

# 3Q FY18/12 Results Briefing

**November 13, 2018** 

Sodick Co., Ltd.

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# I. 3Q FY18/12 Financial Results Summary

- \*Since the previous fiscal period (FY2017) was a transitional period for a change in the accounting period, we did not prepare consolidated financial statements for the third quarter of the fiscal year ended December 31, 2017.
- \*For reference comparison, we state figures of all consolidated companies, which are adjusted by unifying the previous accounting period (January 1 to September 30, 2017) that corresponds to this third quarter (January 1 to September 30, 2018).
- \*The figures for reference comparison have not been audited by an audit corporation.

### **Financial Results Highlights**



✓ In China after the Chinese New Year holiday, EDMs sold well and on the whole net sales progressed according to plan at the beginning of the period.

✓ Gross profit margin improved due to a substantial increase in the number of EDMs sold and greater productivity.

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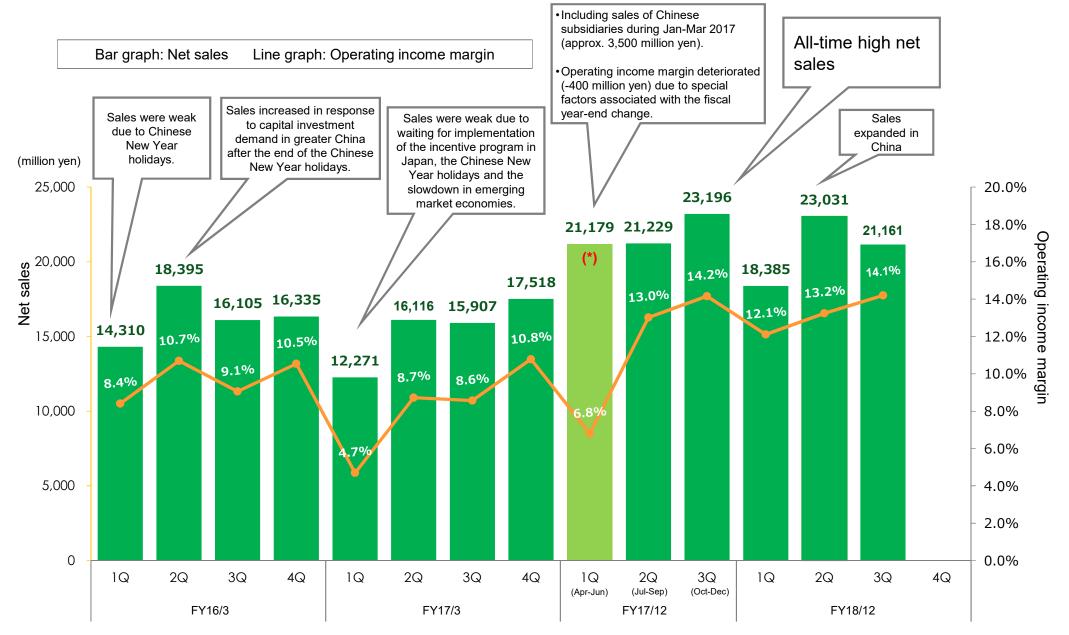
	3			5 III 1110 III 1111		9	(million yer		
		January - Se 2017	•	3Q FY18/12		Chang	jes	FY18/12 Full-year	
		Actual	Income margin	Actual	Income margin	Amount	Ratio	Projection (Revised on Nov. 13)	
Net sales		55,543	_	62,577	_	7,034	12.7%	80,000	
Gross profit		19,767	35.6%	23,368	37.3%	3,600	18.2%	_	
Operating inco	me	5,738	10.3%	8,253	13.2%	2,515	43.8%	10,000	
Ordinary income		5,785	10.4%	8,088	12.9%	2,303	39.8%	10,000	
Net income		3,941	7.1%	5,632	9.0%	1,691	42.9%	6,800	
			Ratio to sales		Ratio to sales	·		8,000	
Facility investmen	t	2,846	5.1%	5,552	8.9%				
Depreciation		2,281	4.1%	2,283	3.6%			3,300	
R&D expenses		3,108	5.6%	3,017	4.8%			4,200	
	USD	111.89 yen		109.60 yen				111.00 yer	
Average	EUR	124.58 yen		130.87 yen				131.00 yer	
exchange rate	CNY	16.47 yen		16.84 yen				16.70 yer	
over the period	THB	3.27 yen		3.41 yen				3.40 yer	
*Reference E		at end of Septemb	per 2018 US		R: 132.14yen	CNY: 16.50yen	THB: 3.50yen		
information <sub>E</sub>	Exchange rate	at end of Septemb	per 2017 US	D: 112.73yen EU	R: 132.85yen	CNY: 16.96yen	THB: 3.38yen		

