



Securities Code: 6268

Results Briefing for the First Six-month of the Fiscal Year Ending December 31, 2023 (FY2023/12 H1)

Nabtesco Corporation August 8, 2023

The forecast data presented herein reflects assumed results based on conditions that are subject to change.

Nabtesco Corporation does not make representations as to, or warrant, in whole or in part, the attainment or realization of any of the forecasted results presented in this document.

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1. Results for FY2023/12 H1

2. Outlook for FY2023/12 Full Year

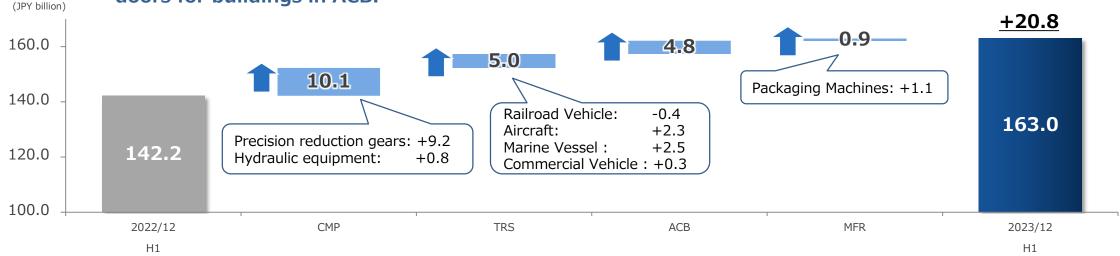
3. Topics

1. Results for FY2023/12 H1

Summary for the FY2023/12 H1 Results (YoY)

Sales

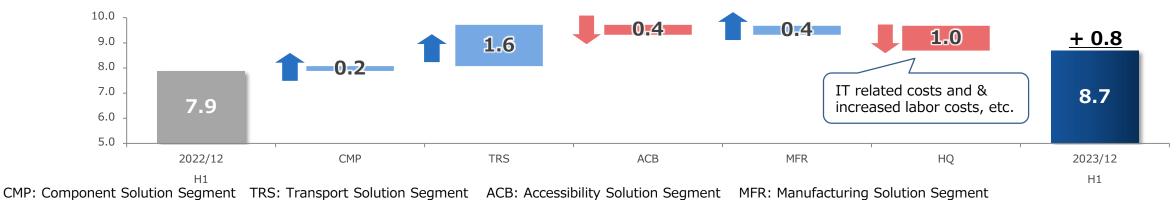
Sales increased in all segments, with the strong demand of precision reduction gears for industrial robots due to EV-related investment, the recovery of demand in TRS, and the favorable demand of automatic doors for buildings in ACB.



O.P.

(JPY billion)

Although there was an increase in profit due to higher sales, the increase in profit was limited, due to higher procurement costs at CMP caused by soaring utility costs, as well as higher labor costs to establish a production capacity in anticipation of higher demand for precision reduction gears, and a one-off cost increase in ACB.



Summary for the FY2023/12 H1 Results [P/L]

Innovation In Action
Vision 2030

Final valuation gain confirmed with the completion of the sale of HDS*1.

The dividend amount remained unchanged, despite a decrease in profit compared to the initial plan.

	2022/12	2023/12	2023年12月期	
(JPY billion)	H1 result	H1 plan	H1 result	
	(A)	(B)	(C)	
Sales	142.2	161.0	163.0	
O.P.	7.9	10.5	8.7	
Operating profit margine	5.5%	6.5%	5.3%	
Finance Income and Cost	-14.7	0.9	4.5	
(Revaluation share of HDS)	-16.6	0.9	3.5	
Equity in earnings of affiliates	1.1	1.3	2.3	
Profit before tax	-5.7	12.7	15.5	
Net profit*2	-5.1	7.4	9.5	
Total basic earnings per share (JPY Yen)	-42.56	61.67	78.74	
DPS (JPY Yen)	39	40	40	

YOY	Plan
Variation	Variation
(C-A)	(C-B)
20.8	2.0
0.8	-1.8
-0.2pt	-1.2pt
19.2	3.6
20.1	2.6
1.2	1.0
21.2	2.8
14.6	2.1

^{*1} HDS: Harmonic Drive Systems Inc.

^{*2} Net profit attributable to owners of the parent

Summary for the FY2023/12 H1 Results [B/S]



Cash and cash equivalents decreased due to investments in M&A and capital expenditures, while non-current assets increased. The sale of HDS*1 share was completed in 2Q.

		_			
	2022/12	2023/12 Q2			
(JPY billion)	(As of December 30, 2022)	(As of June 30, 2023)	Variation		
Assets	459.3	425.5	-33.8	 -Acquisition of Copas Systèmes -Settlement of sale of HDS share 	
(Cash and cash equivalents)	124.4	103.7	-20.7	-Dividends paid/income taxes p	
(Trade receivable)	79.4	73.4	-6.0		
(Inventories)	49.2	60.4	11.2	-Decrease due to completion of	
(Assets held for sale)	34.0	0.0	-34.0	sale of HDS	
(Other non-current financial assets)	163.8	180.1	16.3		
Liabilities	196.1	151.0	-45.0	-Increase in assets due to capit investment	
(Borrowings)	20.3	22.7	2.4	-Increase in goodwill due to the	
(Other non-current financial liabilities)	47.3	0.1	-47.2	acquisition of Copas Systèmes	
(Income taxes payable and deferred tax liabilities)	15.8	9.0	-6.8		
Total equities	263.2	274.4	11.2	-Decrease in financial liabilities	
(Treasury shares)	-4.6	-4.5	0.1	due to completion of sale of HI	
(Non-controlling interests)	14.5	14.5	-0.1		
Equity attributable to owners of parent	248.7	260.0	11.3		
Ratio of equity attributable to owners of parent :	54.1%	61.1%	61.1% *1 HDS: Harmonic Drive Systems Inc.		



