,Ltd Capital NT \$300 million Stake 100%					
Consolidated	Beijing GRINM RS Semiconductor Materials Co., Ltd. Registered Capital US \$138 million Investment ratio 45%					
subsidiaries	Union Electronics Solutions Co., Ltd. Capital ¥27 million Stake 100%					
	DG Technologies Co., Ltd. Capital ¥100 million Stake 100%					



History

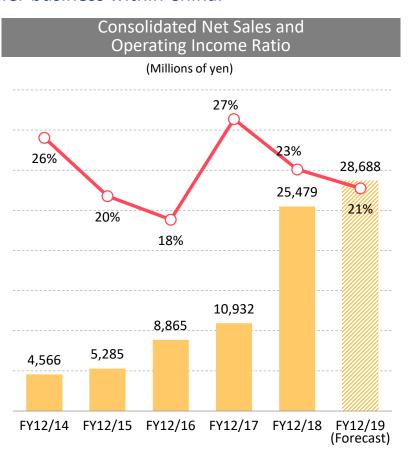
- Launched business in 2010 and holds top share worldwide in the silicon wafer reclamation business
- Converted a major Chinese prime wafer manufacturer into a consolidated subsidiary in 2018 and became a comprehensive manufacturer of wafers

Dec. 2010	RS Technologies established in Shinagawa-ku, Tokyo, with silicon wafer reclamation as its primary business
Jan. 2011	Operations begun at the Sanbongi Factory
Nov. 2011	Sanbongi Factory acquires ISO9001:2008 certification from UKAS
Mar. 2013	Equipment sales begun
Oct. 2013	Solar power business begun at the Sanbongi Factory
Feb. 2014	RSTEC Semiconductor Taiwan established as a subsidiary in Taiwan (currently a consolidated subsidiary)
Mar. 2015	RST listed on the Tokyo Stock Exchange Mothers Market
Jun. 2015	Fab8 completed at Sanbongi Factory, with cutting-edge equipment allowing reclamation of 450mm wafers
Oct. 2015	RST achieves annual growth of 1299.53%, ranks third in the 13th Deloitte Touche Tohmatsu LLC Japan Technology Fast 50
Dec. 2015	Tainan Factory completed for RSTEC Semiconductor Taiwan (currently a consolidated subsidiary)
Sep. 2016	RST moved to the Tokyo Stock Exchange First Section
Dec. 2017	Joint venture agreement concluded with General Research Institute for Nonferrous Metals (GRINM) and Fujian Kuramoto
Jan. 2018	Beijing GRINM RS Semiconductor Materials Co., Ltd. (BGRS) established; Chinese prime wafer manufacturer Youyan Semiconductor Material Company Limited made a consolidated subsidiary
May 2018	Acquired 100% of shares at Union Electronics Solutions Co., Ltd. (distributor for Hitachi Power Semiconductor Device, Ltd.)
Aug. 2018	Established Shandong GRITEK Co., Ltd.
Jun. 2019	Acquired 100% of shares of DG Technologies Co., Ltd.



RS Technologies Today

- A comprehensive wafer manufacturer in the silicon wafer reclamation business and prime wafer manufacturing and sales business.
- Purchasing and selling semiconductor production equipment and expanding the solar power business.
- The Company boasts the world's top share in the silicon wafer reclamation business and is expanding its prime wafer business within China.



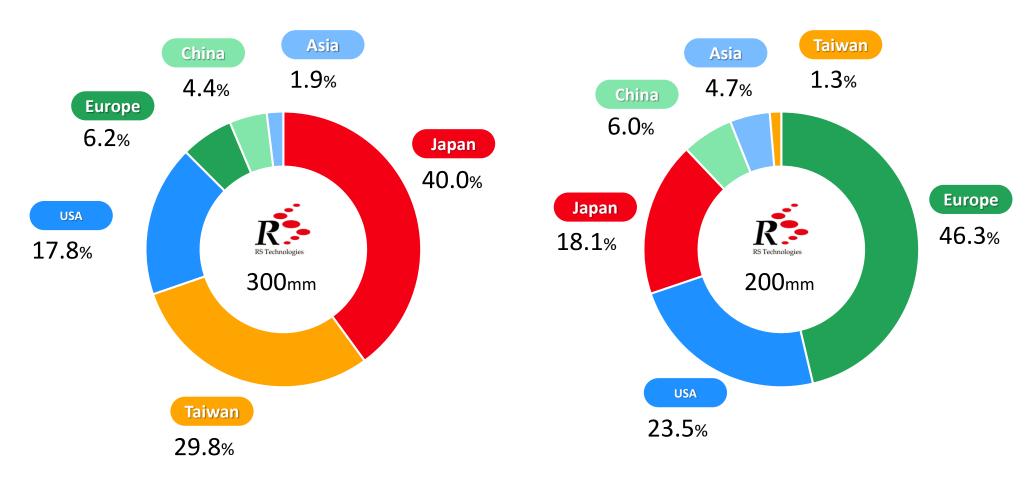
Results by Segment Semiconductor related **Equipment, Materials,** Other etc., Business FY12/19 2Q **Results** Wafer Business Prime wafer manufacturing and sales business



^{*}Figures for FY12/15–FY12/17 are revised figures released on March 5, 2019

Share of Total Shipments from the Silicon Wafer Reclamation Business

- Global expansion targeting mainly at manufacturers in Japan, Taiwan, Europe and the United States.
- Through capital investment in 300mm wafer facilities in Japan and Taiwan, enhance production capacity of reclaimed wafers in 2019.
- Our customers in the 300mm and 200mm markets are the world's major semiconductor manufacturers.





Notes: Based on wafer numbers reported in a study conducted by RST (fiscal 2018)

2. FY12/19 2nd Quarter Results Summary



FY12/19 First Half Efforts

- Converted DG Technologies into a 100% subsidiary to enhance semiconductor related equipment and component, etc., business.
- New prime wafer plant construction now underway in Dezhou, Shandong, China

Conversion of DG Technologies into a Subsidiary



Ground-breaking Ceremony for New Prime Wafer Plant
Shandong GRITEK Co., Ltd.
(Dezhou, Sangdong)

New lines added to existing lines in the new plant to establish an increased production structure.

Company Name	DG Technologies Co., Ltd.
Established	October 26, 1981
Business	Manufacture and sale of consumable parts for semiconductor manufacturing equipment
Location	3-4, Sunayama, Kamisu-shi, Ibaraki
Capital	JPY 100,000 thousand (as of June 30, 2019)
President & CEO	Nagaysoshi Ho



(March 19, 2019)



FY12/19 2nd Quarter Results Summary

- Strong demand continues for both reclaimed wafer business and prime wafer business. Since both plants running at full capacity, increase in both YoY sales and profits secured.
- Sales for reclaimed wafer business did not reach budget due to fall in average sales unit prices, caused by changes in product mix.
- In prime wafer business, improvement in profitability from reduction in cost (improved yield) resulting in profits exceeding budget.

