

# Financial Results for FY2022 2Q (Jan. 2022 – Jun. 2022)

Nisshinbo Holdings Inc. Aug. 10, 2022



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The earnings forecasts contained in these materials are based on information currently available to the Company and are not promises of achievement.



## 1. FY2022 2Q Results Overview

# 1-1. Financial Highlights (y/y)



(mil ven)

	FY2021	FY2021	FY2022	Chan	ige
	2Q	2Q	2Q		
		reclassified(※)			rate
Net sales	264,128	248,808	256,865	+8,056	+3.2%
Operating income	19,416	18,464	12,962	-5,501	▲29.8%
Ordinary income	22,564	21,900	17,682	-4,217	<b>▲</b> 19.3%
Net income Attributable to Owners of Parent	17,098	16,633	13,196	-3,436	▲20.7%

Nisshinbo Group has applied the accounting standard for revenue recognition and other standards from 1Q 2022. Therefore, year-on-year comparative information excluding the impact of the accounting standard change on business results is provided for reference.

Sales increased due to strong sales of microdevices and other products.

Although operating income increased significantly in microdevices, operating income decreased on a consolidated basis due to the impact of soaring raw material and energy prices in the brake business and other businesses.

- Net sales Increased (+) Micro Devices, Brakes, Textiles
- Operating income Decreased (+) Micro Devices (-) Wireless Comms、 Brakes
- Ordinary income Decreased (-) Operating Income decreased
- Net income Decreased (-) Ordinary Income decreased

# 1-2. FY2022 2Q Net sales (y/y)



(mil. yen						
	FY2021	FY2022	Chai	nge		
	2Q	2Q				
	reclassified			rate		
Wireless comms	81,200	77,487	-3,713	<b>▲</b> 4.6%		
Microdevices	36,951	41,071	+4,119	+11.1%		
Brakes	69,210	75,525	+6,315	+9.1%		
Precision instruments	24,198	24,457	+258	+1.1%		
Chemicals	5,286	6,065	+779	+14.7%		
Textiles	14,971	18,150	+3,179	+21.2%		
Real estate	12,566	8,721	-3,844	▲30.6%		
Others	4,423	5,384	+961	+21.7%		
Total	248,808	256,865	+8,056	+3.2%		

#### (y/y) Increased

[Micro Devices] Sales for consumer products slowed, but increased due to strong sales in automotive and industrial equipment applications.

(Brakes) Sales increased due to strong shipments of copper-free friction materials, despite the impact of production cutbacks by car manufacturers.

# 1-2. FY2022 2Q Net sales (y/y)

Millions FY2022 2Q Net sales (y/y) of yen 265,000 3,179 260,000 256,865 961 779 258 6,315 255,000 -3,844 250,000 248,808 4,119 245,000 -3,713 240,000 235,000 Real estate Other ousinesses 230,000 Precision instruments Wieless Comms Microdevices FY-2021 reclassified Chennicals *Testilles* 2007 000

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# 1-3. FY2022 2Q Operating income (y/y)



				(mil. yen)
	FY2021	FY2022	Char	nge
	2Q	2Q		
	reclassified			rate
Wireless comms	6,034	5,021	-1,013	▲16.8%
Microdevices	2,240	4,582	+2,341	+104.5%
Brakes	3,506	-2,165	-5,672	-
Precision instruments	739	-76	-816	_
Chemicals	923	1,163	+239	+26.0%
Textiles	-541	-307	+234	_
Real estate	7,966	7,277	-688	▲8.6%
Others & Corporate cost	-2,404	-2,531	-126	_
Total	18,464	12,962	-5,501	<b>▲</b> 29.8%

#### (y/y) Decreased

(Wireless comms) Although sales of disaster prevention administrative radio systems increased in the solutions business, income decreased due to a decline in large projects for road information systems.

[Brakes] TMD, which is mainly engaged in the after-market business, is actively promoting price pass-on, but profit declined because it could not keep up with the sharp rise in raw material and energy prices.