2. Outlook for FY2023/12 Full Year

Demand Outlook for FY2023/12 H2



Vision 2030

	Business		Market	Market trend	Demand outlook for FY2023/12 H2
	Precision reduction gears		reduction an increase in inventories of industrial robots.		
СМР			Demand in the Chinese market is expected to remain sluggish. H1 sales of construction machinery in China: YoY-24% (Source: China Construction Machinery Association)	7	
Hydraulic equipment	* Domand in Japan Europe the IIC and Couth East Asia is expected to remain	H1 sales of construction machinery (domestic & export): YoY+33%			
	Railroad Vehicle Equipment		Despite strong domestic MRO demand, investment in new vehicles continues to be restrained. Investment in Chinese railways is expected to be stagnant.		\rightarrow
TRS	Aircraft Equipment	×	Recovery trend in both civilian and defense demand		*
IKS	Commercial Vehicle Equipment		Despite the shortage of electronic components is on the way to being resolved, other component shortage are causing delays in the production of commercial vehicles.		
	Marine Vessel Equipment	ð	Shipbuilding and MRO markets is expected to remain strong.		
ACB	Automatic Doors Orders are expected to increase due to the steady demand for MRO and redevelopment projects in Tokyo Metropolitan Area. Demand for platform doors is also expected to be strong due to the implementation of the Barrier-Free Access Law.			—	
MFR	Packaging Machines		Although some domestic and overseas capital investment will be postponed, demand is expected to remain strong, particularly in the food industry due to the growing needs for automation and labor saving.		

1

Sales: downward revision

Consolidated sales: 330.0 billion yen

(compared to the initial plan: -9.0 billion yen, YoY: +21.3 billion yen)

[Factors of the downward revision]

Decrease in demand for precision reduction gears due to rapid decline in demand for large industrial robots in China and other countries since June.

7

O.P.: downward revision

Consolidated O.P.: 19.0 billion yen (compared to the initial plan: -7.2 billion yen, YoY: -0.9 billion yen)

[Factors of the downward revision]

- Decrease in income due to lower sales in CMP
- Higher-than-expected procurement costs mainly in CMP

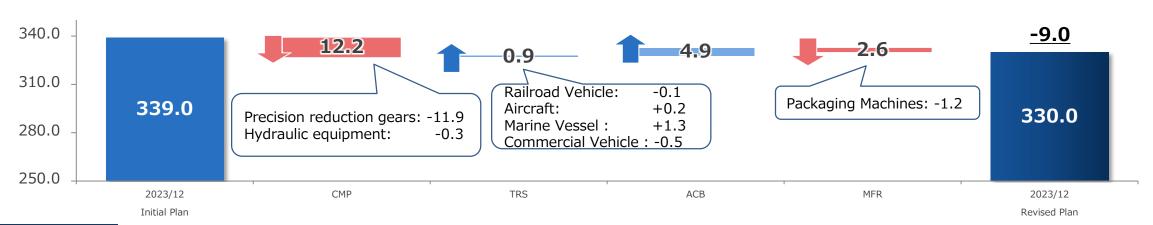
CMP: Component Solution Segment TRS: Transport Solution Segment ACB: Accessibility Solution Segment MFR: Manufacturing Solution Segment

Summary for the FY2023/12 Full year Outlook



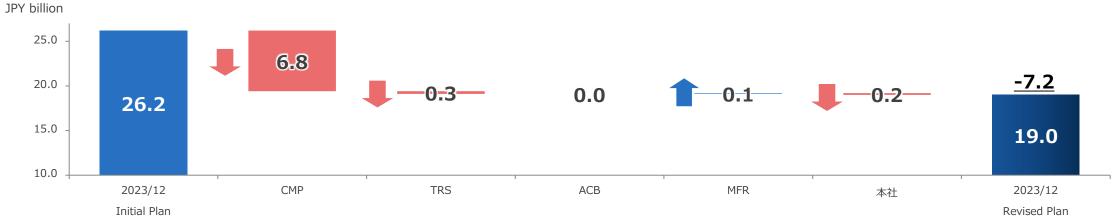
JPY billion

Despite positive factors such as acquisition effects in marine vessel equipment and ACB as well as foreign exchange effects, sales of precision reduction gears declined from the initial plan due to a drop in demand for robots from June onward.

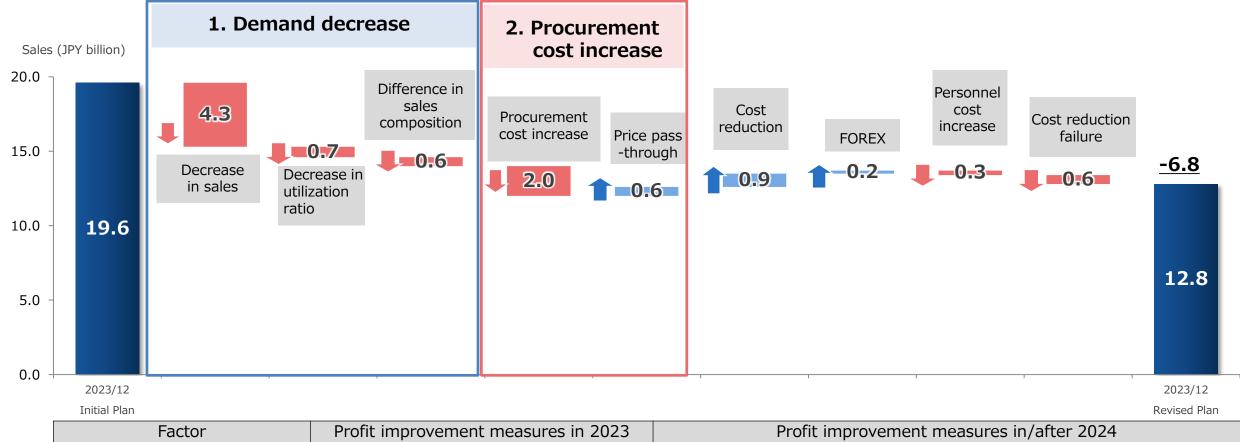


O.P.

In addition to decrease in income due to lower sales, O.P. decreased from the initial plan mainly due to lower demand for FA in CMP and higher-than-expected procurement costs.



Vision 2030



Factor	Profit improvement measures in 2023	Profit improvement measures in/after 2024
1. Demand decrease	Reduction of fixed costsReview timing of equipment installation at Hamamatsu Plant	 Optimal staffing to meet fluctuating demand Raise automation rate Expand sales of FA for overseas markets (batteries, telecommunications, logistics, etc.)
2. Procurement cost increase	- Price pass-through including energy prices	 Ensure price pass-through of unachieved amount in FY2023 Change of make/buy policy (in-house production of bearings, heat treatment, etc.) Adoption of new suppliers

FY2023/12 Revised Plan [P/L]



Net sales were revised down mainly due to lower demand for precision reduction gears for industrial robots in China and inventory adjustments at industrial robot manufacturers. Operating income was revised down due to lower sales at CMP and higher-than-expected procurement costs. The annual dividend plan was left unchanged.