(Millions of Yen)	FY12/18 2Q	FY12/19 2Q Budget	FY12/19 2Q	Vs. Previous Term	YoY	Against Budget	Against Full Fiscal Year	FY12/19 Budget
Net sales	11,516	13,246	12,515	+999	+8.7%	△731	43.6%	28,688
Operating income	2,253	2,678	2,755	+502	+22.3%	+77	46.1%	5,971
Operating income ratio	19.6%	20.2%	22.0%	+2.4pt		+1.8pt		20.8%
Ordinary income	2,347	2,667	2,920	+573	+24.4%	+253	47.5%	6,151
Ordinary income ratio	20.4%	20.1%	23.3%	+2.9pt		+3.2pt		21.4%
Net income attributable to owners of the parent	1,438	1,565	1,723	+285	+19.8%	+158	47.6%	3,621
Net income per share (Yen)	120.73	122.19	134.54	+13.81	+11.4%	+12.35		282.72



Results by Segment and Company

Prime Wafer

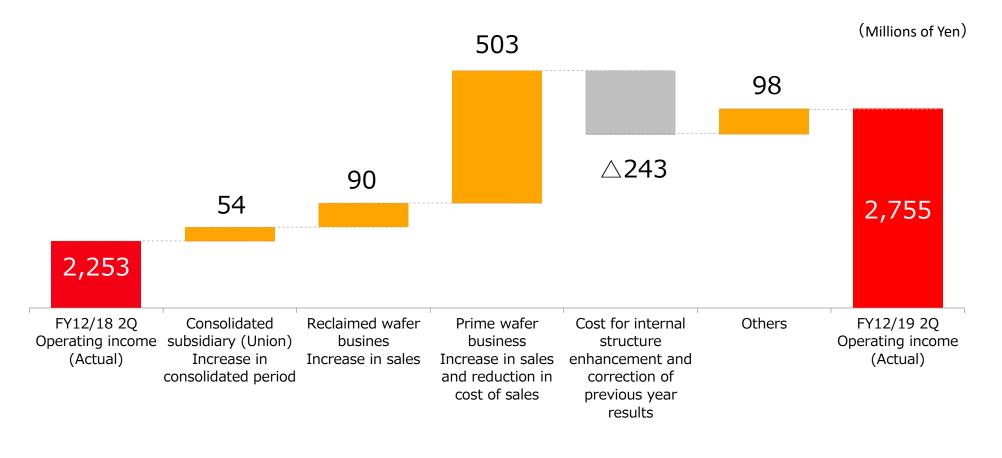
- Increased sales and profits in wafer business with contribution from the effects of increased production from capital investment in first half of FY2019 to Taiwan Plant.
- Substantial increase in profit in Prime wafer production and sales business from cost reduction (improved yield) at Beijing Plant.
- Fall in profit for non-consolidated RS from increased cost due to measures related to correction for previous fiscal year and enhancement of internal control system, such as increase in personnel.

Semiconductor

Wafer Business		Sales Rusiness				Others, Adjustments		Consolidated Total	
1	YoY		YoY	1	YoY	 	YoY		YoY
5,284	+1.5%	5,736	+4.9%	1,662	+67.5%	△167	_	12,515	+8.7%
1,925	+8.9%	1,268	+84.8%	78	△46.2%	△516	_	2,755	+22.3%
36.4	+2.5pt	22.1	+9.5pt	4.7	riangle9.9pt	_ ! _ !	_	22.0	+2.4pt
RS		Taiwan Sub	sidiary	Beijing Sub	sidiary	Other Sub	sidiaries	Consolidate	d Total
	YoY		YoY		YoY	Elimination of intra-company transactions	YoY		YoY
4,459	△2.7%	1,674	+11.4%	5,736	+4.9%	646	_	12,515	+8.7%
911	△12.8%	559	+14.8%	1,342	+95.6%	△57	_	2,755	+22.3%
20.4	△2.4pt	33.4	+1.0pt	23.4	•		lies co., Lta.	22.0	+2.4pt 1
	5,284 1,925 36.4 RS 4,459	YoY 5,284 +1.5% 1,925 +8.9% 36.4 +2.5pt RS YoY 4,459 △2.7% 911 △12.8%	Wafer Business Manufactur Sales Busin YoY 5,284 +1.5% 5,736 1,925 +8.9% 1,268 36.4 +2.5pt 22.1 RS Taiwan Substitute YoY 1,674 911 △12.8% 559	Wafer Business Manufacturing and Sales Business YoY YoY 5,284 +1.5% 5,736 +4.9% 1,925 +8.9% 1,268 +84.8% 36.4 +2.5pt 22.1 +9.5pt RS Taiwan Subsidiary 4,459 △2.7% 1,674 +11.4% 911 △12.8% 559 +14.8%	Wafer Business Manufacturing and Sales Business related Equ Materials, e Business YoY YoY 5,284 +1.5% 5,736 +4.9% 1,662 1,925 +8.9% 1,268 +84.8% 78 36.4 +2.5pt 22.1 +9.5pt 4.7 RS Taiwan Subsidiary Beijing Sub 4,459 △2.7% 1,674 +11.4% 5,736 911 △12.8% 559 +14.8% 1,342	Wafer Business Manufacturing and Sales Business related Equipment, Materials, etc., Business YoY YoY YoY 5,284 +1.5% 5,736 +4.9% 1,662 +67.5% 1,925 +8.9% 1,268 +84.8% 78 △46.2% 36.4 +2.5pt 22.1 +9.5pt 4.7 △9.9pt RS Taiwan Subsidiary Beijing Subsidiary YoY YoY YoY 4,459 △2.7% 1,674 +11.4% 5,736 +4.9% 911 △12.8% 559 +14.8% 1,342 +95.6% 20.4 △2.4pt 33.4 +1.0pt 23.4 +10.8pt	Wafer Business Manufacturing and Sales Business related Equipment, Materials, etc., Business Others, Adjustment 70Y YoY YoY YoY 5,284 +1.5% 5,736 +4.9% 1,662 +67.5% △167 1,925 +8.9% 1,268 +84.8% 78 △46.2% △516 36.4 +2.5pt 22.1 +9.5pt 4.7 △9.9pt − RS Taiwan Subsidiary Beijing Subsidiary Other Sub YoY YoY YoY Elimination of intra-company transactions 4,459 △2.7% 1,674 +11.4% 5,736 +4.9% 646 911 △12.8% 559 +14.8% 1,342 +95.6% △57 20.4 △2.4pt 33.4 +1.0pt 23.4 +10.8pt −	Wafer Business Manufacturing and Sales Business related Equipment, Materials, etc., Business Others, Adjustments YoY YoY YoY YoY 5,284 +1.5% 5,736 +4.9% 1,662 +67.5% △167 — 1,925 +8.9% 1,268 +84.8% 78 △46.2% △516 — 36.4 +2.5pt 22.1 +9.5pt 4.7 △9.9pt — — RS Taiwan Subsidiary Beijing Subsidiary Other Subsidiaries YoY YoY YoY Elimination of intra-company transactions YoY 4,459 △2.7% 1,674 +11.4% 5,736 +4.9% 646 — 911 △12.8% 559 +14.8% 1,342 +95.6% △57 — 20.4 △2.4pt 33.4 +1.0pt 23.4 +10.8pt — —	Wafer Business Manufacturing and Sales Business Felated Equipment, Materials, etc., Business Others, Adjustments Consolidate YoY 12,515 1,925 +8.9% 1,268 +84.8% 78 △46.2% △516 — 2,755 22.755 36.4 +2.5pt 22.1 +9.5pt 4.7 △9.9pt — — 22.0 22.0 22.0 RS Taiwan Subsidiary Beijing Subsidiary Other Subsidiaries Consolidate YoY YoY YoY Filmination of intra-company transactions YoY 12,515 4,459 △2.7% 1,674 +11.4% 5,736 +4.9% 646 — 12,515 911 △12.8% 559 +14.8% 1,342 +95.6% △57 — 2,755