# 1-3. FY2022 2Q Operating income (y/y)



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# 1-4. Ordinary income to net income (y/y)



(mil. y					
	FY2021	FY2022	Chan	ge	
	2Q	2Q		rate	
Operating income	19,416	12,962	-6,454	▲33.2%	
Non-operating income	4,606	6,548	+1,942	+42.2%	
Non-operating expenses	1,458	1,829	+371	+25.4%	
Ordinary income	22,564	17,682	-4,882	<b>▲</b> 21.6%	
Extraordinary income	2,287	1,587	-700	▲30.6%	
Extraordinary loss	1,763	884	-879	<b>▲</b> 49.9%	
Income before income taxes	23,088	18,385	-4,703	▲20.4%	
Income taxes	5,246	4,938	-308	▲5.9%	
Profit attributable to non-controlling interests	744	250	-494	▲66.4%	
Profit attributable to owners of parent	17,098	13,196	-3,902	▲22.8%	

### (y/y) Decreased

Net income attributable to owners of the parent : Decreased mainly due to lower operating income



### 2. Forecast for FY2022

# 2-1. Forecast for FY2022



			(mil. yen)
	FY2022	FY2022	
	2Q	Initial FC	Rate of
		Feb. 9	progress
Net sales	256,865	513,000	50.1%
Operating income	12,962	23,000	56.4%
Ordinary income	17,682	26,000	68.0%
Net income Attributable to Owners of Parent	13,196	17,000	77.6%

•No change from the initial forecast announced on February 9, 2012.

•Although each segment's progress differs, consolidated performance remained steady.



# **1** Declaration of Carbon Neutrality

Based on the results of a climate change scenario analysis in accordance with the TCFD recommendations, Nisshinbo Holdings announced an environmental goal of reducing the Group's greenhouse gas emissions by 50% or more by 2030. At the same time, the company expressed its support for the TCFD recommendations and declared its intention to be carbon neutral by 2050.





# 2 Construction of a new plant for fuel cell bipolar plates

Orders are expected to exceed the production capacity of existing plants by 2023. To catch up and further expand its business, the company will increase production and strengthen its competitiveness by expanding its plant, installing a new line, and increasing the capacity of the existing plant. The investment will be approximately 10 billion yen, and the new plant is scheduled to be completed at the end of 2024.





## 3. Business strategies of Micro Devices

### **Electronic Devices Business: Issues to Achieve FY22 Plan**



The tide is turning noticeably in the consumer products sector, and the risk of customer production declines due to changes in market conditions is increasing. The shortage of production capacity will be resolved due to the decrease in demand, but the risk of difficulty in obtaining parts and materials will continue.

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### **Electronic Devices Business Situation**



Market	Area	Business situation
	Domestic	Although the market has seen an increase in the number of requests from customers to delay deliveries due to excess inventory of parts, we expect sales in 2023 to remain at about the same level as in 2022, based on our long track record of deliveries to customers in a wide range of applications.
Consumer	Overseas	Smartphones are sluggish, particularly in China, and are expected to recover in 2023. Demand for remote work in Note PC and high-end audio systems was sluggish, and is expected to remain sluggish and stable in the future. Sales of air conditioners (impact of lock-down) in China and VR (formation of new markets) in the U.S. were favorable.
Industrial	Domestic	The condition of high demand continues. Steady growth is expected to continue, mainly in the factory automation equipment market.
machinery	Overseas	It is trending steadily, mainly in FA. Production of UPS and solar in China is steadily expanding. The cloud, electronic money servers, and power tools have been adjusted, but a recovery is expected in 2023.
A 4	Domestic	Demand from automotive Tier customers remains robust, despite production cutbacks by automobile manufacturers. Steady growth is expected, mainly in applications for the xEV market, which is expected to grow significantly in the future.
Automotive	Overseas	Market is rapidly expanding as China is subsidizing EV-related to post-lock-down stimulus measures. Sales of batteries, motors, and camera modules are expected to grow. In other regions as well, automobiles in general, particularly EV, are trending steadily.

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### Production Status of Electronic Devices (Front-end process) NSSHNBO

Ratio of production volume in FY2022 (8-inch equivalent)



#### Yashiro 6-inch

• Full capacity production is ongoing.