	2022/12	2023/12	2023/12	
(JPY billion)	Result	Initial Plan	Revised Plan	
	(A)	(B)	(C)	
Sales	308.7	339.0	330.0	
O.P.	18.1	26.2	19.0	
(O.P.M.)	5.9%	7.7%	5.8%	
Financial Income and cost	-5.1	0.9	4.4	
(Revaluation of HDS*1 shares)	-5.6	0.9	3.5	
Income before tax	15.8	29.2	27.0	
Net profit*2	9.5	19.5	17.8	
ROIC	4.6%	6.5%	4.7%	
DPS (JPY yen)	78.00	80.00	80.00	
Payout ratio	98.9%	49.2%	53.9%	

YOY	Plan
Variation	Variation
(C-A)	(C-B)
21.3	-9.0
0.9	-7.2
-0.1pt	-2.0pt
9.5	3.5
9.1	2.6
11.2	-2.2
8.3	-1.7
0.1pt	-1.8pt

^{*1} HDS: Harmonic Drive Systems Inc.

^{*2} Net profit attributable to owners of the parent

FY2023/12 CAPEX, R&D and Depreciation

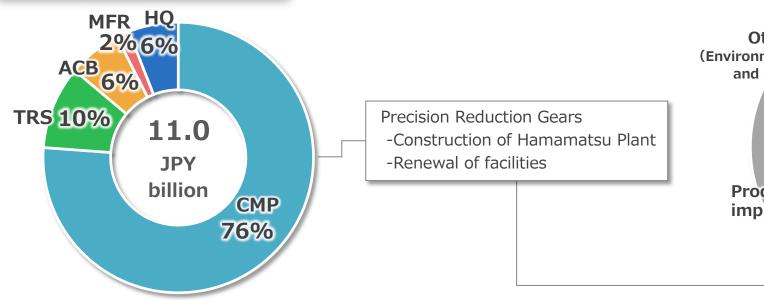


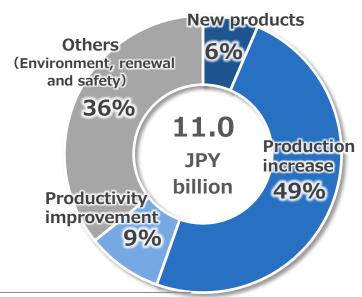
Timing of capital investment postponed due to the decline in demand for precision reduction gears.

	2022/12	2023/12	YoY
(JPY billion)	H1 (A)	H1 (B)	(B-A)
CAPEX	7.0	11.0	4.0
R&D	5.4	5.4	0.0
Depreciation	7.1	7.4	0.3

2022/12	2023/12	2023/12	2023/12
Full-year	Revised Plan (C)	Initial Plan (D)	Plan Variation (C-D)
18.8	34.5	39.4	-4.9
10.9	12.9	13.9	-1.0
14.5	15.3	15.8	-0.5

2023/12 H1 Results





3. Topics

Introducing Business Portfolio Management

Innovation In Action
Vision 2030

Improving corporate value in mid-to-long term

ROIC management

Portfolio Management

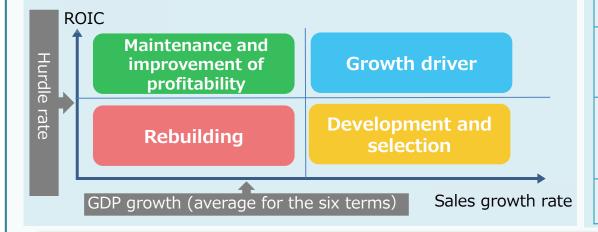
- 1. Financial evaluation
- 2. Business potential evaluation

ROIC tree

[Assessment]

1. Financial evaluation: Capital efficiency (ROIC) + Sales growth rate

Evaluate whether or not each of the units has generated returns beyond the cost of capital and has achieved sustainable growth



- 2. Business potential evaluation: Industry attractiveness + Strength of the Company + ESG-related risks/opportunities
- Evaluate whether or not each of the business units has objective market potential and possibilities that cannot be identified through financial evaluation
- Evaluate ESG-related risks and opportunities posed to the business unit

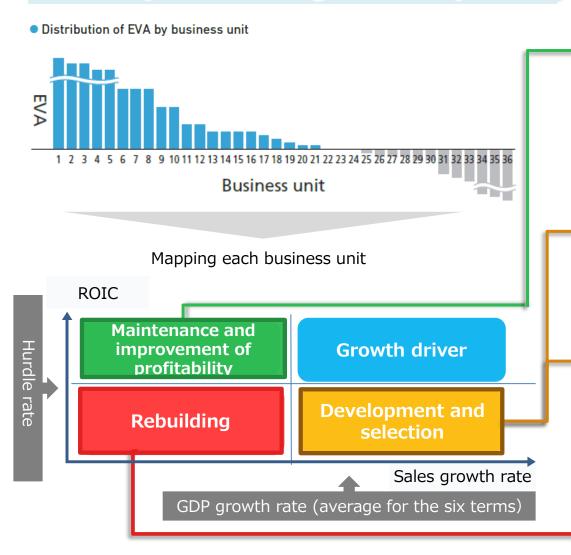
Industry attractiveness	Market sizeGrowth potentialAttractiveness of the industry
Strength of the Company	 Market share, competitive advantage Inimitability Brand value Synergies with other businesses
	• Environment (Amount of CO ₂ emissions and others)
ESG-related risks	Social (Occupational accidents and others)
	Governance (Frequency of product defect-related incidents and others)
ESG-related opportunities	Initiatives implemented to solve social challenges through business

Businesses to be evaluated: Categorize all of the businesses into 36 business units

The Board of Directors discuss the evaluations in 1 & 2

Analysis Results of Business Portfolio Management

Visualize the current situation with portfolio management analysis



Clarification of actions

Jan. 2023: Acquisition of Copas Systèmes

Acquired Copas Systèmes, an European automatic door distributor, to stablish a value chain that will serve as a revenue base

Jul. 2023: Deep Sea technologies became a wholly owned subsidiary of the Company

Nabtesco Marine Engine Control System

Χ

Deep Sea

Optimal routing and

speed proposals by world-leading AI technology

- Accelerate digital transformation (DX) in maritime industry
- Contributing to autonomous vessel operation and fuel saving by utilizing optimal operation control algorithms

Using as a driving force for DX across the Group

Jul. 2023: Intrapreneurship program

The projects to be commercialized were selected in the first business contest.