Factors Affecting Operating Income

- Operating income of JPY +502 mil (+22.3%) achieved by absorbing internal structure enhancement costs, etc. (JPY 243 mil.) exceeding budget by JPY +77 mil.
- Reduction in cost (improved yield) in prime wafer business has made a big contribution, in addition to increase in sales of reclaimed wafer business.





Balance Sheet and Cash Flow

- Turning DG Technologies into a subsidiary and application of IFRS 16 (Lease) at overseas subsidiaries have resulted in expansion of Assets and Total liabilities and Net assets.
- Increase in investment cashflow from commencement of investment in new Prime wafer plant, etc.

Consolidated Balance Sheet

(Millions of Yen)	FY12/18	FY12/19 2Q
Assets		
Current assets	26,074	30,480
Cash and case equivalents	14,879	19,359
Notes and account receivable - trade	6,958	6,700
Merchandise and finished goods	1,343	1,496
Non-current assets	10,516	14,311
Property, plant, and equipment	8,963	10,886
Intangible assets	1,099	2,970
Investment and other assets	453	455
Total Assets	36,591	44,792
Liabilities		
Current liabilities	4,979	6,015
Notes and account payable - trade	1,554	1,816
Interest bearing debts	964	1,404
Non-current liabilities	2,474	4,555
Long-term loans payable	1,848	2,817
Total Liabilities	7,453	10,570
Net Assets		
Net assets	29,137	34,222
Total Liabilities and Net Assets	36,591	44,792

Cash Flow

(Millions of Yen)	FY12/18	FY12/19 2Q
Cash flow from operating activities	2,669	3,420
Cash flow from investing activities	△22	△3,483
Cash flow from financing activities	9,550	4,932
Effect of exchange rate changes on cash and cash equivalents	△461	△418
Exchange gain on cash and cash equivalents	11,736	4,451
Cash and cash equivalents at beginning of year	2,916	14,652
Cash and cash equivalents at end of year	14,652	19,104



Financial Outlook for FY12/19

- Original expectation maintained as the forecast for the full fiscal year.
- Production quantity of reclaimed wafers is expected to expand smoothly with capital investment in Japan and Taiwan. In addition, cost reduction (improved yield) for prime wafer business is expected to continue its contribution in the second half also.

	FY12/18 (Jan Dec., 2018)	FY12/19 (Jan. – Dec. 2019)	YoY		
(Millions of Yen)	Full year actual results	Full year forecast	YoY	YoY%	
Net sales	25,478	28,688	+3,210	+12.6%	
Operating income	5,751	5,971	+220	+3.8%	
Operating income ratio	22.6%	20.8%	△1.8pt		
Ordinary income	6,141	6,151	+10	+0.2%	
Ordinary income ratio	24.1%	21.4%	△2.7pt		
Net income attributable to owners of the parent	3,620	3,621	+1	+0.0%	
Net income per share	294.80 yen	282.72 yen	△12.08	△4.1%	
Annual dividend	10 yen	10 yen	_	_	

	RS		Taiwan Subsidiary		Beijing Subsidiary		Other Subsidiari es	Consolidate	Consolidated Total	
(Millions of Yen)	I	YoY		YoY	I I	YoY			YoY	
Net sales	10,101	△4.3%	3,271	+12.6%	11,867	△0.40%	3,449	28,688	+12.6%	
Operating income	2,025	△23.0%	935	△3.8%	2,786	+35.9%	225	5,971	+3.8%	
Operating income ratio	20.0%	△4.9pt	28.6%	△4.9pt	23.5%	+6.3pt	6.5%	20.8%	△1.8pt	

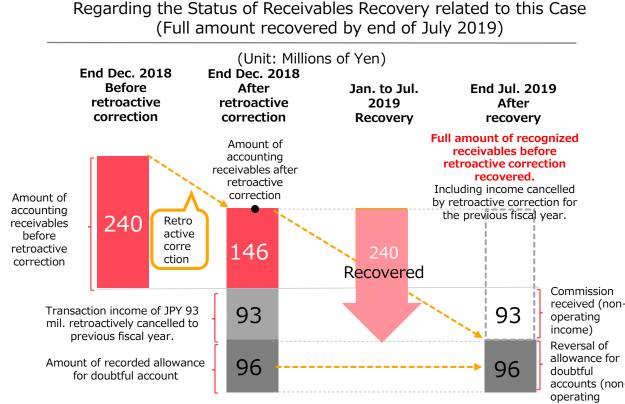


Status of Recovery and Recurrence Prevention Measures Related to the Correction of Financial Results for the Previous Fiscal Year

- Improvement Report submitted to Tokyo Stock Exchange on April 26, 2019. Started implementation of recurrence prevention measures as well as structural upgrading, and now progressing smoothly.
- Decision regarding levying Administrative Monetary Penalty of JPY 6 million received from Financial Services Agency on May 30, 2019. Payment completed.

income)

■ Full amount of receivables related to this case has been recovered by July 31, 2019. Reversal of allowance for doubtful accounts conducted.



