



Announcement of Business Results for the 2Q and Six Months Ended September 30, 2022

**November 8, 2022
Toray Industries, Inc.**

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**I. Consolidated Business Results for the
2Q and Six Months Ended September 30, 2022**

Summary of Consolidated Business Results for the 2Q and Six Months Ended September 30, 2022

Billion yen

	FY Mar/22 2Q (Jul.-Sept.)	FY Mar/23 2Q (Jul.-Sept.)	Changes	FY Mar/22 Six Months (Apr.-Sept.)	FY Mar/23 Six Months (Apr.-Sept.)	Changes
Revenue	549.3	655.9	+106.6 (+19.4%)	1,063.0	1,261.8	+198.8 (+18.7%)
Core Operating Income	34.1	27.3	-6.8 (-19.8%)	70.2	54.4	-15.8 (-22.5%)
(Core Operating Margin)	6.2%	4.2%	-2.0 points	6.6%	4.3%	-2.3 points
Special Items	▲ 1.0	▲ 4.4	-3.4	▲ 1.2	19.4	+20.6
Financial Income and Costs	▲ 0.3	▲ 0.6	-0.3	0.5	1.6	+1.1
Share of Profit of Investments Accounted for using Equity Method	7.4	5.4	-2.0	11.7	9.5	-2.2
Profit before Tax	40.3	27.8	-12.5 (-31.1%)	81.2	85.0	+3.8 (+4.6%)
Profit Attributable to Owners of Parent	31.2	19.2	-12.0 (-38.5%)	60.9	59.1	-1.8 (-3.0%)

Exchange Rate		(FY Mar/22 2Q)	(FY Mar/23 2Q)	(FY Mar/22 Six Months)	(FY Mar/23 Six Months)
<Yen / US\$>	Average	110.1	138.4	109.8	134.0
	End of the Term	111.9	144.8		
<Yen / Euro>	Average	129.8	139.3	130.9	138.7
	End of the Term	129.9	142.3		

Special Items

Billion yen

	FY Mar/22 2Q (Jul.-Sept.)	FY Mar/23 2Q (Jul.-Sept.)	Changes	FY Mar/22 Six Months (Apr.-Sept.)	FY Mar/23 Six Months (Apr.-Sept.)	Changes
Gain on Sale or Disposal of Fixed Assets	0.1	0.1	-0.0	0.5	0.2	-0.3
Gain on Loss of Control of Subsidiaries*1	-	-	-	-	25.1	+25.1
Loss on Sale or Disposal of Fixed Assets	▲ 0.8	▲ 0.9	-0.1	▲ 1.4	▲ 1.4	-0.0
Impairment Losses	▲ 0.3	▲ 0.2	+0.1	▲ 0.3	▲ 1.1	-0.8
Provision for Product Warranties*2	-	▲ 3.5	-3.5	-	▲ 3.5	-3.5
Other	-	0.0	+0.0	-	0.0	+0.0
Special Items	▲ 1.0	▲ 4.4	-3.4	▲ 1.2	19.4	+20.6

*1 Gain on revaluation of investment resulting from establishment of the joint venture LG Toray Hungary Battery Separator Kft. with LG Chem, Ltd. (LG Chem). In this joint venture, LG Chem made an investment in Toray Industries Hungary Kft., which manufactures and sells separator film for rechargeable lithium-ion batteries in Hungary.

*2 Costs expected to be required in the future for the replacement or repair of products that may be defective among some products for industrial applications that the Company has manufactured and sold in the past in the Carbon Fiber Composite Materials Business.

Assets, Liabilities, Equity, and Free Cash Flow

Billion yen

	End of Mar/22	End of Sept/22	Changes
Total Assets	3,043.9	3,320.9	+277.0
Current Assets	1,373.2	1,508.0	+134.7
Property, Plant and Equipment	990.7	1,023.6	+32.9
Other Non-current Assets	679.9	789.3	+109.4
Total Liabilities	1,544.2	1,660.8	+116.6
Current Liabilities	741.1	834.3	+93.2
Non-current Liabilities	803.2	826.6	+23.4
Equity	1,499.6	1,660.1	+160.5
Owner's Equity *	1,405.6	1,562.0	+156.4
Equity Ratio *	46.2%	47.0%	+0.9points
Interest-bearing Liabilities	935.7	1,014.6	+78.9
D/E Ratio	0.67	0.65	-0.02

<Free Cash Flow>

	FY Mar/22 Six Months (Apr.-Sept.)	FY Mar/23 Six Months (Apr.-Sept.)	Changes
Cash Flows from Operating Activities	59.4	19.9	-39.6
Cash Flows from Investment Activities	▲ 10.0	▲ 47.8	-37.8
Free Cash Flow	49.4	▲ 28.0	-77.3