Jul. 2023: Transfer all shares of TS Precision Co., Ltd.

Transferred all shares of TS Precision to Maruka Co., Ltd. which has customers and sales network that our group does not have, could be the best owner

Appendix

Proceeds from the sale of HDS shares and usage



Total cash proceeds from the sale of HDS shares: 60.8 billion yen (after tax)
Used for strengthening the financial base, shareholders returns and growth investments

Duration			Numbe	er of shares	Sales price (billion yen)
Fel	Feb. 10 th 2021~Jul. 11 th 2022			9,160,200	49.4
Nov. 16 th 2022~Feb. 1 st 2023				4,580,100	17.9
Nov. 16 th 2022~Jun. 23 th 2023				4,580,100	19.6
Subtotal					86.9
					26.1
			Proceeds		60.8
					,
Strengthening of financial base -Redemption of corporate bond -Repayment of borrowings 20 billion yen		yback ented in 2021)		-Hamama -Copas Sy -Deep sea	atsu plant ystèmes a Technologies
	No	Feb. 10 th 2021~ Nov. 16 th 2022~ Nov. 16 th 2022~ Subtemplements	Feb. 10 th 2021~Jul. 11 th 2022 Nov. 16 th 2022~Feb. 1 st 2023 Nov. 16 th 2022~Jun. 23 th 2023	Feb. 10 th 2021~Jul. 11 th 2022 Nov. 16 th 2022~Feb. 1 st 2023 Nov. 16 th 2022~Jun. 23 th 2023 Subtotal Tax Proceeds Shareholders return -share buyback (implemented in 2021)	Feb. 10 th 2021~Jul. 11 th 2022 9,160,200 Nov. 16 th 2022~Feb. 1 st 2023 4,580,100 Nov. 16 th 2022~Jun. 23 th 2023 4,580,100 Subtotal Tax Proceeds Shareholders return -share buyback (implemented in 2021) Growth in -Hamana -Copas System -Proceeds

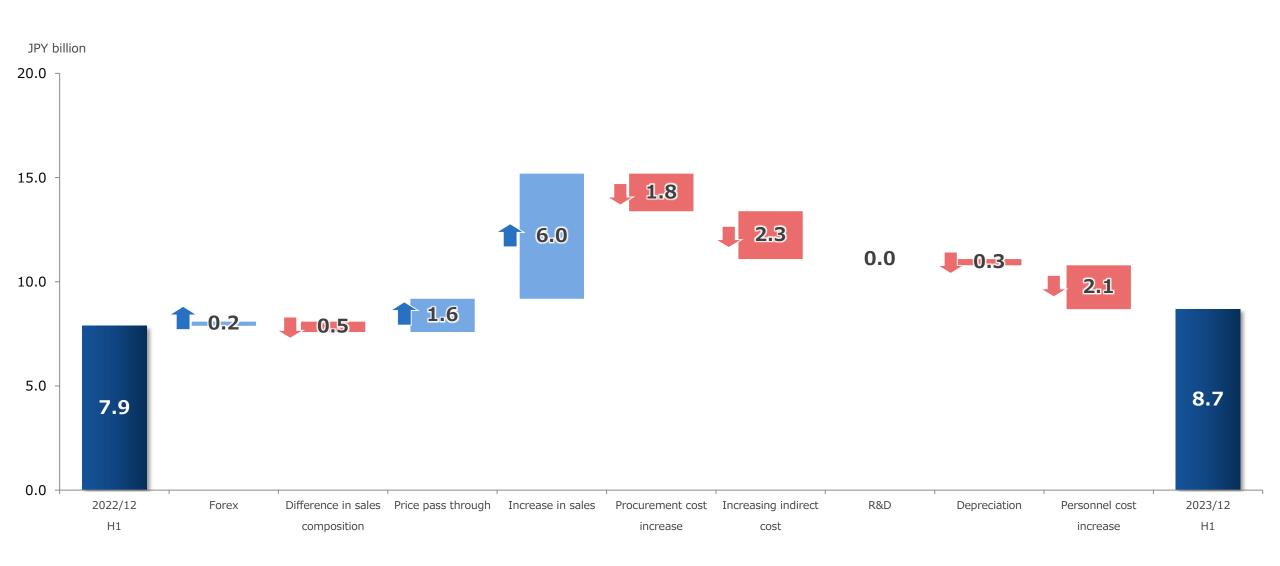
■ FOREX rate		2022/12	2022/12	2023/12	2023/12	2023/12
		H1 results	Full Year results	H1 results	Initial plan	Revised plan
	USD	¥124.52	¥131.12	¥136.54	¥125.00	¥125.00
	RMB	¥19.12	¥19.46	¥19.54	¥18.50	¥18.50
	EUR	¥135.16	¥136.43	¥147.93	¥130.00	¥140.00
	CHF	¥131.83	¥136.81	¥149.75	¥135.00	¥145.00

■ FOREX sensitivity (This represents the effect to be expected on operating profit if the exchange rate fluctuates by one yen)

	2023/12 H1 results				
(Million Yen)	Sales	O.P.			
USD	67	30			
RMB	988	-66			
EUR	Minimal	Minimal			
CHF	110	Minimal			

2023/12 Revised plan					
Sales	O.P.				
179	57				
1,531	162				
82	Minimal				
246	Minimal				

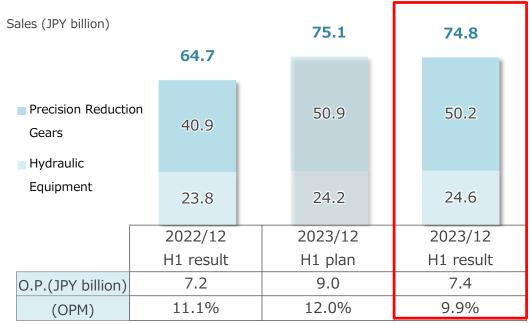
Results details for FY2023/12 H1



Results for FY2023/12 H1 [by Segment]



Component Solution Segment (CMP)



[Sales]

Precision reduction gears:

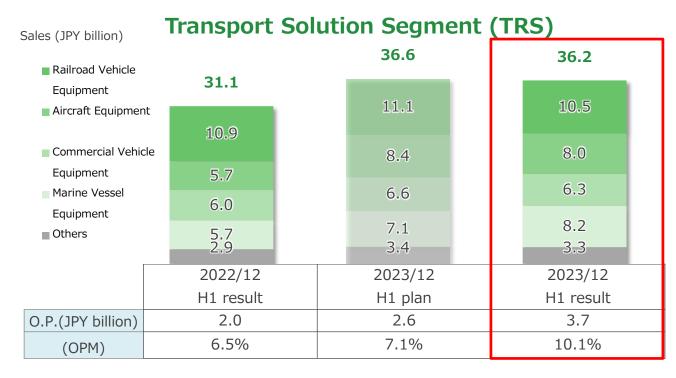
Increased YoY due to strong demand for industrial robots related to EV-investment.