	Recurrence Prevention	Measures	Implem entation Status
	Document review items reg trading firm-like transactio		Done
	Enhance contents to be list Ringi forms, etc.	Done	
	Newly establish Internal Au and enhance personnel	udit Office	Done
	Review rules regarding recomanagement	eivables	Done
	Upgrade operations related receivables management	l to	Done
	Implement compliance	For directors	Done
-	education	For employees	Done
	Increase and enhance adm division staffs	inistrative	Done
1-	Enhance reporting contact	Done	
	Establish Recurrence Preve Measure Committee	ention	Done

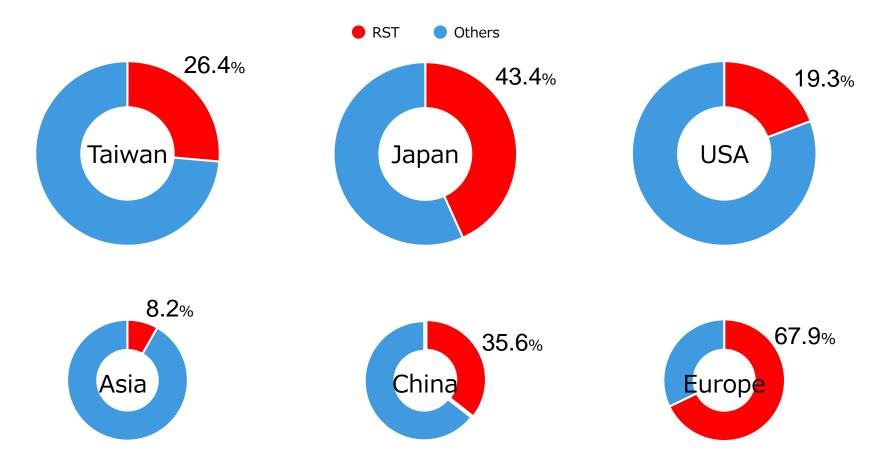


3. The Expanding Reclaimed Wafer Market



RST Share of Reclaimed Wafer by Region: 300mm

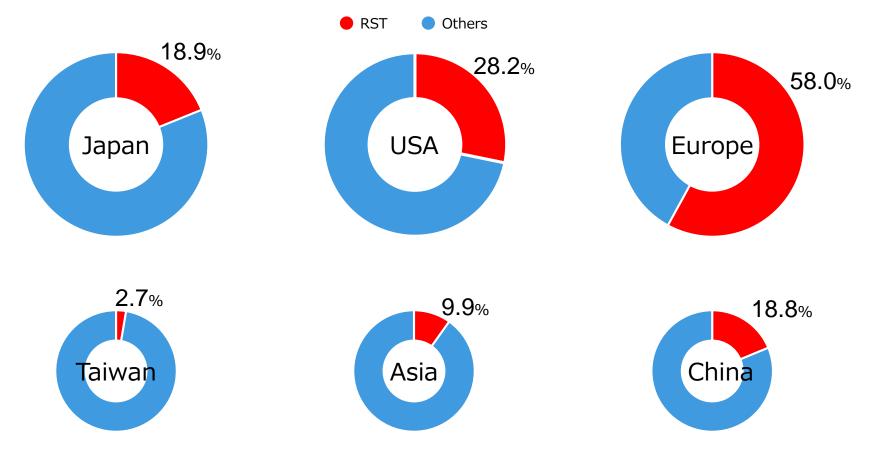
- RST holds the global top share in the reclaimed wafer market.
- Factories are in Miyagi Prefecture (Sanbongi Factory) and Taiwan (Tainan Factory).
- Demand for reclaimed wafers is large and both Sanbongi and Tainan Factories continue to operate at full capacity.





RST Share of Reclaimed Wafer by Region: 200mm

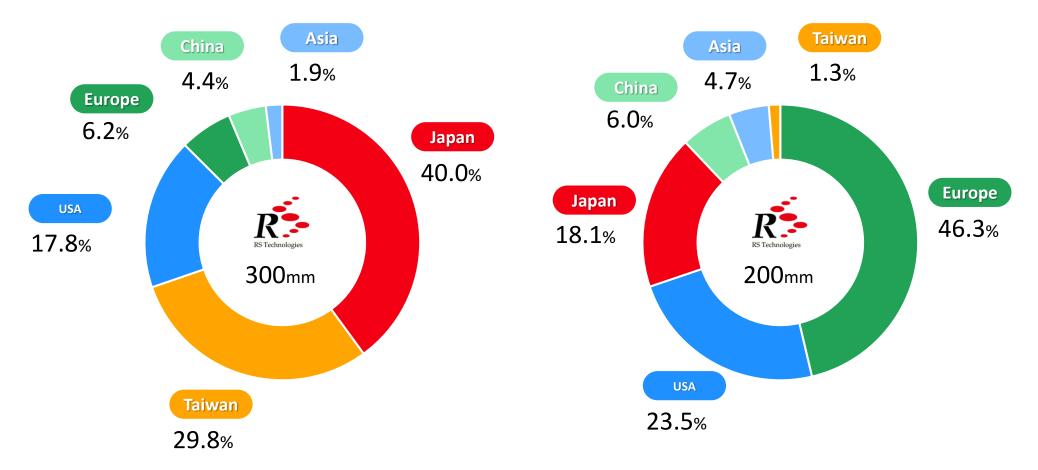
- Factory in Miyagi Prefecture (Sanbongi).
- Customers for 200mm are centered on devices for automobile systems, power semiconductors, etc., that are not affected by business conditions.
- Market share stands slightly less than 60% for European manufacturers, slightly less than 30% in USA, and slightly less than 20% in Japan and China.





Efforts Being Made for Company Growth under Decentralized Customer Base in the Expanding Market

- RST has a decentralized customer base consisting of major global semiconductor manufacturers.
- Construction of new plants are being planned to meet semiconductor demand related to self-driving, and expansion of reclaimed wafer market is expected.
- Based on the decentralized customer base, RST intends to capture the expansion in the reclaimed wafer market by implementing capital investment for reclaimed wafer facilities, both in Japan and Taiwan, to increase production capacity for growth.