* Owner's Equity = Equity attributable to owners of parent

Capital Expenditures, Depreciation and Amortization, and R&D Expenditures

Billion yen

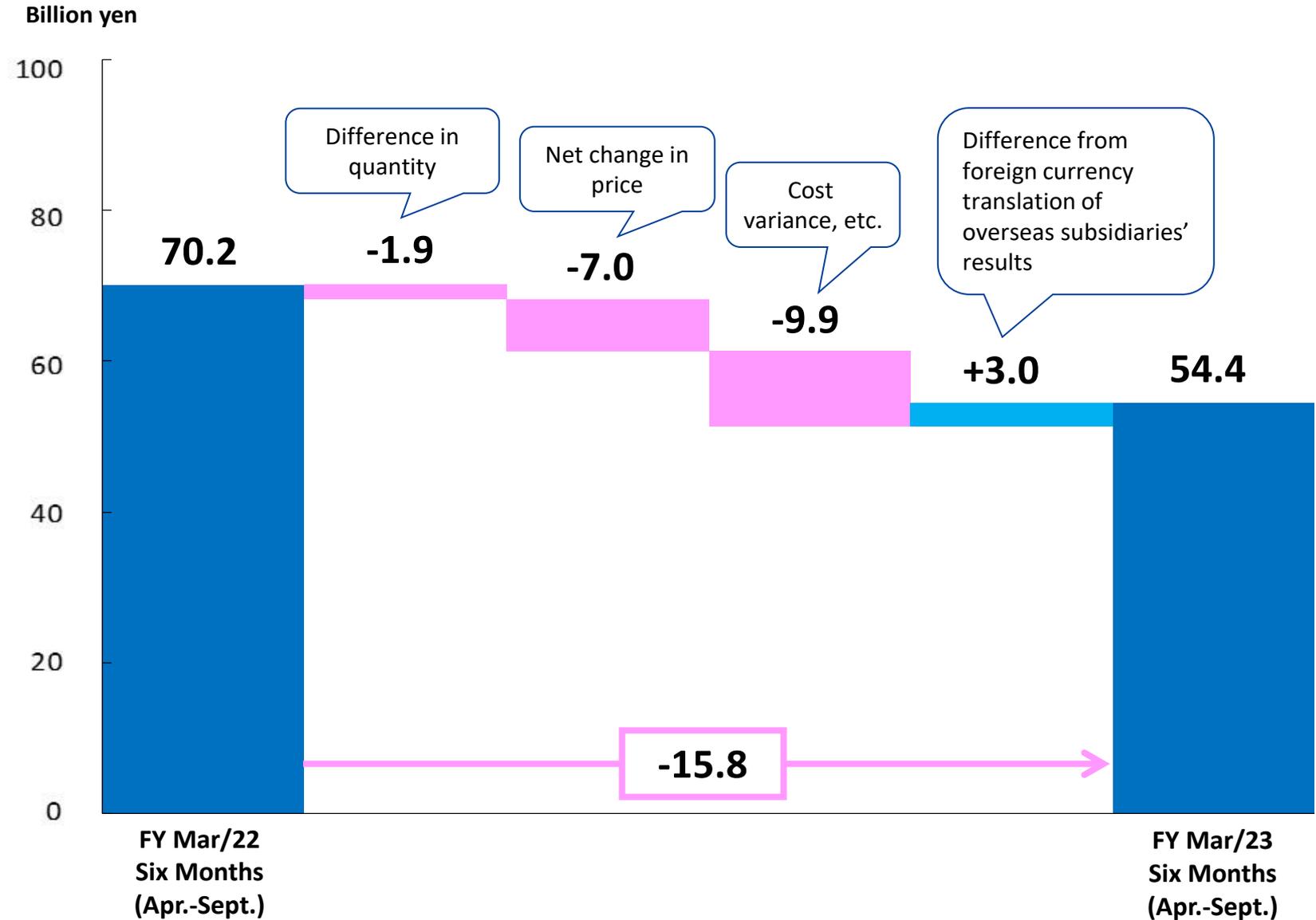
	FY Mar/22 Six Months (Apr.-Sept.)	FY Mar/23 Six Months (Apr.-Sept.)	Changes
Capital Expenditures	40.9	42.4	+1.5
Toray	10.0	12.2	+2.2
Consolidated Subsidiaries	30.9	30.2	-0.6
Depreciation and Amortization	61.1	64.9	+3.8
Toray	19.6	17.5	-2.1
Consolidated Subsidiaries	41.6	47.4	+5.8
R&D Expenditures	29.6	33.0	+3.4
Toray	21.9	23.7	+1.8
Consolidated Subsidiaries	7.7	9.3	+1.5

Major Capital Expenditure Projects

Zoltek Companies, Inc.

: Carbon fiber production facilities

Core Operating Income Variance Factor Analysis



Revenue and Core Operating Income by Segment

Billion yen

		FY Mar/22 2Q (Jul.-Sept.)	FY Mar/23 2Q (Jul.-Sept.)	Changes		FY Mar/22 Six Months (Apr.-Sept.)	FY Mar/23 Six Months (Apr.-Sept.)	Changes	
Revenue	Fibers & Textiles	217.4	283.2	+65.9	(+30.3%)	401.5	509.0	+107.5	(+26.8%)
	Performance Chemicals	221.9	228.3	+6.4	(+2.9%)	444.5	473.3	+28.8	(+6.5%)
	Carbon Fiber Composite Materials	50.4	71.4	+21.0	(+41.6%)	98.9	140.0	+41.0	(+41.5%)
	Environment & Engineering	42.2	55.3	+13.1	(+31.1%)	85.9	106.1	+20.2	(+23.5%)
	Life Science	13.6	13.6	-0.1	(-0.6%)	25.1	25.9	+0.8	(+3.1%)
	Other	3.8	4.1	+0.3	(+8.1%)	7.0	7.5	+0.5	(+7.2%)
	Total	549.3	655.9	+106.6	(+19.4%)	1,063.0	1,261.8	+198.8	(+18.7%)
Core Operating Income	Fibers & Textiles	12.6	15.2	+2.6	(+20.9%)	24.3	23.9	-0.4	(-1.8%)
	Performance Chemicals	24.3	8.2	-16.1	(-66.3%)	52.2	25.1	-27.2	(-52.0%)
	Carbon Fiber Composite Materials	▲ 1.6	3.2	+4.7	(-)	▲ 3.6	5.6	+9.2	(-)
	Environment & Engineering	2.7	4.8	+2.1	(+78.5%)	6.1	8.3	+2.2	(+35.8%)
	Life Science	0.9	0.3	-0.7	(-73.2%)	1.1	0.3	-0.8	(-69.0%)
	Other	0.5	0.7	+0.1	(+21.4%)	0.7	1.0	+0.3	(+38.6%)
	Reconciliations	▲ 5.4	▲ 5.0	+0.5		▲ 10.7	▲ 9.8	+0.9	
Total	34.1	27.3	-6.8	(-19.8%)	70.2	54.4	-15.8	(-22.5%)	