<sup>\*</sup> These figures, which have not been audited, are provided only for the purpose of comparison.

## Ratio of Operating Income to Net Sales (Quarterly)



✓ Both sales and operating income maintained high levels thanks to steady sales of EDM and greater productivity.



#### **Financial Results by Segment**



(million yen)

		January – September, 2017 (*)	3Q FY18/12	Char	iges	
			Actual	Actual	(Amount)	(Ratio)
	•	Machine tool segment	39,751	45,117	5,366	13.5%
Se	•	Industrial machinery segment	9,269	7,736	-1,533	-16.5%
Net sales	•	Food processing machinery segment	2,461	4,934	2,473	100.5%
2	•	Other segments	4,061	4,789	727	17.9%
			55,543	62,577	7,034	12.7%
	•	Machine tool segment	5,912	8,033	2,121	35.9%
nt e	•	Industrial machinery segment	1,199	604	-594	-49.6%
Segment income	•	Food processing machinery segment	-115	618	733	-
U)	•	Other segments	685	931	246	36.0%
			7,681	10,189	2,507	32.6%
Þ	Adj	ustment amounts	-1,943	-1,935	7	-0.4%
To	ota	l operating income	5,738	8,253	2,515	43.8%

#### **Machine tool segment**

- ✓ In China, sales are currently slowing down owing largely to the decrease in demand for smartphone-related industries and postponing capital investment decisions because of trade conflicts with the U.S., despite the strong sales mainly in sophisticated and automated manufacturing, auto-related industries where electric car production is increasing, and booming semiconductor-related industries.
- ✓ In North America, demand in the automotive industry was strong.
- ✓ In Japan, demand mainly in the automotive and semiconductor-related industries was strong.
- ✓ In Europe, there was demand in automotive and aerospacerelated industries in Germany, Italy, and the U.K.
- ✓ In other countries and regions in Asia, demand remained solid in the automotive and semiconductor-related industries in Thailand, India, Malaysia, etc.

#### **Industrial machinery segment**

- ✓ In Japan, demand remained solid for components such as connectors and sensors for auto-related industries.
- ✓ In North America, demand remained stable mainly in the medical equipment-related industries.
- ✓ In China and Asia, demand was slowing down.

#### **Food processing machinery segment**

- ✓ Demand for high-quality noodle making equipment continued to be strong, including large orders in China.
- ✓ Demand has been increasing in Japan and Asia for sterilepacked cooked rice production systems.

#### Other segments

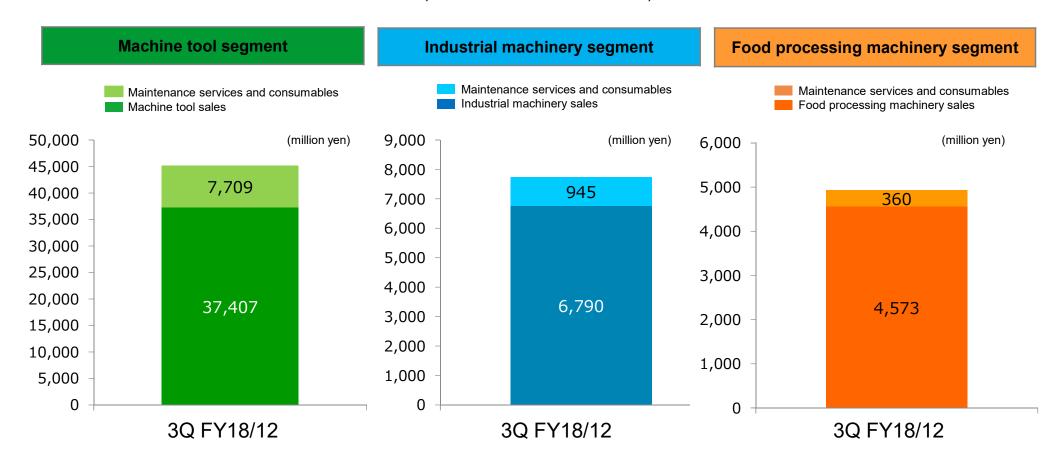
- ✓ In precision mold and precision molding operations, we are making efforts to develop high precision molding utilizing molds created by metal 3D printers and specialized injection molding machines.
- ✓ Sale of ceramics mainly to the semiconductor production equipment industries remained strong.