Note: Survey by RST (Wafers, FY 2018)

New Demand in Reclaimed Wafer Business: Plans for new 300mm semiconductor plants

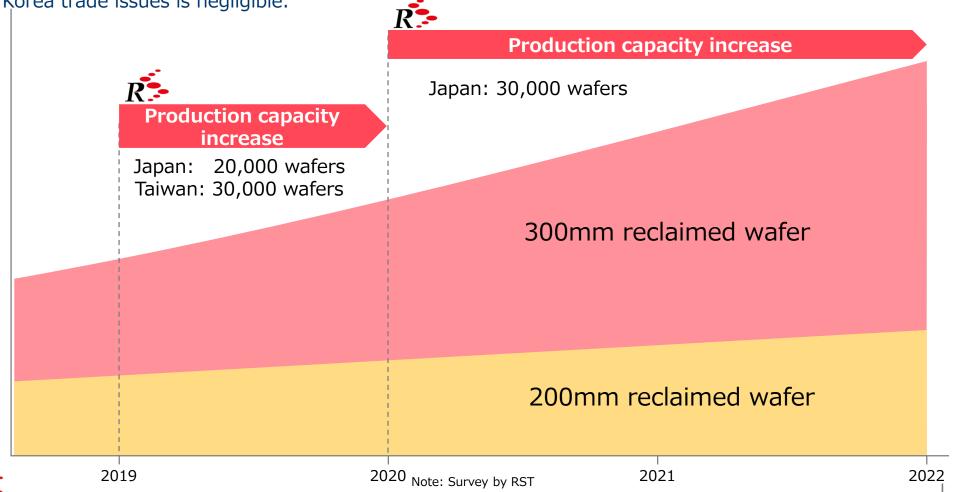
- ■Construction of new semiconductor plants are being planned to meet the robust demand for semiconductors in Europe, USA, Japan, etc., where the share of automobile digitization (EVs, self-driving, in addition to computerization of automobiles) is high.
- Meet new demand by new factories through capital investments in Japan and Taiwan.





Reclaimed Wafer Demand Outlook: Expansion to continue focused on 300mm

- To meet the expanding reclaimed wafer demand, capacity enhancement of 50,000 wafers in Japan and 30,000 in Taiwan to be made by 2022.
- Additional capital investment to meet further increase in future demand to be continuously reviewed (in consideration of the transition in unit sales price).



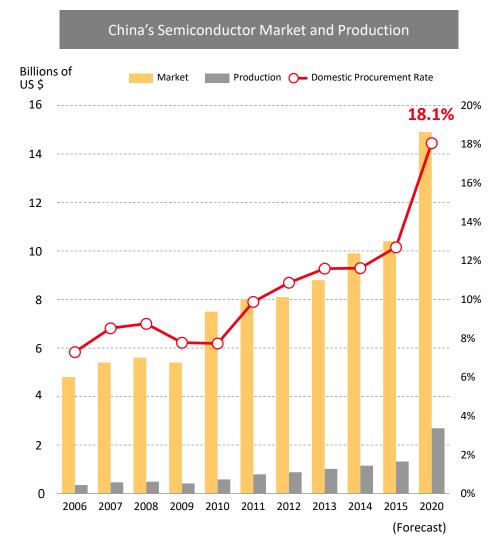


4. China's Rapidly Emerging Prime Wafer Market



China's Prime Wafer Market

■ Rapid expansion of prime wafer market is expected owing to the policy to raise domestic production ratio.



Source: SEMI, August 2017 Issue, Report 1

China's semiconductor consumption has grown to account for 40% of the world's total.

However, its domestic production rate is around 10% of the consumption.

Raising the domestic production rate has become **an important policy issue.**

June 2014

Promotion of a National IC Industry Development Guidelines

May 2015

China Manufacturing 2025

[Excerpt]

China is aiming to improve the self-sufficiency rate for ICs in the nation to 40% in 2020, and boost the rate further to 70% in 2025.



Target is a domestic production rate of **40%** by 2020, and **70%** by 2025

Current circumstances:

Issues concerning quality remain despite rapid enhancement of production capacity.



Regarding our Joint Venture Partner in China (Technical risk reduction)

- Through a joint venture with a Chinese state-owned company, a win-win relationship has been established by reduction of technical risk and compression of investment capital coupled with productivity increase achieved by technical support from RST.
 - Established in 1952, GRINM is the largest state-owned research institute in China.
 - Out of the roughly 13 million companies in China, about 300 thousand are state owned.
 Out of these, about 88 are directly owned by the central national government and GRINM is one of these.
 - GRINM is a research institute through which government, industry and science come together. Nonferrous
 metal policies of the central national government are transmitted through GRINM.
 - GRINM established operating companies that serve as evidence of its successful research. Currently, 34
 of these companies exist.
 - GRITEK, a subsidiary of Beijing GRINM RS Semiconductor Materials Co., Ltd., an RST joint venture, was established as GRINM's first operating company in 2001.





Establish Subsidiaries and Construct Factories through Partnership with the City of Dezhou in Shandong, China

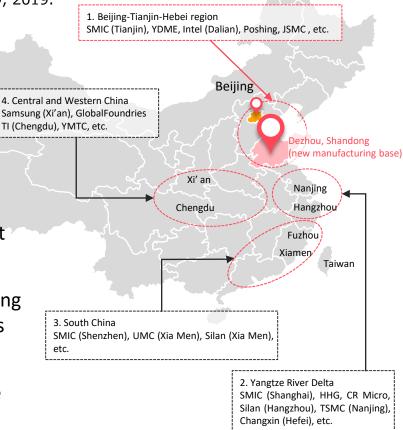
■ Have achieved reduction of fund burden, as well as the risks unique to China, through the establishment of a partnership with the City of Dezhou, Shandong, China, and receiving their investment.

History and current status

- 1. New company (SDGRITEK) established on August 23, 2018.
- 2. Ground-breaking ceremony for new factory in City of Dezhou held on March 19, 2019.
- 3. Buildings currently under construction. Scheduled for completion in 1Q 2020.

Background of Partnership

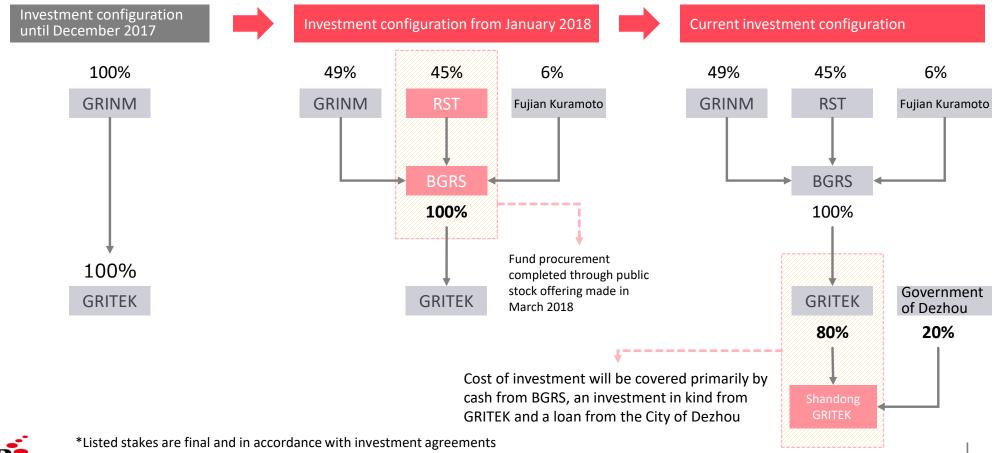
- Invitations for major semiconductor manufacturers to set up factories in the area are gaining momentum. Several semiconductor manufacturers are located nearby, making the area a prime location (see image on the right)
- 2. GRITEK will be able to offer plentiful benefits, including low-cost company housing and reduced utility expenses.
- 3. Science and engineering universities are located nearby, providing favorable circumstances for acquiring superior human resources
- 4. Land expandable to a maximum of about 500,000m² (initially 200,000m²) has been procured, allowing for adequate response to future business progress in China