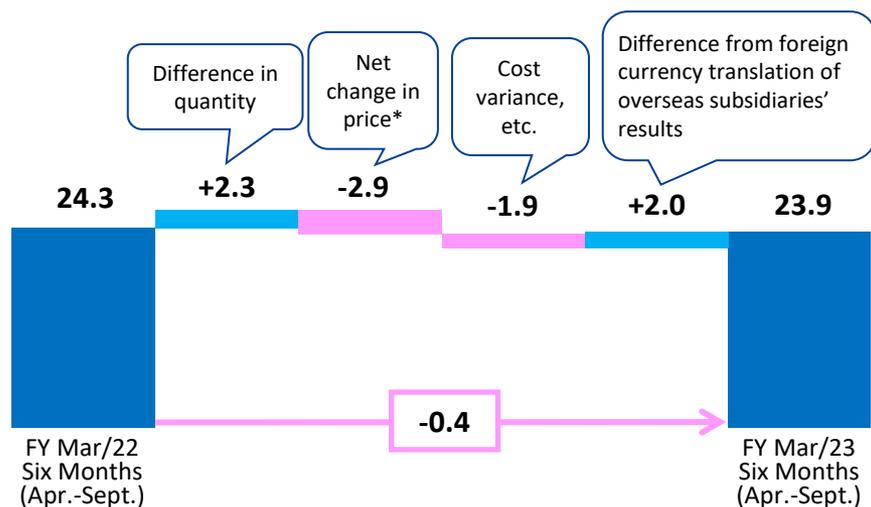
Business Results by Segment (Fibers & Textiles)

Billion yen

		FY Mar/22 Six Months (Apr.-Sept.)	FY Mar/23 Six Months (Apr.-Sept.)	Changes
Revenue	Toray	85.7	104.7	+18.9 (+22.1%)
	Japanese Subsidiaries	202.4	252.1	+49.7 (+24.6%)
	Overseas Subsidiaries	268.3	353.3	+85.0 (+31.7%)
	Adjustments	▲ 154.9	▲ 201.0	-46.1
	Total	401.5	509.0	+107.5 (+26.8%)
Core Operating Income	Toray	6.1	8.3	+2.2 (+36.3%)
	Japanese Subsidiaries	5.3	4.5	-0.8 (-14.9%)
	Overseas Subsidiaries	14.8	11.7	-3.1 (-20.8%)
	Adjustments	▲ 1.8	▲ 0.6	+1.2
	Total	24.3	23.9	-0.4 (-1.8%)

Changes in Core Operating Income

Billion yen



* Difference in selling price and raw materials' cost and fuel prices of petrochemical-based products, etc. (net)

<Business Performance>

■ General

Almost all applications and regions were affected by the soaring costs of raw materials and fuels as well as transportation. While apparel applications saw a recovery from the pandemic, hygiene material applications were sluggish, as the supply-demand balance worsened. Industrial applications witnessed a decrease in demand due to the decline in automobile production volume.

<Topics>

▪ Sept. 2022:

Created a spunbond nonwoven fabric that is persistently hydrophilic and is gentle on the skin. Since this fabric has the feature that hydrophilicity does not deteriorate even if water flow is repeated, it is suitable for applications that come into contact with the skin, such as disposable diapers, masks, and feminine hygiene products. Plan to start full-scale production after establishing a mass production system.

▪ Sept. 2022:

Toray Textiles Central Europe s.r.o. set up a new facility in the Czech Republic for the production of Airlite™, automotive interior sound acoustic insulation material. This material enhances passenger comfort by suppressing noise from driving, vibrations, and outside vehicles. This new facility started operation in October, with an annual production capacity of 1,200 metric tons.

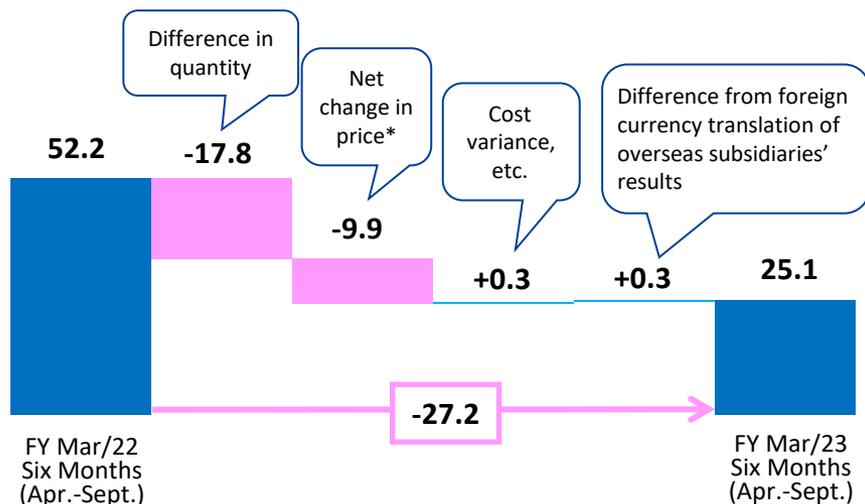
Business Results by Segment (Performance Chemicals)

Billion yen

		FY Mar/22 Six Months (Apr.-Sept.)	FY Mar/23 Six Months (Apr.-Sept.)	Changes	
Revenue	Toray	128.5	131.9	+3.4	(+2.6%)
	Japanese Subsidiaries	236.5	277.4	+40.9	(+17.3%)
	Overseas Subsidiaries	302.0	292.8	-9.2	(-3.1%)
	Adjustments	▲ 222.6	▲ 228.9	-6.3	
	Total	444.5	473.3	+28.8	(+6.5%)
Core Operating Income	Toray	15.0	9.3	-5.7	(-37.8%)
	Japanese Subsidiaries	10.7	12.3	+1.6	(+14.8%)
	Overseas Subsidiaries	26.6	2.7	-23.9	(-89.8%)
	Adjustments	▲ 0.1	0.8	+0.8	
	Total	52.2	25.1	-27.2	(-52.0%)

Changes in Core Operating Income

Billion yen



* Difference in selling price and raw materials' cost and fuel prices of petrochemical-based products, etc. (net)

<Business Performance>

■ General

Affected by the soaring raw material and fuel prices.