#### Yashiro 8-inch

• Increase facilities and personnel to cope with the increase in production volume.

#### Foundry

• Foundry's production volume increased significantly as the market expanded.





### Production Status of Electronic Devices (Back-end process) NSSHNBO



### **Electronic Devices Business Procurement**







### **Development Status of Yashiro 0.18µm**

**NSSHNBO** 



### **Promoting Business Reforms for Growth**

# **N**SSHNBO

Renewal

## **Three SINKAs**

Deepening

- **3)** Transformation into an analog solutions provider
- Deployment of sensing devices (modules)

• Incorporate control logic (DSP, microcontrollers), short-distance communication technology to further increase the value provided to customers in terms of both hardware and software.

#### **Evolution**

2) Development of signal processing business

• Combining the following strengths around sensors, which will grow in the future, we will develop businesses such as sensor AFE, mainly for automotive and industrial equipment.

#### 1) Strengthen standard products business

• The strengths of both companies (low consumption, low noise, high precision) will be further strengthened and widely deployed as a base business in the consumer, industrial, and in-vehicle markets.





### **Providing Customer-Oriented Solutions**

-Expanding from the Component Business to the System Level

Ultra-sonic sensor Microwave sensor Optical sensor Gas sensor Microphones Strain sensor Strengthening Sensor Technologies Coordination of related themes Modular technology capabilities Software development capabilities Use scene imagination Strengthening Signal Processing Technologies Including collaboration with

### **Digital Innovation-Creating Data Businesses by Promoting AI and IoT**

Analyze the collected data, transform it into valuable data for the user, and provide it.

#### for data contributing to society



Healthcare; Prevention of medical lifestyle-related diseases; Presence of diseases





Households and on-board Office air management



Agriculture and livestock industries Soil management and odor countermeasures



Switchboard Odor abnormality detection

### **Promoting Group Contribution Businesses**



### • Expansion of new businesses and the launch of new products

Under development of new products through technology integration in collaboration with Nisshinbo Group companies





### APPENDIX





### **Significance of integration:**

Mainly in the electronic devices business, by leveraging the strengths of both companies to expand our strong product portfolio, Nisshinbo Micro Devices will become an analog solutions provider expected from customers around the world.

### **Corporate Philosophy (Common to the Nisshinbo Group)**

Change and Challenge! For the creation of the future of Earth and People.

### NISD Vision 2025

(Qualitative) Contribute to the development of a connected society through electronic devices and microwave products based on our strength in analog technology, and become a company with value and presence expected by customers around the world.
(Quantitative) Sales/Operating income = 100 billion yen/10 billion yen or more

### **NISD's business domains**

**Electronic Devices: Signal Processing & Energy Management Microwave: Microwave Communications & Sensing** 



### **2022 NISD Slogan**

### Transformation through integration. Pursuit of value provided to customers and creation of solution businesses.

Promotion of electronic device business with competitive advantage

**Expansion of microwave business and profit generation** 

■Integration and Strengthening of Structure for the Future



### **Business Category (Electronic Devices)**







### **Electronic Devices Business EM Field Topics**

**RN5T5611** Completed

Mobility

PMIC for functional safety-compatible CMOS image sensors



#### [Characteristics]

• NISD's first composite power supply for automotive sensing cameras compliant with ISO 26262 ASIL-D development process

· Equipped with DC/DC converter: 2 channels, ultra-low noise LDO: 1 channel, overvoltage/undervoltage monitoring circuit: 4 channels

• Equipped with thermal shutdown, soft start, I2C interface, logic BIST circuitry.