<sup>\*</sup> These figures, which have not been audited, are provided only for the purpose of comparison.

#### **Net Sales by Segment**



✓ Maintenance services and consumables, a stable source of cash, account for about 16% of total net sales.



Machine tool segment	3Q FY18/12		
Machine tool sales	37,407	82.9%	
Maintenance services and consumables	7,709	17.1%	
Total	45,117	100%	

Industrial machinery segment	3Q FY1	8/12
Injection molding machine sales	6,790	87.8%
Maintenance services and consumables	945	12.2%
Total	7,736	100%

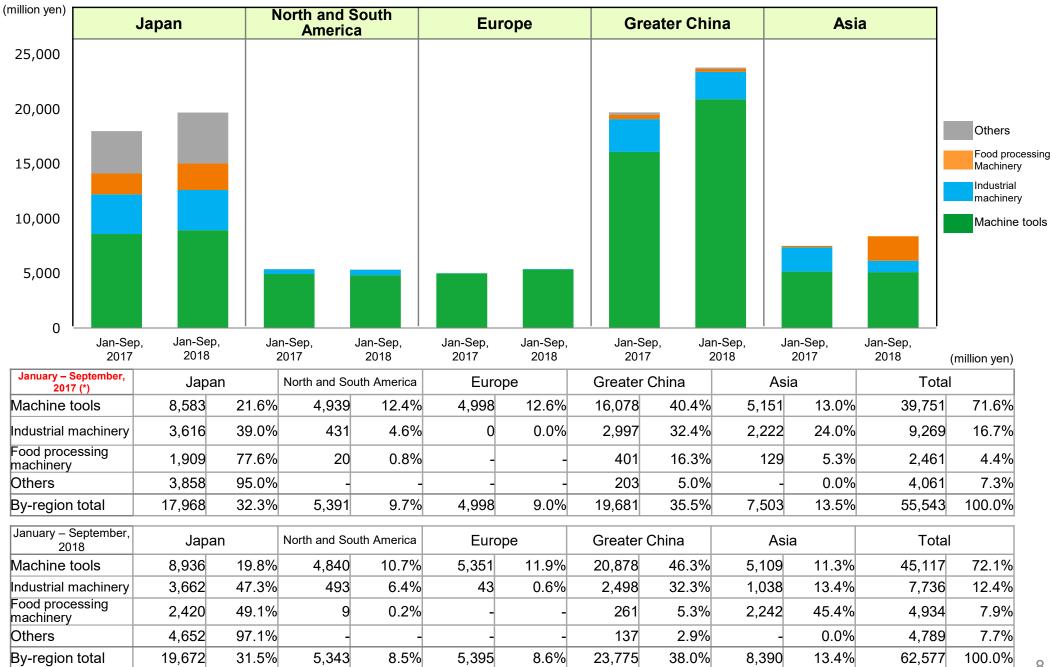
Food processing machinery segment	3Q F	Y18/12
Food processing machinery sales	4,573	92.7%
Maintenance services and consumables	360	7.3%
Total	4,934	100%

<sup>\*</sup>Since we did not prepare consolidated financial statements for the third quarter of the fiscal year ended December 31, 2017 because of the change in the accounting period, figures above are only for the third quarter of the fiscal year ending December 31, 2018.

## **Overseas Sales Ratio by Segment**



✓ Sodick has been developing its business globally with an overseas sales ratio of 68.5%.