■ Resins Business

Weak given the slow recovery in domestic automobile production and a decline in demand in China.

■ Chemicals Business

Fine chemicals performed strongly.

■ Films Business

Polyester films were affected by customers' inventory adjustment of optical applications and electronic parts.

■ Electronic & Information Business

Demand for OLED-related materials and circuit materials decreased.

<Topics>

• Aug. 2022:

Developed a new grade of Torayfan™ biaxially oriented polypropylene (OPP) for food packaging applications which has excellent gas barrier properties. The new film offers triple the gas barrier properties of regular OPP counterparts. This enables high gas barrier food packaging with a polypropylene (PP) mono-material composition. It could help cut carbon dioxide emissions by expanding the recycling loop of film manufacturing, usage by consumers and reproduction of a new film.

• Sept. 2022:

Opened the Toray Singapore Research Center. The new facility engages in electronic information materials R&D and provides technical support in Southeast Asia. Toray Group intends to strengthen its global R&D capabilities, with the collaboration of the research centers in Singapore, Japan, Korea, and China.

Breakdown of Performance Chemicals Segment

Billion yen

	FY Mar/22 Six Months (Apr.-Sept.)		FY Mar/23 Six Months (Apr.-Sept.)		
	Revenue	Ratio	Revenue	Ratio	Changes
Resins, Chemicals	208.9	31%	212.3	30%	+2%
Films	166.3	25%	170.2	24%	+2%
Electronic & Information Materials	38.6	6%	28.9	4%	-25%
Trading, Other	253.3	38%	290.7	41%	+15%
Adjustments	▲ 222.6	-	▲ 228.9	-	-
Total	444.5		473.3		+6%

Business Results by Segment (Carbon Fiber Composite Materials)

Billion yen

		FY Mar/22 Six Months (Apr.-Sept.)	FY Mar/23 Six Months (Apr.-Sept.)	Changes
Revenue	Toray	32.5	41.7	+9.1 (+28.0%)
	Japanese Subsidiaries	24.2	33.2	+9.0 (+37.3%)
	Overseas Subsidiaries	87.2	129.7	+42.5 (+48.7%)
	Adjustments	▲ 45.0	▲ 64.6	-19.6
	Total	98.9	140.0	+41.0 (+41.5%)
Core Operating Income	Toray	▲ 0.8	5.4	+6.2 (-)
	Japanese Subsidiaries	0.4	0.7	+0.3 (+75.9%)
	Overseas Subsidiaries	▲ 1.3	2.7	+4.0 (-)
	Adjustments	▲ 1.9	▲ 3.1	-1.3
	Total	▲ 3.6	5.6	+9.2 (-)

<Business Performance>

■ General

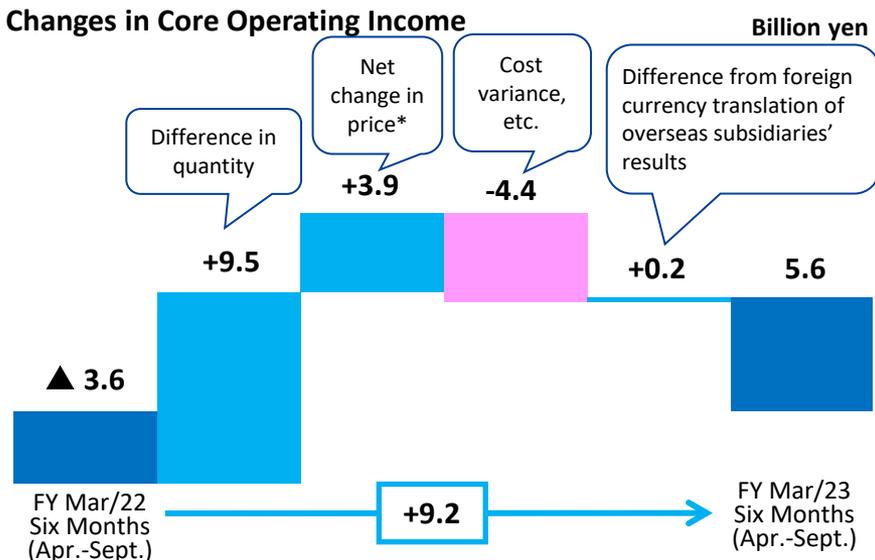
While the segment was affected by the increase in raw material and fuel prices and the decline in the production rate of commercial aircraft in the aerospace applications, the sales of wind turbine blades and pressure vessels in the industrial applications expanded. There was also growth in the sports applications. In addition, the segment went forward with passing on the rise in raw material and fuel prices to the sales price.

<Topics>

▪ Jul. 2022:

Received the Sankei Shimbun Award at the 35th Advanced Technology Award, in recognition of our efforts in research and development of CFRF (Carbon Fiber Reinforced Foam), an ultra-lightweight innovative composite material.