· Hydraulic equipment:

Increased YoY due to remaining strong demand from Japan, Europe, and the U.S, despite the continued sluggish demand in China

[Segment O.P.]

Same level as the previous year due to the impact of higher procurement costs and labor costs resulting from increased utility costs.



[Sales]

· Railroad Vehicle Equipment:

Decreased YoY due to sluggish domestic demand for new vehicles

· Aircraft Equipment:

Increased YoY due to recovering in demand from both the Ministry of Defense and commercial aircrafts.

· Commercial Vehicle Equipment:

Increased YoY due to easing the impact of semiconductor shortages

Marine Vessel Equipment:

Increased YoY due to shipbuilding and shipping market conditions remained strong

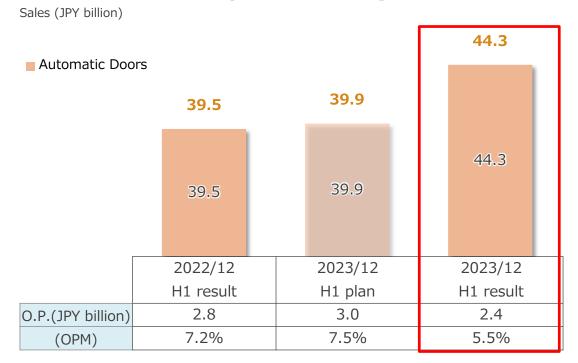
[Segment O.P.]

Increased YoY due to higher sales and MRO sales expand

Results for FY2023/12 H1 [by Segment]



Accessibility Solution Segment (ACB)



[Sales]

Automatic Doors:

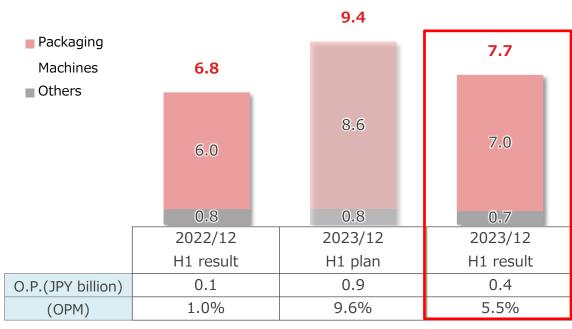
Increased YoY due to the elimination of shortages of electronic components, strong demand for automatic doors in Japan and forex effects

[Segment O.P.]

Decreased YoY due to the recognition of one-off costs in overseas platform door projects.

Manufacturing Solution Segment (MFR)





[Sales]

Packaging Machines:
 Increased YoY as production delays

Increased YoY as production delays caused by shortages of electronic components have eased.

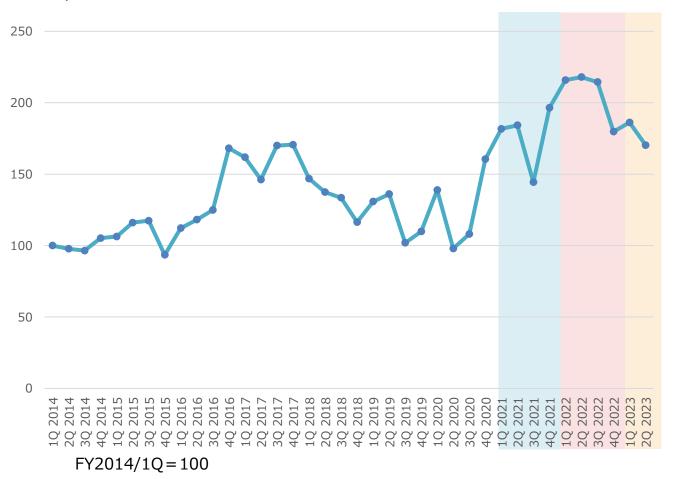
[Segment O.P.]

Increased YoY due to the higher sales

FY2023 Q2 consolidated orders

FY2023 Q2 orders: QoQ-9%, YoY-22%

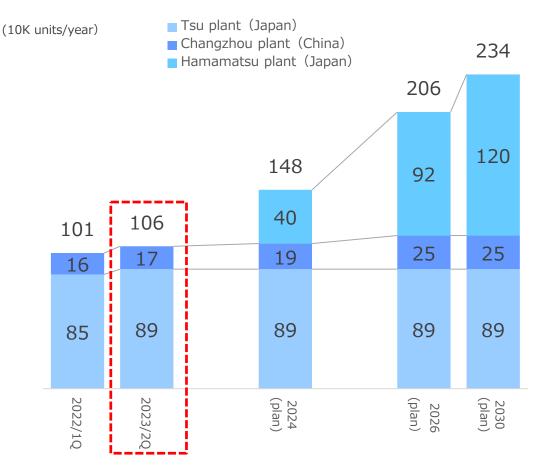
Orders received in FY2023 2Q decreased due to a slowdown in capital investment for EVs in China and other markets.



FY2023 Q2 annual production capacity in global: 1.06 million Units.