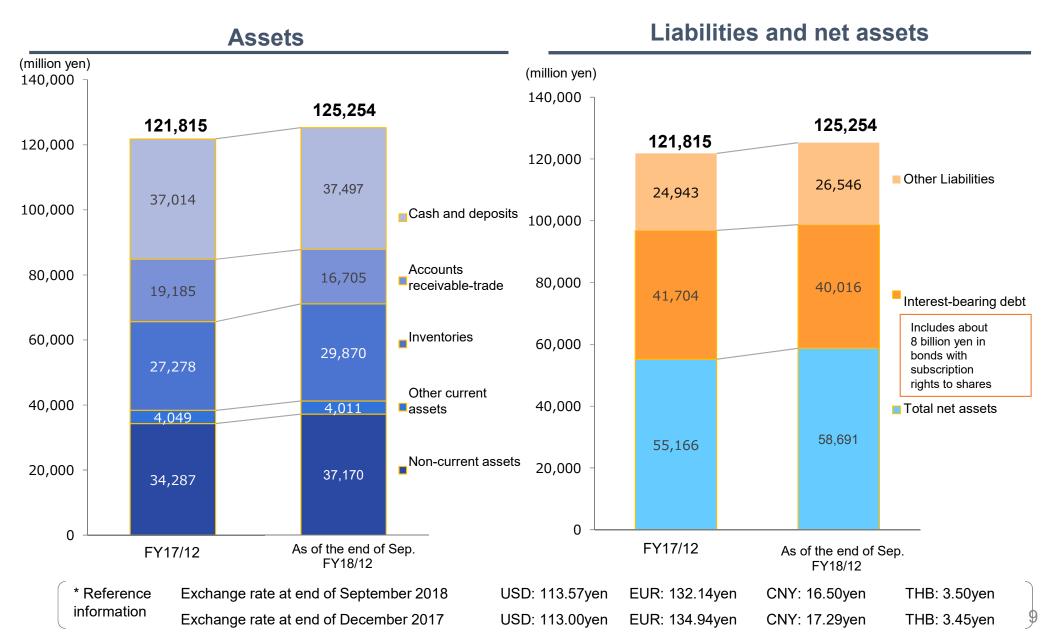


<sup>\*</sup> These figures, which have not been audited, are provided only for the purpose of comparison.

#### **Balance Sheet**



- ✓ Non-current assets substantially increased owing to active capital investment at home and abroad (e.g. the Kaga multifactory, Distribution Centers, Head Office Building No. 2 (R&D building), the new building for sales office in US, land for sales office in UK, the second factory of the Thailand Plant, and the Miyazaki Factory (for precision molds and precision molding operations))
- ✓ Net-interest-bearing debt amounted to 2,519 million yen (a decrease of 2,170 million yen compared to the end of the preceding fiscal year)



## 3Q FY18/12 Topics (New Products) (1)



# 1

#### Development of the high-speed building metal 3D printer LPM325

To respond to diversified needs for metal 3D printer products, we have released and added to our lineup the metal 3D printer LPM325 that achieves both 3D molding through melting and solidifying metal powder and machining the reference surface of the molded object. The LPM325 has drastically improved the molding speed because the chamber has become compact by limiting functions to metal molding and machining of the reference surface for secondary machining so as to facilitate controlling nitrogen concentration and dealing with fumes.

In addition, taking the reference surface for secondary machining (cutting) that reduces cutting time, the product is suitable for component machining that requires high-speed molding.

\* For details of the product, please refer to the press release below. URL: https://www.sodick.co.jp/pdf/180719063747\_LPM325\_release\_sodick.pdf



▲LPM325



# Development of the nano-machining center AZ275nano that embodies elemental technologies to provide the highest level of nano-fabrication

The AZ275nano is a linear-motor driven nano-machining center that achieves stable and high-speed, ultra-fine and ultra-high-precision machining in the nano field, supporting the next generation nano technology.

The AZ275nano realizes expansion of the machining area and high efficiency by improving the XY axis stroke, and meeting a wide range of machining needs from rough to finished machining. The AZ275 responds to requests for advancing downsizing and multifunctionality of smartphones and tablets as well as requests from medical equipment and biotechnology fields, where high-level miniaturization and precision are required.