Changes in Core Operating Income



* Difference in selling price and raw materials' cost and fuel prices of petrochemical-based products, etc. (net)

Breakdown of Carbon Fiber Composite Materials Segment

Billion yen

	FY Mar/22 Six Months (Apr.-Sept.)		FY Mar/23 Six Months (Apr.-Sept.)		
	Revenue	Ratio	Revenue	Ratio	Changes
Aerospace	20.2	20%	25.7	18%	+27%
Sports	12.2	12%	19.7	14%	+61%
Industrial	66.5	67%	94.6	68%	+42%
Total	98.9		140.0		+41%

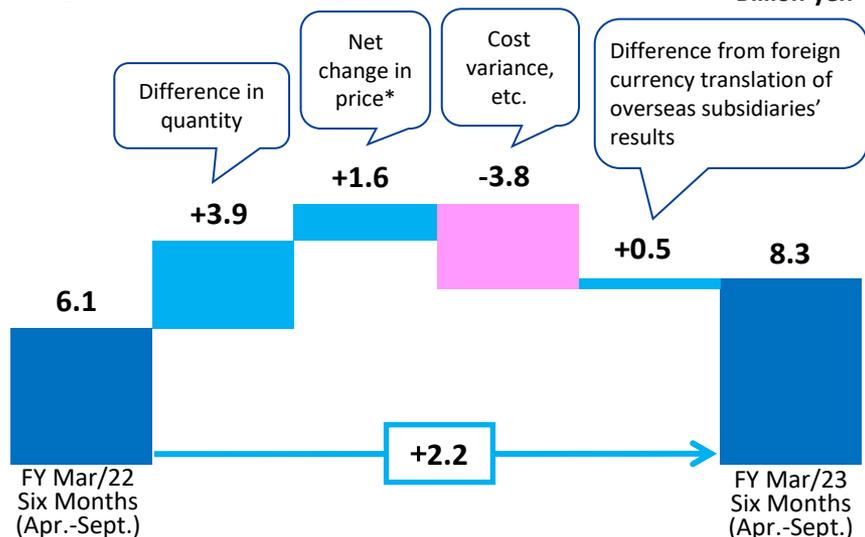
Business Results by Segment (Environment & Engineering)

Billion yen

		FY Mar/22 Six Months (Apr.-Sept.)	FY Mar/23 Six Months (Apr.-Sept.)	Changes
Revenue	Toray	16.1	17.8	+1.7 (+10.3%)
	Japanese Subsidiaries	88.6	99.7	+11.1 (+12.5%)
	Overseas Subsidiaries	20.1	31.3	+11.1 (+55.3%)
	Adjustments	▲ 39.0	▲ 42.7	-3.7
	Total	85.9	106.1	+20.2 (+23.5%)
Core Operating Income	Toray	0.5	1.1	+0.7 (+146.0%)
	Japanese Subsidiaries	2.4	2.7	+0.4 (+15.2%)
	Overseas Subsidiaries	3.4	4.7	+1.4 (+40.5%)
	Adjustments	▲ 0.1	▲ 0.3	-0.2
	Total	6.1	8.3	+2.2 (+35.8%)

Changes in Core Operating Income

Billion yen



*Difference in selling price and price change of products less subject to price effect of petrochemical-based raw materials (net)

<Business Performance>

■ Water Treatment

Demand for reverse osmosis membranes and other products grew strongly and facilities that newly started operations contributed to the performance.

■ Japanese Subsidiaries

An engineering subsidiary experienced increases in the shipment of lithium-ion secondary battery-related equipment.

<Topics>

• Jul. 2022:

The advanced facility at the Yindingzhuang Wastewater Treatment Plant in Baoding City, Hebei Province, China, employed Toray's hollow fiber ultrafiltration membrane modules, and started operation in July. This facility is one of the largest in China using such modules, with a daily treatment capacity of 315,000 cubic meters.

• Sept. 2022:

Opened the Toray India Water Research Center in Chennai, India. The center will step up R&D into applications for its water-treatment membrane technology to help India meet surging treatment demand in the years ahead and overcome water shortages.

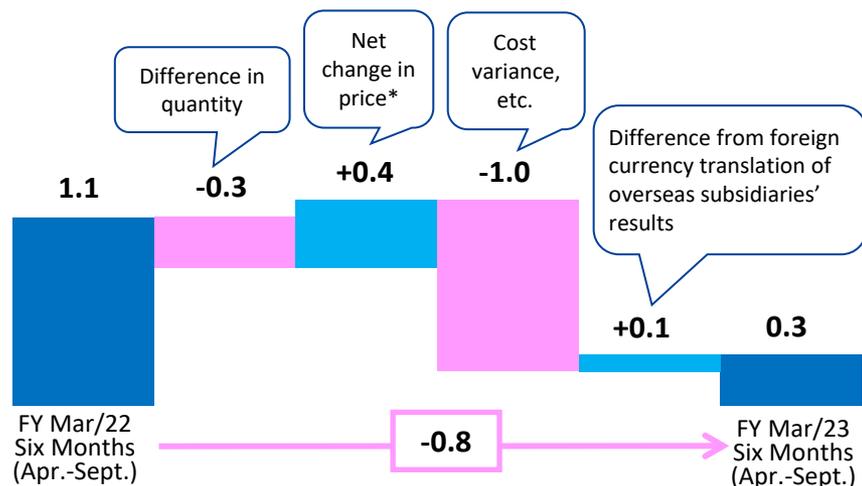
Business Results by Segment (Life Science)

Billion yen

		FY Mar/22 Six Months (Apr.-Sept.)	FY Mar/23 Six Months (Apr.-Sept.)	Changes	
Revenue	Toray	11.4	12.0	+0.6	(+5.3%)
	Japanese Subsidiaries	20.4	20.8	+0.4	(+2.0%)
	Overseas Subsidiaries	6.0	8.1	+2.1	(+35.4%)
	Adjustments	▲ 12.7	▲ 15.1	-2.3	
	Total	25.1	25.9	+0.8	(+3.1%)
Core Operating Income	Toray	▲ 0.3	▲ 1.2	-0.9	(-)
	Japanese Subsidiaries	1.2	0.9	-0.3	(-24.4%)
	Overseas Subsidiaries	0.3	0.4	+0.1	(+35.3%)
	Adjustments	▲ 0.1	0.2	+0.3	
	Total	1.1	0.3	-0.8	(-69.0%)

Changes in Core Operating Income

Billion yen



* Difference in selling price and price change of products less subject to price effect of petrochemical-based raw materials (net)

<Business Performance>

■ Pharmaceutical Business

Sales of pruritus treatment REMITCH®* were affected by the introduction of its generic versions as well as by a NHI drug price revision.