Investment Strategy: Receive Support from Chinese Government as a Domestic Capital Company

- RST has materially secured 51% holding of GRITEK through joint investment with Fujian Kuramoto (RST: 45% + Fujian Kuramoto: 6%). The right of management has been acquired by RST and has made GRITEK into a consolidated subsidiary.
- On the other hand, 55% holding by Chinese companies (GRINM: 49% + Fujian Kuramoto: 6%) has allowed GRITEK to be certified as a domestic capital company. This has enabled GRITEK to receive various incentives inside China, as well as reducing risks unique to China.
- Entry into China's prime wafer market where growth is expected has been achieved while suppressing the risk, enabling to establish a mechanism to capture the market growth into RST.





5. Impacts of Global Trade Disputes



Impact of Global Trade Disputes

■ Global trade disputes are expected to continue for some time.

US-China	US-China Trade Dispute							
US Tariffs imposed on Chinese goods (Imports from China)	Retaliatory tariffs by China (Imports by China)	US import restriction related	Jun. 4, 2019					
2018 Jul. 1 st Step US\$ 34 bil. (started) → Aug. 2 nd Step US\$ 16 bil. (started) →	US\$ 16 bil. equiv.	Aug. 2018 Ban on government procurement of Chinese communications equipment	Export procedures tightened for 3 items, such as high-purity hydrogen fluoride (etching gas) destined for South Korea.					
Sep. 3 rd Step US\$200 bil. (started)→	US\$ 60 bil. equiv.		Aug.					
2019 May 4 th Step US\$300 bil. (published)		May 2019 Huawei and 68 related companies added to EL*	South Korea excluded from "white country" who are granted with preferential export procedures.					
Impact on other countries		Impact on other countries	Impact on other countries					
Decrease in China's semiconductor production accompanying reduction in export.		Large impact on export market for Chinese communications	Impact on South Korea's semiconductor production and high-tech equipment					
Production in neighboring countries other than China and growth in export to USA.		equipment, etc. Impact on cutting-edge equipment exports to China.	production.					



Impact of Global Trade Dispute on our Company

Impact on our Company is either limited or positive.

Impact on our Company

US-China Trade Dispute



- No change in China to manufacture prime wafers in-house.
- Domestic production of semiconductors being accelerated.
- Expansion in production in neighboring countries other than China.

Japan-South Korea Trade Issue

- South Korean share only consists about 2% of RST's sales.
- Semiconductor order placement to South Korea shifting to manufacturing in Taiwan, etc., where RST enjoys a high share



6. Medium-Term Management Plan Progress Status



Summary of Medium-Term Management Plan (four years)

- Aim for a higher share as a reclaimed wafer manufacturer and begin full-scale expansion of the prime wafer business in China
- Further enhance production of reclaimed wafers, promote the establishment and relocation of prime wafer factories and make headway toward globalized quality and increased production capacity
- Aim for sales of ¥33.8 billion, operating income of ¥8.3 billion and net income of ¥4.7 billion in 2022

	FY12/18	FY12/19 Plans		FY12/20 Plans		FY12 Pla	FY12/22 Plans	
	Results	Previous	New	Previous	New	Previous	New	New
Net sales	25,478	21,000	28,688	25,000	29,000	29,000	30,600	33,800
Operating income	5,751	3,600	5,971	4,800	6,100	6,300	6,600	8,300
Operating income ratio	22.6%	17.1%	20.8%	19.2%	21.0%	21.7%	21.6%	24.6%
Ordinary income	6,141	3,900	6,151	4,700	6,300	6,200	6,600	8,400
Ordinary income ratio	24.1%	18.6%	21.4%	18.8%	21.7%	21.3%	21.6%	24.9%
Net income attributable to owners of the parent	3,620	2,500	3,621	2,900	3,700	3,800	3,900	4,700
Net income per share (Yen)	294.80	195.00	282.72	226.00	288.89	296.00	304.50	366.97

- Projected net income per share is determined based on the number of outstanding shares as of end-FY12/18.
- Medium-term management plan (Previous) are figures published on March 6, 2018. Medium –term management plan (New) are figures published on March 6, 2019.



Capital Investment Plan: Reclaimed Wafer Business

- Expand production capacity for 300mm through capital investment (Add 50,000 in 2019 and further 30,000 after 2020). Full capacity production expected to continue, supported by new construction of semiconductor factories in Europe, USA, Japan, and others.
- Further additional investment to be studied in the future, with eyes on the transition of reclaimed wafer unit prices.

Japan

Total investment: JPY 2.1 bil.

- Expand production capacity for 300mm reclaimed wafers
- 2019: JPY 0.7 bil. (20,000 wafers)
- 2020 to 2021: JPY 1.4 bil. (30,000 wafers)

300mm reclaimed wafer production capacity (wafers, monthly)
2018 2019 2021

220k → 240k → 270k

FY2019	FY2020	FY2021
JPY 0.7 bil.	JPY 0.7 bil.	JPY 0.7 bil.

Taiwan

Total investment: JPY 0.7 bil.

- Expand production capacity for 300mm reclaimed wafers
- 2019: JPY 0.7 bil. (30,000 wafers)

300mm reclaimed wafer production capacity
(wafers, monthly)
2018 2019 2021

150k

120k → 150k →

FY2019	FY2020	FY2021		
JPY 0.7 bil.	Undecided	Undecided		



Capital Investment Plan: Prime Wafer Business

- New prime wafer factory building under construction in City of Dezhou. Completion scheduled by 1Q 2020.
- Infrastructure upgrading and new production equipment installation to be made after completion of buildings. Then, existing factory equipment (Beijing) to be transferred in stages.

China

Total investment: JPY 16.0 bil.

Expand production capacity for 200mm prime wafers

1st Stage plan

200mm prime wafer production capacity (wafers, monthly)

2019

2021

70k

220k

Investment period: 2019 to 2020

Operation to commence in stages from Autumn, 2020.