\* For details of the product, please refer to the press release below.

URL: https://www.sodick.co.jp/pdf/180927193607 NewsRelease AZ275nano 20180927.pdf



▲AZ275nano

# 3Q FY18/12 Topics (New Products) (2)



# 3

# Development of the large wire electric discharge machining AL800P that is linear motor driven with high-speed and ultra-high precision

As an model in our lineup of wire electric discharge machining AL series that are well received in the precision molds and high-precision component machining fields, we have developed the large AL800P with exceptionally high precision and high speed. Along with the popularization of electric vehicles and the expansion of their applied models, the AL800P can meet the needs for sophistication and longer length of precision molds of motor cores and separators of lithium-ion batteries that are integral parts of electric vehicles.

Equipped with a large open space cover, an independent operating panel, and automated three-sided up-and-down machining tank as standard, the AL800P can contribute to productivity improvement through setup efficiency, including setups for large machining.





# Development of the die-sinking electric discharge machining AL30L that is linear motor driven with high speed and ultra-high precision

As a new model of the flagship AP series for linear motor driven die-sinking electric discharge machining, we have upgraded the performance in the ultrahigh precision field and developed the AP30L that realizes high speed and higherflicient machining.

Embedded with the concept of comprehensive thermal control, the AP30L minimizes thermal changes in the installation environment and heat generation during high-speed driving.

Realizing the highest quality metal molding at the lowest cost, the AP30L can demonstrate an unprecedented performance to lead future manufacturing.

\* For details of the product, please refer to the press release below.

URL: https://www.sodick.co.jp/pdf/180925213807 NewsRelease AP30L 20180925.pdf



▲AP30L

<sup>\*</sup> For details of the product, please refer to the press release below.

URL: https://www.sodick.co.jp/pdf/180928190908\_NewsRelease\_AL800P\_20180928.pdf

## **3Q FY18/12 Topics (Exhibition Information)**



# 1

#### Participation in IMTS 2018 (International Manufacturing Technology Show)

We participated in IMTS2018, one of the three world machine tool fairs, held in Chicago, U.S. Amid the expansion of the exhibition scale of 3D printers, we exhibited the precision metal 3D printer OPM350L and demonstrated machining and presentation, attracting many inquiries. Our booth was brisk with many visitors.

Outline of IMTS2018

Place: McCormick Place (Chicago, IL,USA)

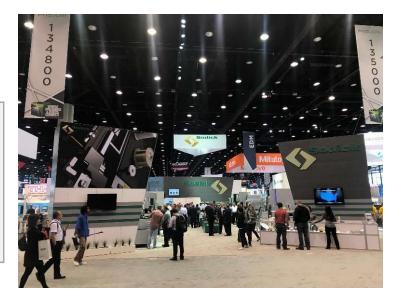
Time: Sep. 10 to 15, 2018 (six days)

Exhibited models: ultra-speed precision hole-boring machining K6HL, precision metal 3D

printer OPM350L, die-sinking electric discharge machining AG60L+Robot and AD series wire electric discharge machining ALN series and VL series,

high-speed milling center UH650L, etc.

Number of visitors: 129,415 (115,612 in 2016)



## 2

#### Participation in JIMTOF 2018 (29th Japan International Machine Tool Fair)

We participated in JIMTOF2018, one of the world three biggest machine tool fairs, held in Tokyo Big Sight.

In addition to introducing our new high-speed building metal 3D printer LPM325 and linear motor driven high-speed and ultra precision die-sinking electric discharge machining AP30L, we introduced other new technologies and new products that contribute to users' productivity improvements.

Outline of JIMTOF 2018 Place: Tokyo Big Sight

Time: Nov. 1 to 6, 2018 (six days)

Exhibited models: precision building metal 3D printer LPM325, wire electric discharge

machining AL800P, die-sinking electric discharge machining AP30L,

nano-machining AZ227nano, electric injection molding machine MS50, etc.