■ Medical Devices Business

Shipment of dialyzers for hemodiafiltration grew strongly in Japan, but the business was affected by the soaring prices of raw materials and fuels.

*REMITCH® is a registered trademark of Torii Pharmaceutical Co., Ltd.

<Topics>

- Announced in Sept. 2022: Filed a manufacturing and marketing approval with the Ministry of Health, Labour and Welfare for an in vitro diagnostic test to measure apolipoprotein A2 (APOA2) isoform concentrations in blood of pancreatic cancer patients.
- Announced in Sept. 2022: Received approval from China's National Medical Products Administration (NMPA) for Careload® tablets to treat pulmonary arterial hypertension. Careload® is a proprietary orally administered sustained-release formulation of beraprost sodium, a derivative of prostacyclin (PGI₂), discovered by Toray.

Results of Major Subsidiaries and Regions

Billion yen

	Revenue			Core Operating Income		
	FY Mar/22 Six Months (Apr.-Sept.)	FY Mar/23 Six Months (Apr.-Sept.)	Changes	FY Mar/22 Six Months (Apr.-Sept.)	FY Mar/23 Six Months (Apr.-Sept.)	Changes
Toray International, Inc.	273.3	326.5	+53.2	5.9	6.9	+0.9
Toray Engineering Co., Ltd.	41.0	53.1	+12.1	1.1	2.1	+1.0
Toray Construction Co., Ltd.	16.7	14.6	-2.1	0.2	▲ 0.5	-0.7
Toray Advanced Film Co., Ltd.	18.9	20.5	+1.6	1.8	1.7	-0.1

Subsidiaries in Southeast Asia	Fibers & Textiles	61.5	86.8	+25.3	1.1	1.7	+0.7
	Performance Chemicals	63.4	54.4	-9.0	12.6	▲ 1.3	-13.9
	Other	0.3	0.3	+0.0	0.0	0.0	+0.0
	Total	125.2	141.5	+16.3	13.7	0.5	-13.2

Subsidiaries in China	Fibers & Textiles	124.5	155.4	+30.9	10.6	11.0	+0.5
	Performance Chemicals	59.8	56.9	-2.9	3.4	4.9	+1.6
	Other	19.5	27.3	+7.9	1.8	2.7	+0.9
	Total	203.8	239.6	+35.9	15.7	18.7	+3.0

Subsidiaries in the Republic of Korea	Fibers & Textiles	46.7	55.5	+8.7	2.6	▲ 0.9	-3.5
	Performance Chemicals	77.4	70.2	-7.3	10.1	0.1	-10.0
	Other	15.7	21.0	+5.3	1.9	3.6	+1.7
	Total	139.8	146.6	+6.8	14.6	2.8	-11.7

II. Business Forecast for the Fiscal Year Ending March 2023 (Consolidated Basis)

Forecast Summary for the Fiscal Year Ending March 2023

Assumptions for the business forecast

The global economy, including Japan, is expected to slow down during this year due to increased inflationary pressure caused by soaring raw material and fuel prices and interest rate hikes mainly in the U.S. and Europe. In addition, China's continuation of zero-COVID policy and the confusion in the real estate market may exert downward pressure on the global economy. Other concerns include supply restrictions caused by parts and labor shortage, prolonged Ukrainian situation, and a disruption in financial markets.

Billion yen

		FY Mar/22 Actual	FY Mar/23 Forecast	Changes		Aug. 9 Forecast	Difference from Aug. 9 Forecast
Revenue	1st Half	1,063.0	1,261.8	+198.8	(+18.7%)	1,250.0	+11.8
	2nd Half	1,165.5	1,338.2	+172.7	(+14.8%)	1,375.0	-36.8
	Total	2,228.5	2,600.0	+371.5	(+16.7%)	2,625.0	-25.0
Core Operating Income	1st Half	70.2	54.4	-15.8	(-22.5%)	60.0	-5.6
	2nd Half	61.9	75.6	+13.7	(+22.1%)	80.0	-4.4
	Total	132.1	130.0	-2.1	(-1.6%)	140.0	-10.0
Profit Attributable to Owners of Parent	1st Half	60.9	59.1	-1.8	(-3.0%)	58.0	+1.1
	2nd Half	23.3	35.9	+12.6	(+54.0%)	42.0	-6.1
	Total	84.2	95.0	+10.8	(+12.8%)	100.0	-5.0

Basic Earnings per Share	1st Half	38.06 yen	36.92 yen
	2nd Half	14.56 yen	22.42 yen
	Total	52.63 yen	59.34 yen
Dividend per Share	1st Half	8.00 yen	9.00 yen
	2nd Half	8.00 yen	9.00 yen
	Total	16.00 yen	18.00 yen
Dividend Payout Ratio	Total	30%	30%