FY2023 Q2 Utilization ratio

Japan Plant (Tsu) : 110% @890K units/year China Plant (Changzhou) : 105% @170k units/year



FY2023/12 H1 Sales by Geographic Segment





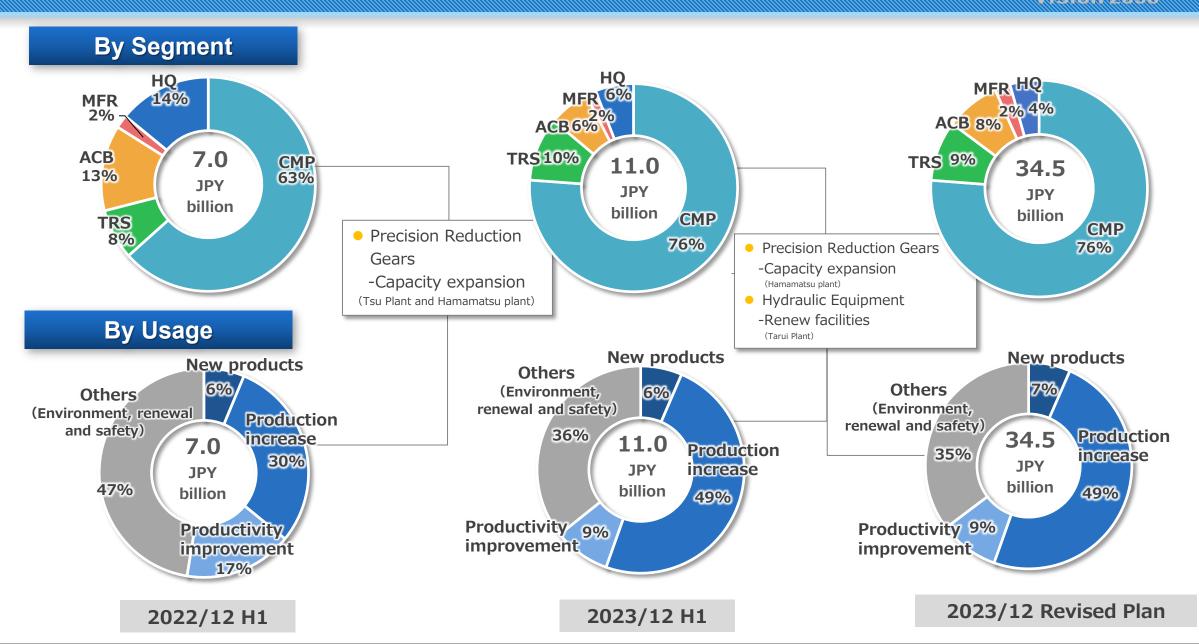
2023/12 H1 Results
Others 0.5% (0.8 JPY_billion)
Europe 17.2% (28.1 JPY billion)
North America 7.6%
(12.4 JPY billion) 163.0
Rest of Asia 5.9% (9.6 JPY billion) Japan 53.3%
China 15.4% (25.1 JPY billion) (86.9 JPY billion)

Oversea sales	65.2 JPY billion
Ratio	45.9%

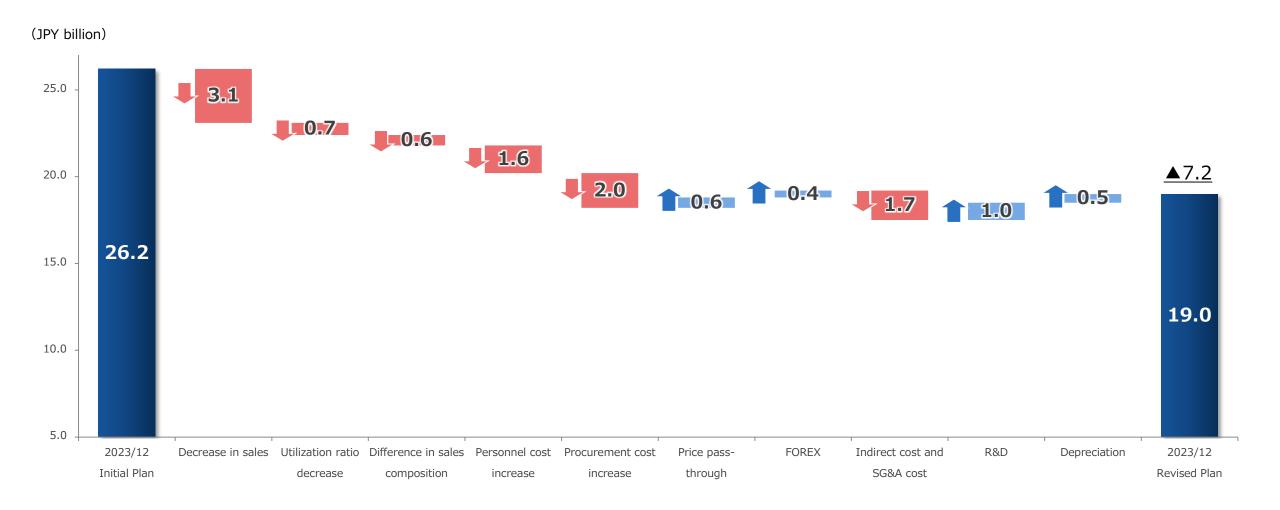
Oversea sales	76.1 JPY billion			
Ratio	46.7%			

Breakdown in CAPEX

Innovation In Action Vision 2030

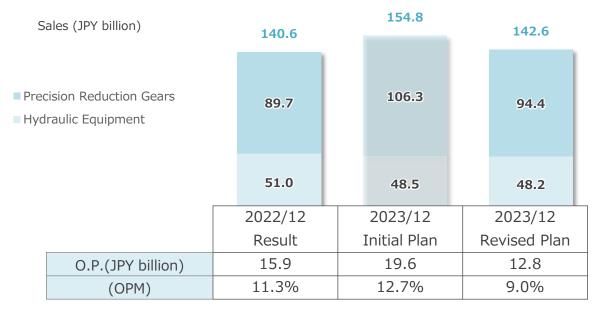


Outlook details for FY2023/12 Full Year



Outlook for FY2023/12 Full Year [by Segment]

Component Solution Segment (CMP)



[Sales]

Precision reduction gears:

Revised downwards due to sharp decline in demand from China and other markets since June

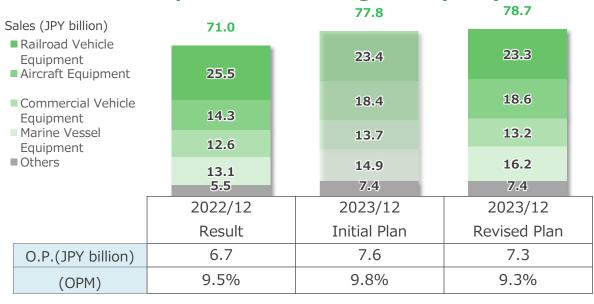
Hydraulic equipment:

In line with initial plan due to strong demand in other than China regions despite a weaker-than-expected demand in China

[Segment O.P.]