Number of visitors: 153,103 (147,602 in 2016)



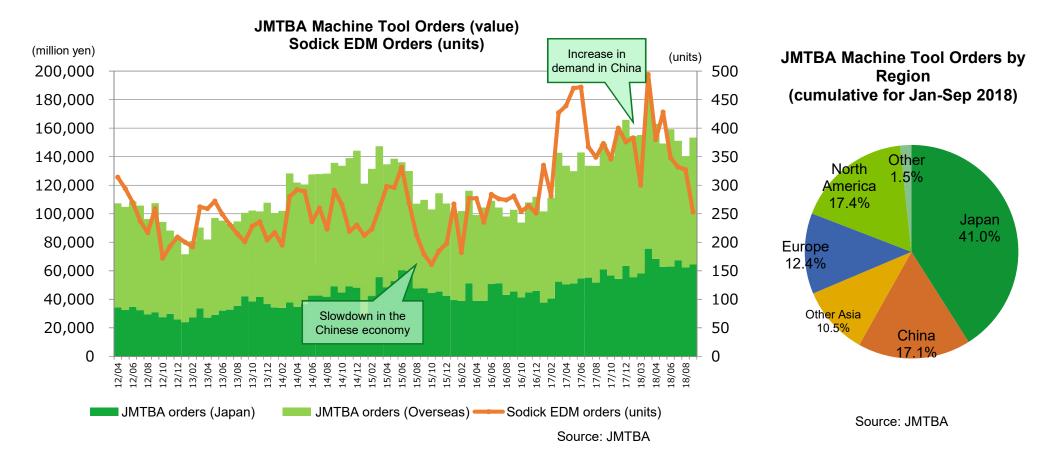


# II. FY18/12 Financial Results Projections

#### **Market Environment**



- ✓ Japan: We expect sustained solid demand due to the government subsidy programs and replacement demand due to facility aging.
- ✓ North America: Bolstered by the corporate tax cuts, capital investment demand is expected to increase mainly in the automotive, aerospace and medical equipment industries.
- ✓ Europe: There is uncertainty about the future because of the Brexit issue and slower growth in demand in countries such as Turkey, but demand in the automotive and aerospace industries is expected to remain firm.
- ✓ China: Although there is a continuous demand for high-precision machinery mainly in auto-related industries owing to an increasing need for automation against a background of sophisticated manufacturing and soaring personnel expenses, declining demand for capital investment due to trade conflicts between China and the U.S. raised uncertainties.
- ✓ Asia: Demand mainly from auto-related industries is expected to continue picking up in Thailand and Malaysia, etc.



#### **FY18/12 Financial Results Projections**



✓ Although business results for the first three quarters have exceeded the initial plan, both sales and income for the forth quarter are expected to be sluggish because orders are currently slowing down owing mainly to trade conflicts between China and the U.S.

(million yen)

		FY18/12	Full-year	FY18/12 Full-year		Changes	
		Initial forecast (announced on Feb.14)	Income margin	Revised forecast	Income margin	Amount	Percentage change
Net sales		81,000	-	80,000	-	-1,000	-1.2%
Operating income		8,000	9.9%	10,000	12.5%	2,000	25.0%
Ordinary income		8,000	9.9%	10,000	12.5%	2,000	25.0%
Net income		5,700	7.0%	6,800	8.5%	1,100	19.3%
	USD	112.00 yen		111.00 yen			
Average exchange	EUR	132.00 yen		131.00 yen			
rate over the period	CNY	16.90 yen		16.70 yen			
	THB	3.40 yen		3.40 yen			

<sup>\*</sup> We have revised the full-year business performance forecast for the fiscal year ending December 31, 2018.

## FY18/12 Financial Results Projections by Segment



✓ Although the business results for the first three quarters have exceeded the initial plan, both sales and income for the forth quarter are expected to be sluggish because orders are currently slowing down due mainly to the trade conflict between China and the U.S.