• Small-size packaging: QFN0505-32 (Wett Flank compatible)



#### **AC/DC** power supply ICs compliant with energy conservation and EMC standards Meets energy-saving standards (DoE, CoC) for efficiency characteristics and standby power 100 90 80 \_\_\_\_\_ Standard (average): >75.2% [%] 60 樹 50 寂 40 30

AC:240V 20 1000 1500 2000 2500 出力電流 Iout [mA] Efficiency characteristic Standby power AC100V AC240V Specification:<0.075 0.02W 0.05W

AC:100V

NJW4790 Completed

Pseudo-resonant RCC soft switching control IC

#### Meets EMC standard (CISPR32) for multimedia equipment

**NSSHNBO** 

Infrastructure &

Safety



#### [Characteristics]

- · Realizes low power consumption and high efficiency
- · Contributing to reduction of standby power by light load mode
- Meets energy conservation standard (USA-DoE, EU-CoC)
- · Meets low-EMI (CISPR32) by pseudo-resonance

#### [Application]

Auxiliary power supplies, smart meters, and AC adapters for industrial and residential equipment

### **Electronic Devices Business SP Area Topics**

Life &

Healthcare

**NSSHNBO** 



#### Fusion of three technologies of NISD

- ·Optical semiconductor technology
- Analog Technology
- •Assembly technology



#### [Characteristics]

TTON

· Realized a small and thin package has been realized with a view to incorporating the product into button switches. (3.6 x 5.8 x 1.2 (mm))

**Completed NJL5830R** 

• This product is the first in the industry to prevent malfunctions due to interference by shifting the pulse period between sensors.

• The optical modulation method provides high resistance to ambient light and allows for outdoor use.

• It can also be used in environments where gloves are worn, such as with food and beverage equipment and medical devices.



#### **Expansion of lineup for GNSS 1.2GHz band**

(NJG1186PJL: FEM/ NT1191: Wide-bandwidth LNA NT1192: 1.2GHz band LNA) developed



Improved GNSS positioning accuracy by one order of magnitude



Product Category	1.2GHz band (L2/L5/L6)	1.5GHz band (L1)	Characteristics	
SAW+LNA FEM	New product NJG 1186 PJL	Existing product NJG1159	Low noise, L5/L2 response	
Dedicated to Band "LNA	New product NT1192	Existing product NJG1155, etc.	Low external parts	
Common Band "LNA	New product	New product NT1191		







### Microwave Business Market/Market Conditions by Product NSSHNBO

Product category	Major category	Status of Orders Received and Business Negotiations
Microwave tubes /Peripheral equipment	Electron tube	Sales of magnetrons for ship radar remained strong both in Japan and overseas due to an increase in ship transport volume and are expected to remain so in the second half of the year. Production cuts by radar manufacturers due to difficulty in obtaining parts and materials are a cause for concern. Sales increased due to increased adoption of electronic guns and catalysts for X-ray application equipment. The necessary trends of each company show continuous growth.
	Radar Composite	Stable due to combination sales with the above-mentioned Magnetron for ship radar.
Microwave	communic	Ship-equipped vessels performed well due to the IT adoption of vessels and the worldwide rise in operations. A certain amount of orders will be confirmed in the second half, and further additions are being negotiated.
Applied products	Sensor	Long-term comprehensive orders have been obtained due to demand for stable delivery and increased demand. Launched mass production of new products for TOTO in NISD-Thailand and responded to an increase in orders.

### **Procurement Status of Microwave Business**

#### **Production materials and lead times** 400 days 0 days $500 \, \text{days}$ 100 days 200 days 300 days600 days 700 days **Products** 560 365 Microcontrollers 658 574 **Analog IC OTHER ELECTRON** 365 510 **DEVICES Connectors/Boards** 180 425 or more 120 365 **Raw materials Metal** 75 Undecided Gas Other raw materials 90 <sup>1</sup>Undecided

Microcontrollers: Lead time remains high. The maximum is 560 days for Company N.Analog IC: Lead time remains high. The maximum is 658 days for Company A.Other Electronic Components: Individual Electronic Components also remained at a high lead time. The

maximum lead time is 510 days.

Connectors/boards: Connectors manufactured by Company J will continue to be in the state of not responding to the delivery date.

Metals: Lead times remained high for cobal, nickel, tungsten, and molybdenum. Gas: Helium gas will be in time for this fiscal year, in light of savings in consumption. Others: We will closely monitor the status of the florinat supply stop due to the shutdown of the refining plant.

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### **Microwave Business Topics**



Increase in orders for microfocus electronic guns

For Canon Anelva (NJK1153)

Equipped with the microfocus X-ray source for industrial non-destructive inspection by Cannon Anelva. Realizes high resolution and high speed photography with stable output.