- Revised downwards due to lower sales of CMP (decrease FA in precision reduction gears) and higher procurement costs than expected at the initial plan

Transport Solution Segment (TRS)



[Sales]

- Railroad Vehicle Equipment : In line with initial plan
- Aircraft Equipment : In line with initial plan
- Commercial Vehicle Equipment: Downward revision due to prolonged production cutbacks due to parts shortages at customers
- Marine Vessel Equipment:
 Upward revision due to strong shipbuilding and shipping markets

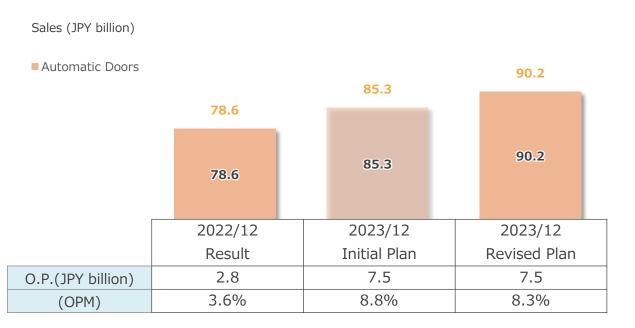
[Segment O.P.]

- In line with initial plan due to TRS businesses well except OVALO despite OVALO's larger-than-expected losses

Outlook for FY2023/12 Full Year [by Segment]



Accessibility Solution Segment (ACB)



[Sales]

Automatic doors:

Revised upward due to strong demand for automatic doors in Japan/overseas, MRO sales increase by the elimination of shortages of electronic components, and forex effects

[Segment O.P.]

In line with initial plan due to strong demand for automatic doors in Japan/overseas despite one-off costs in overseas at Q2

Manufacturing Solution Segment (MFR)



[Sales]

Packaging Machine:

Revised downwards due to the postponement of the timing of capital investment at some customers

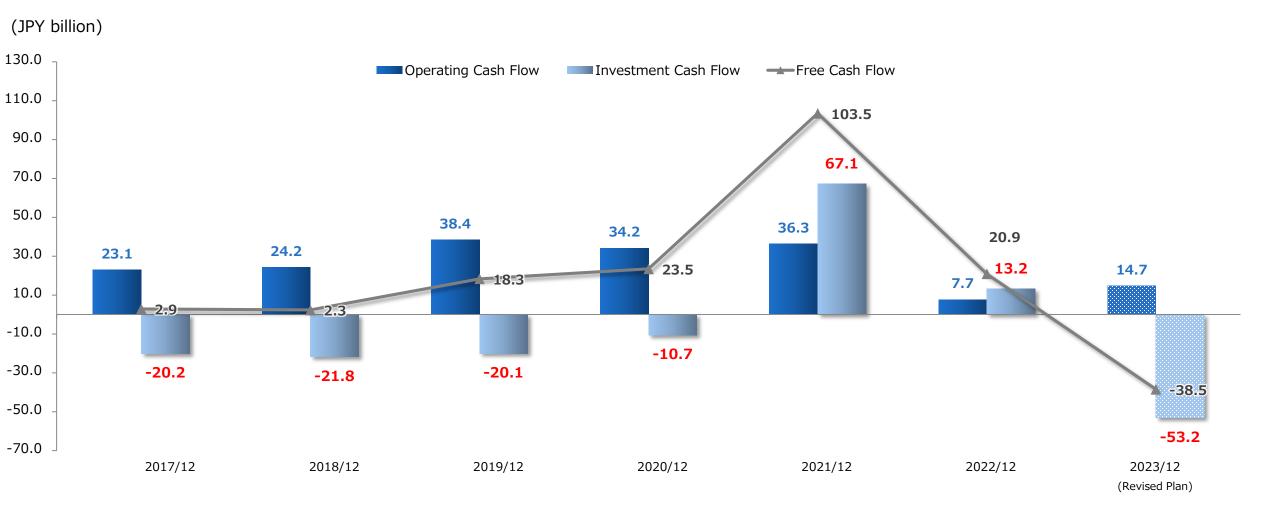
· Other business:

Revised downwards due to transferred all shares of TS Precision

[Segment O.P.]

In line with initial plan due to gain on sale of business

Expect negative free cash flow in FY2023/12 due to increased capital expenditures for the construction of a new precision reduction gear plant, and settlement of M&A and sale of HDS*1 shares.



^{* 1} HDS: Harmonic Drive Systems Inc.

Component Solutions Segment (CMP)



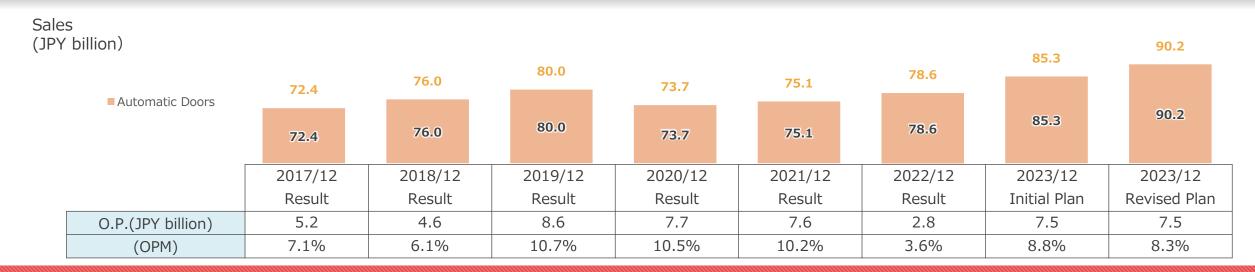
Sales (JPY billion)					138.1	140.6	154.8	142.6
■ Precision Reduction Gears	113.9	119.3	107.1	109.9				
■ Hydraulic Equipment	72.6	65.8	54.9	55.8	77.5	89.7	106.3	94.4
	41.3	53.4	52.2	54.0	60.6	51.0	48.5	48.2
	2017/12	2018/12	2019/12	2020/12	2021/12	2022/12	2023/12	2023/12
	Result	Result	Result	Result	Result	Result	Initial Plan	Revised Plan
O.P.(JPY billion)	20.4	20.2	15.9	17.7	22.9	15.9	19.6	12.8
(OPM)	17.9%	16.9%	14.8%	16.1%	16.6%	11.3%	12.7%	9.0%