Assumed exchange rate
(from October)
135 yen / US\$

Forecast by Segment

Billion yen

		FY Mar/22 Actual			FY Mar/23 Forecast			Changes			Difference from Aug.9 Forecast		
		1st Half	2nd Half	Total	1st Half	2nd Half	Total	1st Half	2nd Half	Total	1st Half	2nd Half	Total
Revenue	Fibers & Textiles	401.5	434.7	836.2	509.0	508.0	1,017.0	+107.5	+73.3	+180.8	+19.0	+7.0	+26.0
	Performance Chemicals	444.5	465.5	910.0	473.3	521.7	995.0	+28.8	+56.2	+85.0	-15.7	-41.3	-57.0
	Carbon Fiber Composite Materials	98.9	116.3	215.2	140.0	142.0	282.0	+41.0	+25.7	+66.8	+5.0	-1.0	+4.0
	Environment & Engineering	85.9	113.4	199.3	106.1	128.9	235.0	+20.2	+15.6	+35.7	+3.1	-1.1	+2.0
	Life Science	25.1	26.9	52.0	25.9	29.1	55.0	+0.8	+2.3	+3.0	-0.1	+0.1	—
	Others	7.0	8.9	15.9	7.5	8.5	16.0	+0.5	-0.4	+0.1	+0.5	-0.5	—
	Consolidated	1,063.0	1,165.5	2,228.5	1,261.8	1,338.2	2,600.0	+198.8	+172.7	+371.5	+11.8	-36.8	-25.0
Core Operating Income	Fibers & Textiles	24.3	17.9	42.2	23.9	30.1	54.0	-0.4	+12.3	+11.8	-0.1	+1.1	+1.0
	Performance Chemicals	52.2	38.7	91.0	25.1	39.9	65.0	-27.2	+1.2	-26.0	-8.9	-9.6	-18.5
	Carbon Fiber Composite Materials	▲ 3.6	5.2	1.6	5.6	8.4	14.0	+9.2	+3.2	+12.4	+0.1	+1.4	+1.5
	Environment & Engineering	6.1	10.5	16.5	8.3	14.2	22.5	+2.2	+3.8	+6.0	+1.3	+1.7	+3.0
	Life Science	1.1	0.3	1.4	0.3	0.2	0.5	-0.8	-0.1	-0.9	+0.3	+0.2	+0.5
	Others	0.7	2.3	3.0	1.0	1.0	2.0	+0.3	-1.3	-1.0	+1.0	-0.0	+1.0
	Reconciliations	▲ 10.7	▲ 12.9	▲ 23.6	▲ 9.8	▲ 18.2	▲ 28.0	+0.9	-5.3	-4.4	+0.7	+0.8	+1.5
	Consolidated	70.2	61.9	132.1	54.4	75.6	130.0	-15.8	+13.7	-2.1	-5.6	-4.4	-10.0

Comparison of Core Operating Income (Aug. 9 vs. New) by Segment

Segments	Full-year Core Operating Income Forecast (Billion yen) Aug. 9 → New () difference	Variance Factors
Fibers & Textiles	53.0 → 54.0 (+ 1.0)	<ul style="list-style-type: none"> • In the apparel applications, demand for outdoor and sports applications is expected to be strong. • Expect to be affected by soaring raw material and fuel prices and logistics costs, but will continue efforts in passing on the price increase to the sales price and cost reduction.
Performance Chemicals	83.5 → 65.0 (- 18.5)	<ul style="list-style-type: none"> • In the resins business, expect the sales volume and spread of ABS resins to decrease from decline in demand in China, resulting in decrease in core operating income compared to the previous forecast. • In the films and electronic & information business, expect customers' inventory adjustment to continue through 3Q due to deterioration of display market conditions.
Carbon Fiber Composite Materials	12.5 → 14.0 (+ 1.5)	<ul style="list-style-type: none"> • Expect negative impact from the increase in utility costs in the European subsidiaries, but expect positive impact from weaker Yen and lower raw material prices. • Expect partial recovery of the production rate of major customer in the aircraft application.
Environment & Engineering	19.5 → 22.5 (+ 3.0)	<ul style="list-style-type: none"> • In the water treatment business, expect shipment to decrease in some regions due to economic downturn and decline in economic activities, but expect shipment for large-scale projects in the Middle East to be strong. In addition, expect positive impact in core operating income from weaker Yen.
Life Science	0.0 → 0.5 (+ 0.5)	<ul style="list-style-type: none"> • Expect to be affected by soaring raw material and fuel prices, but will expand sales of dialysis machines and pursue reduction in operating expenses.
Other	1.0 → 2.0 (+ 1.0)	
Reconciliations	▲ 29.5 → ▲ 28.0 (+ 1.5)	
Total	140.0 → 130.0 (- 10.0)	

III. Reference

Quarterly Revenue by Segment

Billion yen

	FY Mar/22					FY Mar/23	
	1Q	2Q	3Q	4Q	Total	1Q	2Q
Fibers & Textiles	184.2	217.4	230.1	204.6	836.2	225.8	283.2
Performance Chemicals	222.6	221.9	233.6	231.9	910.0	245.0	228.3
Carbon Fiber Composite Materials	48.5	50.4	54.2	62.0	215.2	68.6	71.4
Environment & Engineering	43.7	42.2	48.7	64.7	199.3	50.7	55.3
Life Science	11.5	13.6	13.5	13.4	52.0	12.3	13.6
Other	3.2	3.8	3.8	5.1	15.9	3.4	4.1
Consolidated	513.7	549.3	583.9	581.7	2,228.5	605.9	655.9

Quarterly Core Operating Income by Segment

Billion yen

	FY Mar/22					FY Mar/23	
	1Q	2Q	3Q	4Q	Total	1Q	2Q
Fibers & Textiles	11.8	12.6	11.1	6.7	42.2	8.7	15.2
Performance Chemicals	27.9	24.3	22.4	16.3	91.0	16.9	8.2
Carbon Fiber Composite Materials	▲ 2.1	▲ 1.6	1.7	3.5	1.6	2.4	3.2
Environment & Engineering	3.4	2.7	4.8	5.7	16.5	3.5	4.8
Life Science	0.2	0.9	0.5	▲ 0.2	1.4	0.1	0.3
Others	0.2	0.5	0.8	1.5	3.0	0.4	0.7
Reconciliations	▲ 5.3	▲ 5.4	▲ 5.5	▲ 7.4	▲ 23.6	▲ 4.8	▲ 5.0
Consolidated	36.1	34.1	35.8	26.1	132.1	27.1	27.3