NJK1153

Canon Anelva's microfocus X-ray source With stable X-ray output for industrial nondestructive inspection Realizes high-resolution, high-speed photography

High-resolution X-ray image of bonding wire in IC package



% The contents of this report have been approved by Canon Anelva.

24 GHz Microwave Sensor-Module Commenced Mass Production

For TOTO Corporation (NJR4274)

Mass production of the NJR4274 microwave sensor module, newly developed for TOTO's new products, has started at Nisshinbo Micro Devices (Thailand).



**TOTO news release (June 7)** New Neorest (NX/LS/AS/RS) launched simultaneously on Monday, August 1 Expansion of the globally unified model, the "LS" is newly launched. Further evolution of the fusion of design and technology. Proposing a beautiful, high-quality restroom space.



% The contents of this report have been approved by our TOTO.





# 4. Appendix

# 4-1. Financial results by segment ① **NSSHNBO**

	2021	年度			当	期				2022	2年度	
無線・通信	21/2	12期	21/12期 2	Q(組替後)	22/12	.期 2Q	前期組	替後比	22/12期	予想(2/9)	22/12期予	苑(8/10)
無称・世信	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益
マリンシステム	33,227	791	16,166	329	16,551	470	385	141	36,000	1,200	36,000	1,200
ソリューション・特機	71,254	5,557	40,940	4,993	39,617	4,689	-1,323	-304	76,000	5,000	76,000	5,000
ICT・メカトロニクス	23,726	128	11,683	435	10,585	19	-1,098	-416	25,000	700	25,000	700
医用機器	7,794	102	3,988	-39	3,408	194	-580	233	9,000	500	9,000	500
その他事業	4,613	788	2,093	443	1,937	85	-156	-358	4,000	500	4,000	500
モビリティ(JRCモビリティ)	17,494	610	7,595	-44	6,776	-360	-819	-316	18,000	300	18,000	300
消去·退職給付修正等	-3,024	-162	-1,267	-85	-1,389	-77	-122	8	-3,000	-200	-3,000	-200
合計	155,084	7,814	81,200	6,034	77,487	5,021	-3,713	-1,013	165,000	8,000	165,000	8,000
マイクロデバイス	21/2	12期	21/12期 2	21/12期 2Q(組替後) 22/12期 2Q		前期組替後比		22/12期	予想(2/9)	22/12期予	•想(8/10)	
	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益
日清紡マイクロデバイス(旧新日本無線)	51,072	2,864	24,514	2,002	41,687	4,691	17,173	2,689	82,000	4,500	82,000	7,000
(旧 リコー電子デバイス)	28,014	1,698	13,231	381	-	-	-13,231	-381	-	-	-	-
消去・のれん償却費等	-1,713	-271	-794	-143	-616	-109	178	34	-	-	-	-
合計	77,373	4,291	36,951	2,240	41,071	4,582	4,119	2,341	82,000	4,500	82,000	7,000
ブレーキ	21/3	12期	21/12期 2	Q(組替後)	22/12	.期 2Q	前期組	替後比	22/12期音	予想(2/9)	22/12期予	,想(8/10)
<i>JV</i> - <del>7</del>	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益
日清紡ブレーキ(国内・海外)	49,048	3,202	24,910	2,249	26,775	1,182	1,865	-1,067	56,000	3,700	56,000	3,500
TMD	94,072	366	46,617	1,226	51,983	-3,160	5,366	-4,386	92,000	800	95,000	-1,000
消去等	-4,825	-10	-2,317	31	-3,233	-187	-916	-218	-5,000	0	-5,000	0
合計	138,295	3,558	69,210	3,506	75,525	-2,165	6,315	-5,672	143,000	4,500	146,000	2,500

# 4-2. Financial results by segment <sup>(2)</sup> Nisshingo

精密機器	21/12期			
相當機器	売上高	営業利益		
精密部品	15,891	223		
成形品	44,038	1,306		
消去等	-4,161	-814		
合計	55,768	715		