(m	illion	yen)

	3Q FY	′18/12	FY18/12	Progress toward		
	Actual	Income margin	Revised forecast Income margin		projection	
Net sales	62,577	-	80,000	-	78.2%	
Operating income	8,253	13.2%	10,000	12.5%	82.5%	
Ordinary income	8,088	12.9%	10,000	12.5%	80.9%	
Net income	5,632	9.0%	6,800	8.5%	82.8%	

FY17/12 (Group-wide: Jan-Dec) Actual
78,714
9,161
9,384
6,664

		Ratio to sales		
Facility investment	5,552	8.9%	8,000	10.0%
Depreciation	2,283	3.6%	3,300	4.1%
R&D expenses	3,017	4.8%	4,200	5.3%

Average exchange rate over the period	USD	109.60 yen	111.00 yen	
	EUR	130.87 yen	131.00 yen	
	CNY	16.84 yen	16.70 yen	
	ТНВ	3.41 yen	3.40 yen	

112.16 yen 126.70 yen 16.62 yen 3.31 yen

<sup>\*</sup> We have revised the full-year business performance forecast for the fiscal year ending December 31, 2018.

#### FY18/12 Financial Results Projections by Segment



(million yen)

		<b>5</b> (40)	0 = 11		
	FY18/12 Full-year		Increase/De	crease	
		Initial forecast (announced on Feb. 14)	Revised forecast	Amount	Rate
	<ul><li>Machine tool segment</li></ul>	57,000	56,000	-1,000	-1.8%
es	<ul><li>Industrial machinery segment</li></ul>	12,100	10,500	-1,600	-13.2%
Net sales	<ul><li>Food processing machinery segment</li></ul>	5,900	6,800	900	15.3%
Z	<ul><li>Other segments</li></ul>	6,000	6,700	700	11.7%
		81,000	80,000	-1,000	-1.2%
	<ul><li>Machine tool segment</li></ul>	8,370	10,000	1,630	19.5%
Segment income	<ul><li>Industrial machinery segment</li></ul>	1,000	700	-300	-30.0%
nent ir	<ul><li>Food processing machinery segment</li></ul>	550	800	250	45.5%
Segm	<ul><li>Other segments</li></ul>	680	1,000	320	47.1%
		10,600	12,500	1,900	17.9%
Adjustment amounts		-2,600	-2,500	100	-
Total operating income		8,000	10,000	2,000	25.0%

<sup>\*</sup> With the revision of the business forecast, we partially revised the full-year business forecast by segment.

#### **Machine tool segment**

- ✓ In Japan, steady earnings are expected thanks to demand for replacing aging equipment.
- ✓ While capital investment demand in North America showed a sign of slowing down, such demand in Europe is expected to remain solid.
- ✓ In Greater China, orders and sales are projected to slow down owing to postponing capital investment decisions because of the trade conflict between China and the U.S.
- ✓ Demand from auto-related industries in Thailand and Malaysia, etc. is forecasted to remain steady.

#### **Industrial machinery segment**

- ✓ In Japan, demand is expected to remain firm, mainly in the automotive, electronic component and semiconductor industries.
- ✓ In both Greater China and Asia, there is a growing demand for high-precision machinery for smartphone and connector-related industries, and a high level of orders are expected to continue.

#### Food processing machinery segment

Demand for high quality noodles is expected to remain strong. In addition, sales to food makers other than noodle manufacturers such as confectionery companies and manufacturers of packaging materials for precooked rice and delicatessens are anticipated to grow.

#### Other segments

✓ Both the high-precision dies and mold business and external sales of ceramics are expected to remain strong.

## FY18/12 Financial Results Projections by Segment



		FY18/12	FY18/12	Progress
		3Q Actual	Full-year projection	toward projection
	Machine tool segment	45,117	56,000	80.6%
Se	Industrial machinery segment	7,736	10,500	73.7%
Net sales	Food processing machinery segment	4,934	6,800	72.6%
Z	Other segments	4,789	6,700	71.5%
		62,577	80,000	78.2%
	Machine tool segment	8,033	10,000	80.3%
соте	Industrial machinery segment	604	700	86.3%
Segment income	Food processing machinery segment	618	800	77.3%
Segn	Other segments	931	1,000	93.1%
		10,189	12,500	81.5%
Adjustment amounts		-1,935	-2,500	77.4%
Total operating income		8,253	10,000	82.5%

, ,		
(million yen) FY17/12 (Group-wide: Jan-Dec)		
Actual		
55,796		
12,721		
4,435		
5,760		
78,714		
9,300		
1,471		
127		
846		
11,745		
-2,583		

9,161

#### **Machine tool segment**

- ✓ In Japan, steady earnings are expected thanks to demand for replacing aging equipment.
- ✓ In North America, capital investment demand is expected to increase thanks to corporate tax reduction policies and such demand in Europe is expected to remain solid.
- ✓ In Greater China, orders and sales are projected to slow down owing to postponing capital investment decisions because of trade the conflict between China and the U.S.
- ✓ Demand from auto-related industries in Thailand and Malaysia, etc. is forecasted to continue to be strong.