FY2019	FY2020	FY2021
JPY 16	5.0 bil.	Undecided

New factory Construction and Transfer schedule

Building construction

May 2019 to May 2019

May 2019 to Dec. 2019

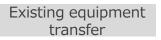
Infrastructure upgrading

New facility

New facility



Sep. 2020



installation

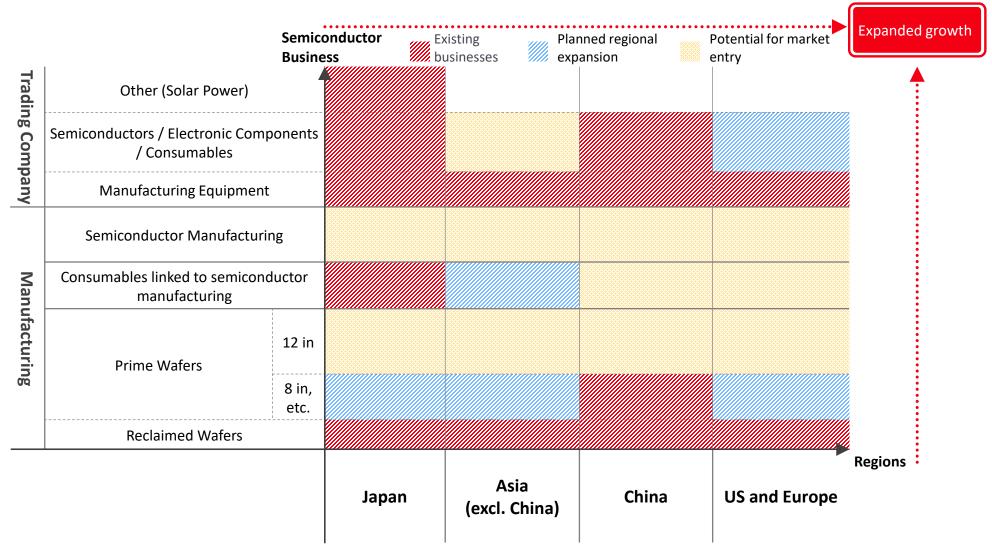
May 2020 to Feb. 2021

Mar. 2020 to Aug. 2020



RS Technologies' Aims

Steady expansion of business domains and regions





Appendix



Strengths of CEO Nagayoshi Ho

- President and CEO Nagayoshi Ho has knowledge gained from over 20 years in Japan, as well as strengths in sales, personal connections, solution proposals, and financing throughout the world through his business network.
- President Ho has assembled a team of professionals from a broad range of fields including advanced technology and finance.



Nagayoshi Ho, center front (taken September 2016 at TSE)

Nagayoshi Ho

b. 1970 in Fujian Province, ChinaCompleted Josai International University Graduate Program

Specialty fields:

M&A, business alliances

(successful M&As with more than 10 companies)

1998 Established Eiki Shoji Co., Ltd.

2010 Established and appointed president of RTS (current position)

Favorite maxim: Where there is a will, there is a way

Supplementary information:

Nagayoshi Ho came to Japan after graduating high school. He has invested in more than 20 companies in Japan and abroad. In addition to semiconductors, he has experience investing in a range of businesses, including investment funds, trade, hotels, IT, and agriculture. He has traveled the world promoting his belief that Japanese manufacturing is the best in the world.



Year-by-Year Results

(Millions of Yen)	FY12/13	FY12/14	FY12/15	FY12/16	FY12/17	FY12/18
Net sales	3,475	4,566	5,285	8,864	10,932	25,478
Gross profit	1,173	1,820	1,852	2,544	4,252	8,366
Selling, general and administrative expenses	471	654	791	958	1,269	2,615
Operating income	703	1,166	1,061	1,585	2,982	5,751
Ordinary income	819	1,247	770	1,444	3,159	6,141
Net income	525	664	143	861	2,113	3,620
Dividend (Yen)	_			10	5	10
Capital investment	338	3,503	4,665	209	95	1,330
Depreciation	87	103	326	682	714	1,298
Research and development expenses	1	6	11	85	183	501
Number of employees (Regular employees)	152	191	265	373	434	1,159



^{*}Financial figures for FY12/15, FY12/16 and FY12/17 are revised figures released on March 5, 2019.

Principal Financial Statements

(Millions of Yen)	FY12/13	FY12/14	FY12/15	FY12/16	FY12/17	FY12/18	
Assets	Assets						
Current Assets	1,811	2,759	3,732	5,348	7,388	26,208	
Cash and cash equivalent	397	1,190	1,842	1,952	3,243	14,879	
Notes and accounts receivable - trade	681	696	795	2,531	2,916	6,958	
Merchandise and finished goods	396	376	361	348	446	1,344	
Non-current assets	508	4,064	5,845	5,333	4,843	10,510	
Property, plant and equipment	461	3,918	5,667	5,152	4,674	8,964	
Intangible assets	19	15	29	23	19	1,100	
Investments and other assets	27	130	148	158	149	447	
Total Assets	2,320	6,823	9,577	10,682	12,231	36,719	
Liabilities	_						
Current liabilities	960	2,292	2,295	2,993	3,370	4,979	
Notes and accounts payable - trade	138	151	186	283	398	1,554	
Interest-bearing debt	136	827	1,216	1,538	1,276	976	
Non-current liabilities	709	2,934	4,798	4,317	3,335	2,602	
Long-term loans payable	615	2,925	4,079	3,620	2,767	1,849	
Total Liabilities	1,670	5,227	7,093	7,310	6,705	7,581	
Net assets							
Net assets	649	1,596	2,483	3,371	5,526	29,138	
Total Liabilities and Net Assets	2,320	6,823	9,577	10,682	12,231	36,719	

^{*}Financial figures for FY12/15, FY12/16 and FY12/17 are revised figures released on March 5, 2019.