		当	期			
21/12期 2	Q(組替後)	22/12	期 2Q	前期組替後比		
売上高	営業利益	売上高	営業利益	売上高	営業利益	
5,617	156	7,013	-51	1,396	-207	
20,301	981	19,809	406	-492	-575	
-1,720	-398	-2,365	-431	-645	-33	
24,198	739	24,457	-76	258	-816	

2022年度							
22/12期	予想(2/9)	22/12期予想(8/10)					
売上高	営業利益	売上高	営業利益				
18,000	18,000 1,100		400				
39,000	1,700	38,000	900				
-4,000	-800	-4,000	-800				
53,000	2,000	50,000	500				

化学品	21/12期				
10 <del>-7</del> m	売上高	営業利益			
環境・エネルギー関連製品(※)	9,601	1,697			
カーボン他	1,730	358			
消去等	-248	-1			
合計	11,083	2,054			

21/12期 2	Q(組替後)	22/12	期 2Q	前期組替後比			
売上高	営業利益	売上高	営業利益	売上高	営業利益		
4,629	775	5,217	920	588	145		
762	149	1,000	243	238	94		
-105	-1	-152	0	-47	1		
5,286	923	6,065	1,163	779	239		

22/12期音	予想(2/9)	22/12期予想(8/10)				
売上高	営業利益	売上高	営業利益			
10,500	1,800	10,500	1,800			
2,100	600	2,100	600			
-100	0	-100	0			
12,500	2,400	12,500	2,400			

※燃料電池セパレータ、カルボジライト、断熱材

絨維	21/12期		21/12期:	21/12期 2Q(組替後)		22/12期 2Q		前期組替後比		22/12期予想(2/9)		22/12期予想(8/10)	
	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	
日本	27,651	-1,269	11,623	-585	13,432	-366	1,809	219	30,700	100	30,700	-200	
海外	17,075	213	7,793	-16	10,950	152	3,157	168	19,200	500	19,200	500	
消去等	-10,248	34	-4,445	60	-6,232	-93	-1,787	-153	-13,900	0	-13,900	0	
合計	34,478	-1,022	14,971	-541	18,150	-307	3,179	234	36,000	600	36,000	300	

# 4-3. Financial results by segment ③ Nisshinbo

					当	期	2022年度						
不動産	21/12期		21/12期 2	21/12期 2Q(組替後)		22/12期 2Q		前期組替後比		22/12期予想(2/9)		22/12期予想(8/10)	
	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	
合計	15,584	9,388	12,566	7,966	8,721	7,277	-3,844	-688	10,500	7,500	10,500	8,000	
その他・全社費用等	21/12期		21/12期 2	21/12期 2Q(組替後)		22/12期 2Q		前期組替後比		22/12期予想(2/9)		22/12期予想(8/10)	
	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	
その他事業	22,974	133	4,423	135	5,384	246	961	111	11,000	-500	11,000	300	
全社費用	-	-5,144	-	-2,539	-	-2,778	0	-239	-	-6,000	-	-6,000	
合計	22,974	-5,011	4,423	-2,404	5,384	-2,531	961	-126	11,000	-6,500	11,000	-5,700	
全社合計	21/2	12期	21/12期 2	Q(組替後)	22/12期 2Q		前期組替後比		22/12期予想(2/9)		22/12期予想(8/10)		
	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	売上高	営業利益	

256,865

12,962

8,056

-5,501

513,000

23,000

513,000

23,000

合計

510,643

21,788

248,808

18,464

### NISH: Nisshinbo Holdings Inc.

#### Consolidated subsidiaries of NISH.

- JRC: Japan Radio Co., Ltd.
- NISD: Nisshinbo Micro Devices Inc.
- NISB: Nisshinbo Brake Inc.
- NISM: Nisshinbo Mechatronics Inc.
- NISC: Nisshinbo Chemical Inc.
- NIST: Nisshinbo Textile Inc.

This document contains forecasts of performance and other projections based on information currently available and certain assumptions judged by Nisshinbo to be reasonable. Actual performance may materially differ from these projections as a result of changes in the economic environment and other risks and uncertainties. **NSSHNBO**