Quarterly Revenue of Performance Chemicals by Sub-segments

Billion yen

	FY Mar/22					FY Mar/23	
	1Q	2Q	3Q	4Q	Total	1Q	2Q
Resins, Chemicals	104.5	104.4	110.1	106.9	425.9	108.7	103.6
Films	83.2	83.1	84.1	84.7	335.0	88.6	81.6
Electronic & Information Materials	19.3	19.2	19.4	16.2	74.1	15.8	13.1
Trading, Other	128.6	124.7	139.3	137.8	530.3	150.3	140.4
Adjustments	▲ 113.1	▲ 109.5	▲ 119.2	▲ 113.6	▲ 455.4	▲ 118.4	▲ 110.5
Total	222.6	221.9	233.6	231.9	910.0	245.0	228.3

Quarterly Revenue of Carbon Fiber Composite Materials by Sub-segments

Billion yen

	FY Mar/22					FY Mar/23	
	1Q	2Q	3Q	4Q	Total	1Q	2Q
Aerospace	9.5	10.6	11.0	11.6	42.7	12.4	13.3
Sports	6.1	6.2	7.3	8.3	27.9	9.5	10.2
Industrial	32.9	33.6	35.9	42.1	144.7	46.8	47.8
Total	48.5	50.4	54.2	62.0	215.2	68.6	71.4

Quarterly Revenue of Major Subsidiaries and Regions

Billion yen

	FY Mar/22					FY Mar/23	
	1Q	2Q	3Q	4Q	Total	1Q	2Q
Toray International, Inc.	129.2	144.1	160.0	137.0	570.3	150.6	175.9
Toray Engineering Co., Ltd.	22.3	18.7	21.7	33.9	96.6	23.8	29.3
Toray Construction Co., Ltd.	7.3	9.4	11.5	14.0	42.3	7.4	7.3
Toray Advanced Film Co., Ltd.	9.3	9.5	10.1	9.6	38.6	10.4	10.1

Subsidiaries in Southeast Asia	Fibers & Textiles	29.9	31.6	33.2	36.4	131.2	40.4	46.4
	Performance Chemicals	32.2	31.2	31.6	31.2	126.1	29.1	25.3
	Other	0.2	0.1	0.1	0.1	0.6	0.2	0.2
	Total	62.3	62.9	64.9	67.7	257.9	69.6	71.9
Subsidiaries in China	Fibers & Textiles	55.6	68.9	63.0	46.6	234.1	64.1	91.3
	Performance Chemicals	29.4	30.4	33.2	27.6	120.6	30.2	26.7
	Other	9.9	9.5	12.6	9.9	42.0	13.4	13.9
	Total	94.9	108.8	108.8	84.2	396.7	107.7	132.0
Subsidiaries in the Republic of Korea	Fibers & Textiles	23.1	23.6	27.4	25.9	100.0	27.8	27.7
	Performance Chemicals	39.5	37.9	39.6	38.6	155.6	38.1	32.1
	Other	8.0	7.7	10.1	8.9	34.7	10.4	10.6
	Total	70.6	69.2	77.1	73.4	290.3	76.2	70.4

Quarterly Core Operating Income of Major Subsidiaries and Regions

Billion yen

	FY Mar/22					FY Mar/23	
	1Q	2Q	3Q	4Q	Total	1Q	2Q
Toray International, Inc.	2.7	3.3	3.5	2.8	12.2	2.9	3.9
Toray Engineering Co., Ltd.	1.1	0.0	1.2	2.5	4.7	0.8	1.3
Toray Construction Co., Ltd.	▲0.1	0.3	0.3	0.8	1.4	▲0.3	▲0.2
Toray Advanced Film Co., Ltd.	1.0	0.8	1.1	0.9	3.8	1.1	0.6

Subsidiaries in Southeast Asia	Fibers & Textiles	0.3	0.8	0.1	0.3	1.5	0.4	1.4
	Performance Chemicals	7.3	5.3	4.1	2.5	19.2	0.7	▲2.1
	Other	0.0	0.0	0.0	▲0.0	0.0	0.0	0.0
	Total	7.6	6.1	4.2	2.8	20.7	1.1	▲0.7
Subsidiaries in China	Fibers & Textiles	4.8	5.7	3.8	2.3	16.6	4.4	6.6
	Performance Chemicals	1.6	1.8	2.3	2.4	8.0	2.4	2.5
	Other	0.8	0.9	1.2	0.5	3.4	1.5	1.2
	Total	7.2	8.5	7.2	5.1	28.1	8.4	10.3
Subsidiaries in the Republic of Korea	Fibers & Textiles	1.6	0.9	1.0	▲0.5	3.1	▲0.6	▲0.4
	Performance Chemicals	5.4	4.7	3.3	1.2	14.6	1.4	▲1.3
	Other	0.9	1.0	1.3	1.0	4.2	1.7	1.9
	Total	7.9	6.6	5.6	1.8	21.9	2.6	0.2

External Evaluations from the Perspectives of ESG

■ S&P Global Sustainability Yearbook Member

February 2022

Sustainability Yearbook
Member 2022

S&P Global

■ CDP

December 2021



Water Security: A
Climate Change: B

■ MSCI

September 2021

MSCI
ESG RATINGS



CCC B BB BBB A AA **AAA**

■ Selected as a component of major overseas indexes

Member of

Dow Jones Sustainability Indices

Powered by the S&P Global CSA

November 2021

“Dow Jones Sustainability Index(DJSI), Asia Pacific”

2022 MSCI ESG Leaders Indexes Constituent

September 2022

“MSCI ESG Leaders Indexes”



FTSE4Good

June 2022

“FTSE4Good Index Series”

■ Selected for indices used by GPIF



FTSE Blossom
Japan



FTSE Blossom
Japan Sector
Relative Index

**S&P/JPX
Carbon
Efficient
Index**

2022 CONSTITUENT MSCI JAPAN
ESG SELECT LEADERS INDEX

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