^{*}FY12/13 figures are non-consolidated

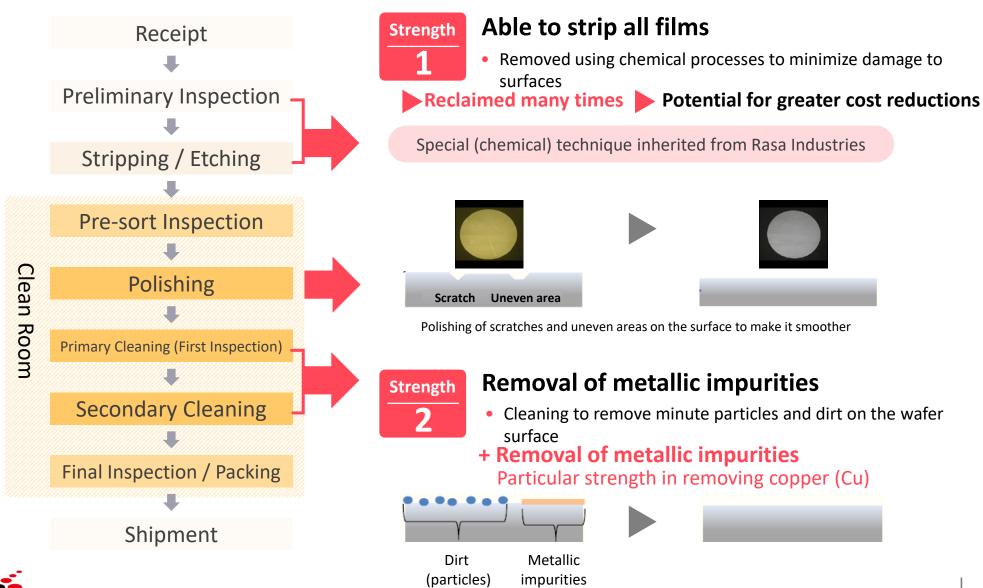
Performance by Segment

(Millions of Yen)	FY12/13	FY12/14	FY12/15	FY12/16	FY12/17	FY12/18	
Net sales							
Wafer Business	3,347	4,414	5,107	7,144	9,487	10,973	
Prime wafer manufacturing and sales business	_	_	_	_	_	11,918	
Purchases and Sales of Semiconductor Equipment Business	_	_	_	1,654	1,393	2,918	
Other, adjustments	127	151	178	66	52	(331)	
Segment profit	Segment profit						
Wafer Business	916	1,444	1,377	1,765	3,396	4,012	
Prime wafer manufacturing and sales business	_	_	_	_	_	2,049	
Purchases and Sales of Semiconductor Equipment Business	_	_	_	230	130	366	
Other, adjustments	(214)	(278)	(316)	(409)	(543)	(675)	
Segment assets							
Wafer Business	1,337	5,040	6,987	5,657	8,120	9,150	
Prime wafer manufacturing and sales business	_	_	_	_	_	21,313	
Purchases and Sales of Semiconductor Equipment Business	_	_	_	1,137	1,305	1,939	
Other, adjustments	982	1,783	2,589	3,887	2,805	4,315	



^{*}Financial figures for FY12/15, FY12/16 and FY12/17 are revised figures released on March 5, 2019.

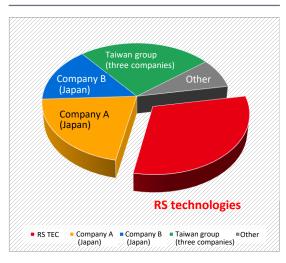
Reclaimed Wafer Business (1)



Reclaimed Wafer Business (2)

Increasing Share of the Reclaimed Market

RS Technologies' Share of the 300mm Reclaimed Market



A new plant in Taiwan and expansion of the Sanbongi Factory increased production capacity, increasing our market share to 30%.

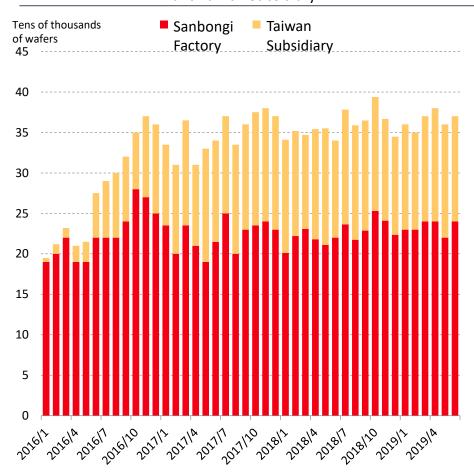
We will further enhance production capacity at both plants by using empty factories at Sanbongi, and utilizing business partnerships, M&A, and other means.

Aim to expand share to 40%

	FY12/15 1H	FY12/15 2H	FY12/16	FY12/17	FY12/18
RST Group Production Capacity	180,000 wafers	240,000 wafers	280,000 wafers	300,000 wafers	340,000 wafers
RST Group Market Share	19%	24%	29%	30%	31%

Shipments from the Sanbongi Factory and Taiwan Subsidiary (2016-2018)

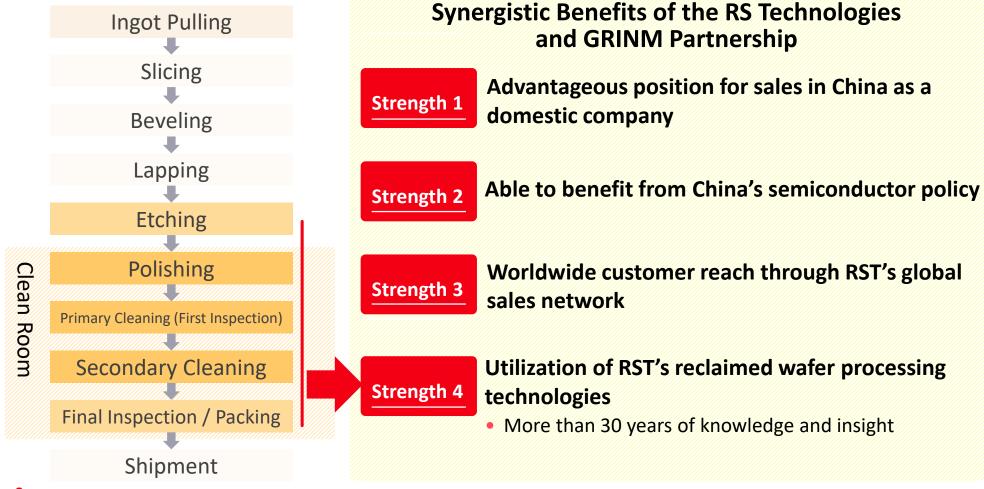
Shipments of 300mm Wafers from the Sanbongi Factory and Taiwan Subsidiary





Entry into the Prime Wafer Business

• RS Technologies has established a joint venture with Chinese state-owned company General Research Institute for Nonferrous Metals (GRINM), and is developing its semiconductor business as a domestic Chinese company.





Forward-looking Statements

The content of these materials was prepared based on generally recognized economic potential and certain assumptions considered reasonable by the Company, but is subject to revision without notice due to changes in the various business environments affecting management.

Materials and information provided for this announcement contain forward-looking statements. This information is based on assumptions pertaining to the current outlook, forecasts and risks, and contains uncertainties that could result in different outcomes.

Even in the case of new information, future events, or other relevant matters, the Company is under no obligation to update or revise the forward-looking statements contained in this material.