#### **Industrial machinery segment**

- ✓ In Japan, demand is expected to remain firm, mainly in the automotive, electronic component and semiconductor industries.
- ✓ In both Greater China and Asia, there is a growing demand for high-precision machinery for auto-related industries, and orders received are expected to remain solid.

#### Food processing machinery segment

✓ Demand for high quality noodles is expected to remain strong. In addition, sales to food makers other than noodle manufacturers such as confectionery companies and manufacturers of packaging materials for precooked rice and delicatessens are anticipated to grow.

#### Other segments

✓ Both the high-precision dies and mold business and external sales of ceramics are expected to remain strong.

<sup>\*</sup> With the revision of the business forecast, we partially revised the full-year business forecast by segment.

#### Policy on Shareholder Returns and Dividend Projection



- ✓ Dividend policy: We are aiming for 2% or more for the dividend on equity ratio (DOE).
- ✓ We plan to pay an annual dividend of 24 yen per share (12 yen for each interim and terminal) in FY18/12.





# (Reference Materials)

#### **Domestic and Overseas Sites**





Sodick America Corporation(San Jose)



Sodick, Inc. (Chicago)



Shanghai Sodick Software Co., Ltd.



Miyazaki Plant



Kaga Plant



Head Office and Research and Technology Center



Fukui Plant



Sodick Korea Co., Ltd.



Sodick Europe Ltd. (U.K.)



Sodick Deutschland GmbH (Germany)



Sodick (Thailand) Co., Ltd.



Sodick Singapore Pte., Ltd.



Sodick (H.K.) Co., Ltd.



Sodick Amoy Co., Ltd.



Sodick (Taiwan) Co., Ltd.



Suzhou Sodick Special Equipment Co., Ltd.

**Head Office** 

Production Site Research and Development Site

Sale and Service Site

# **Participation in Major Exhibitions**



✓ The Company will participate in both domestic and overseas exhibitions, thereby engaging in proactive marketing.

Dates	s Location		Exhibition	Notes
2018				
Sep. 10-15	USA	Chicago	IMTS2018	One of the world's largest machine tool trade shows
Sep. 18-22	Germany	Stuttgart	AMB (International exhibition for metal working)	
Oct. 9-13	Italy	Milan	31.BiMu (trade fair for metal forming and cutting machines)	
Oct. 31 - Nov. 2	Japan	Nagoya	Nagoya Plastics Industry Show 2018	
Nov. 1-6	Japan	Tokyo	JIMTOF 2018	One of the world's largest machine tool trade shows
Nov. 8-10	Japan	Yokohama	Japan Die-casting Conference and Show	
Nov. 27-30	China	Dongguan	DMP 2018 (international show for metal molds, metalworking, plastics and packing)	
Dec. 5-7	Japan	Makuhari	Highly Functional Plastics Show / Finetech Japan	
2019				
Jan. 24-30	India	Bangalore	IMTEX2019 (Indian Metal-cutting Machine Tool Exhibition)	
Feb. 5-8	Germany	Leipzig	Intec2019	
Mar. 4-9	Taiwan	Taipei	TIMTOS (Taipei International Machine Tool Show)	
Apr. 15-20	China	Beijing	CIMT (China International Machine Tool Show)	
May 8-11	Thailand	Bangkok	Intermach	
May 14-16	USA	Massachusetts	Eastec	
May 20-23	USA	Michigan	Rapid	3D printer trade show
May 21-24	China	Guangzhou	Chinaplas 2019 (international show for the plastics and rubber industries)	
May 22-25	Malaysia	Kuala Lumpur	METALTECH 2019	
May 27-31	Russia	Moscow	Metalloobrabotka (international show for the machine tool and metalworking industry)	
Jun. 19-22	Thailand	Bangkok	Intermold/Interplus	

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