Transport Solutions Segment (TRS)

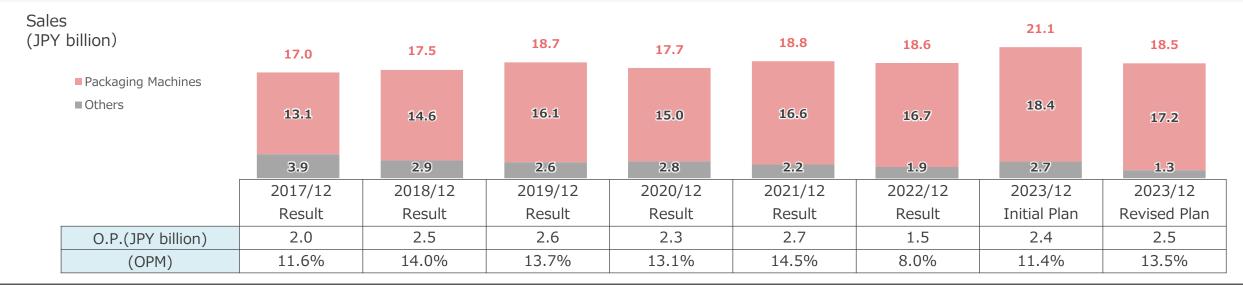
S	ales								
(JPY billion)	79.1	81.9	84.0	78.1		74.0	77.8	78.7
Ra	ilroad Vehicle Equipment					67.7	71.0		
Air	craft Equipment	27.9	31.2	30.3	29.5	25.0	25.5	23.4	23.3
■ Co	mmercial Vehicle Equipment	18.9	18.5	22.8	18.8	25.8		18.4	18.6
Ma	rine Vessel Equipment	11.0	14.6	14.2	12.0	13.2	14.3 12.6	13.7	13.2
■ Ot	ners	8.5	9.8	10.8	10.7	12.1 11.3	13.1	14.9	16.2
	Γ	12.6	7.8	5.9	7.0	5.4	5.5	7.4	7.4
		2017/12	2018/12	2019/12	2020/12	2021/12	2022/12	2023/12	2023/12
		Result	Result	Result	Result	Result	Result	Initial Plan	Revised Plan
	O.P.(JPY billion)	8.4	2.0	5.8	3.3	5.6	6.7	7.6	7.3
	(OPM)	10.6%	2.5%	6.9%	4.3%	8.3%	9.5%	9.8%	9.3%

Accessibility Solution Segment (ACB)





Manufacturing Solutions Segment (MFR)



Main Products: Component Solutions Segment (CMP)



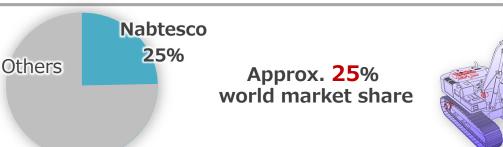
Precision Reduction Gears

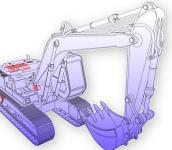
■ Joints of Medium and Large Size Industrial Robots



Hydraulic Equipment

■ Traveling Units for Hydraulic Excavators





Main Customers

■ Precision Reduction Gears

Industrial Robots: Fanuc, Yaskawa Electric, KHI, KUKA Roboter (Germany), ABB Robotics (Sweden)

Machine Tools: Yamazaki Mazak, Okuma, DMG Mori Seiki

■ Hydraulic Equipment

Traveling Units: Komatsu, Sumitomo Construction Machinery, Kobelco Construction Machinery, Sany (China), XCMG (China), Liu Gong (China)

Main Products: Transport Solutions Segment (TRS)





■Brake Systems

■ Door Operating Systems



Aircraft Equipment

■ Flight Control Actuation Systems (FCA)



Main Customers

Railroad Vehicle Equipment

JR Companies, Private railway companies, Hitachi, KHI, Bullet train and subway projects in China

■ Aircraft Equipment

Boeing, KHI, MHI, IHI, Japanese Ministry of Defense, Airline operators

Main Products: Transport Solutions Segment (TRS)

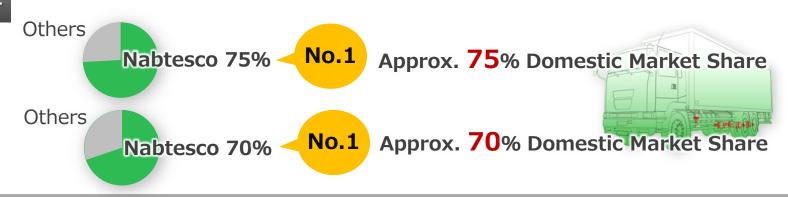


Commercial Vehicle Equipment

- **■** Wedge Chambers
- Air Dryers

Marine Vessel Equipment

■ 2ST Main Engine Control Systems



Others
Nabtesco 50%
No.1
Approx. 50% Domestic Market Share
(Approx. 40% World Market Share)

Main Customers

■Commercial Vehicle Equipment

Isuzu, Hino, Mitsubishi Fuso Truck & Bus, UD Trucks

■ Marine Vessel Equipment

KHI, Japan Engine Corporation, Makita Corporation, Hitachi Zosen, Mitsui Engineering & Shipbuilding, Hyundai Heavy Industries (Korea), Hudong Heavy Machinery (China), HSD Engine Co., Ltd. (Korea), MAN Diesel (Denmark)

Main Products: Accessibility Solution Segment (ACB)

Automatic Doors

■ Automatic Doors Others

No.1 **Nabtesco** Approx. 55% 55% market share for building automatic doors (one of the top share in the world)



■ Platform Screen Doors

No.1 Others Approx. 95% Nabtesco domestic market share 95% (accumulated total)



Main Customers

Automatic Doors for buildings: Major general contractors, sash manufacturers, hospitals, banks, public institutions, etc. Platform Doors: JR Companies, Private railway companies, Subway projects in various countries

Main Products: Manufacturing Solutions Segment (MFR)

Packaging Machines

■ Packaging Machines for Retort Pouch Foods







Main Customers

■ Packaging Machines

DM Mitsui Sugar, Ajinomoto, Marudai Food Co., Ltd., ARIAKE Japan, KENKO Mayonnaise, P&G, Kao, Lion, beverage companies in North America, food companies in China

Nablesco

moving it. stopping it.