

Embargo 8:00A.M., April 28, 2023 Release Date 8:00A.M., April 28, 2023

## Monthly Industrial Statistics in March 2023

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# Monthly Industrial Statistics, March 2023

## 1. Production Trend

### (1) All Industry

- ☐ The Index of All industry production in March increased by 1.6 percent from the previous month.
- The Index of Construction industry went down but Mining & Manufacturing industries and Public Administration went up from the previous month.

(2020=100, %)

		2022			2023			
		Q1	Q4	Mar.	Q1 <sup>p</sup>	Jan.	Feb. <sup>p</sup>	Mar. <sup>p</sup>
Index of all industry production <sup>1)</sup>		109.5	109.1	110.3	110.1	109.0	109.8	111.6
Percent Change	From the Previous Month (Quarter)	1.6	-1.5	1.9	0.9	0.0	0.7	1.6
	Industrial production	3.2	-6.4	2.1	-0.6	1.9	-2.7	5.1
	Manufacturing	3.2	-6.7	2.2	-0.4	2.1	-2.7	5.7
	Construction	0.5	4.6	1.2	6.6	4.8	5.6	-3.3
	Service industry	0.8	0.1	1.7	1.2	-0.5	1.4	0.2
	Public administration	0.7	-0.3	4.2	0.7	-5.3	5.6	5.0

Note 1) Seasonally Adjusted

- ☐ The Index of All industry production in March increased by 2.2 percent from the same period of the previous year.
- The Index of Mining & Manufacturing industries went down but Service industry and Construction industry went up from the same period of the previous year.

(2020=100, %)

		2022			2023			
		Y	Q1	Mar.	Q1 <sup>p</sup>	Jan.	Feb. <sup>p</sup>	Mar. <sup>p</sup>
Index of all industry production <sup>1)</sup>		110.1	105.4	112.7	106.8	103.0	102.3	115.2
Percent Change	Year on Year	4.6	5.2	4.3	1.3	-1.4	3.3	2.2
	Industrial production	1.4	5.8	4.8	-9.7	-13.4	-8.0	-7.6
	Manufacturing	1.4	6.0	4.7	-9.9	-14.0	-8.2	-7.5
	Construction	2.7	-1.7	-5.1	13.4	3.6	21.7	15.4
	Service industry	6.7	5.6	4.3	6.3	4.8	8.0	6.2
	Public administration	1.4	5.0	8.7	0.3	-2.6	1.0	2.0

Note 1) Not Seasonally Adjusted

## (2) Manufacturing

### Production

- ☐ The Manufacturing Production Index in March increased by 5.7 percent from the previous month but decreased by 7.5 percent from the same period of the previous year.

(2020=100, %)

		2022			2023			
		Y	Q1	Mar.	Q1 <sup>p</sup>	Jan.	Feb. <sup>p</sup>	Mar. <sup>p</sup>
Index	Seasonally Adjusted	-	115.0	115.9	101.9	101.8	99.1	104.7
	Not Seasonally Adjusted	109.9	109.8	118.1	98.9	94.2	93.4	109.2
Percent Change	From the Previous Month (Quarter)	-	3.2	2.2	-0.4	2.1	-2.7	5.7
	Year on Year	1.4	6.0	4.7	-9.9	-14.0	-8.2	-7.5

### Shipment

- ☐ The Manufacturing Shipment Index in March increased by 3.4 percent from the previous month but decreased by 1.9 percent from the same period of the previous year.

(2020=100, %)

		2022			2023			
		Y	Q1	Mar.	Q1 <sup>p</sup>	Jan.	Feb. <sup>p</sup>	Mar. <sup>p</sup>
Index	Seasonally Adjusted	-	105.3	105.3	98.2	96.2	97.6	100.9
	Not Seasonally Adjusted	104.9	103.9	112.1	99.0	92.3	94.6	110.0
Percent Change	From the Previous Month (Quarter)	-	1.1	0.6	-0.1	-0.1	1.5	3.4
	Year on Year	-0.1	1.7	0.2	-4.7	-10.5	-2.0	-1.9

## Inventory

- ☐ The Manufacturing Inventory Index in March decreased by 0.5 percent from the previous month but increased by 10.6 percent from the same period of the previous year.

(2020=100, %)

		2022			2023		
		Oct.	Nov.	Dec.	Jan.	Feb. <sup>p</sup>	Mar. <sup>p</sup>
Index	Seasonally Adjusted	111.7	115.4	113.5	117.8	119.5	118.9
	Not Seasonally Adjusted	109.9	115.0	112.3	119.9	120.5	117.5
Percent Change	From the Previous Month	0.3	3.3	-1.6	3.8	1.4	-0.5
	Year on Year	4.2	8.3	4.6	11.3	10.7	10.6
Proportion of Inventory to Shipment		111.3	117.6	117.9	122.5	122.4	117.8

## Manufacturing Production Capacity and Capacity Utilization Rate

- ☐ The Production Capacity Index in March decreased by 0.1 percent from the previous month and 2.6 percent from the same period of the previous year.

(2020=100, %)

		2022			2023			
		Y	Q1	Mar.	Q1 <sup>p</sup>	Jan.	Feb. <sup>p</sup>	Mar. <sup>p</sup>
Production Capacity Index		101.6	101.7	101.9	99.4	99.5	99.4	99.3
Percent Change	From the Previous Month (Quarter)	-	-0.2	0.3	-1.7	-1.3	-0.1	-0.1
	Year on Year	-0.4	-0.7	-0.3	-2.3	-2.1	-2.2	-2.6

- ☐ The Index of Capacity Utilization Rate in March increased by 4.9 percent from the previous month but decreased by 6.4 percent from the same period of the previous year.

(2020=100, %)

		2022			2023			
		Y	Q1	Mar.	Q1 <sup>p</sup>	Jan.	Feb. <sup>p</sup>	Mar. <sup>p</sup>
Index	Seasonally Adjusted	-	111.1	110.7	99.6	100.3	96.9	101.6
	Not Seasonally Adjusted	105.2	105.9	113.1	96.4	92.4	91.0	105.9
Percent Change	From the Previous Month (Quarter)	-	3.0	0.4	1.3	4.5	-3.4	4.9
	Year on Year	0.0	5.0	3.2	-9.0	-13.2	-7.4	-6.4

- ☐ The Manufacturing Average Capacity Utilization Rate in March marked 72.2 percent, which increased by 3.3 percentage points from the previous month.

(%, %p)

	2022			2023			
	Y	Q1	Mar.	Q1 <sup>p</sup>	Jan.	Feb. <sup>p</sup>	Mar. <sup>p</sup>
Manufacturing Average Capacity Utilization Rate	74.8	78.9	78.7	70.8	71.3	68.9	72.2
Change from the Previous Month (Quarter, Year)	0.0	2.2	0.3	0.9	3.0	-2.4	3.3

### (3) Service Industry

- ☐ The Index of Services in March increased by 0.2 percent from the previous month and 6.2 percent from the same period of the previous year.

(2020=100, %)

		2022			2023			
		Y	Q1	Mar.	Q1 <sup>p</sup>	Jan.	Feb. <sup>p</sup>	Mar. <sup>p</sup>
Index	Seasonally Adjusted	-	108.5	109.3	115.1	114.0	115.6	115.8
	Not Seasonally Adjusted	112.0	105.1	110.8	111.7	109.8	107.7	117.7
Percent Change	From the Previous Month (Quarter)	-	0.8	1.7	1.2	-0.5	1.4	0.2
	Year on Year	6.7	5.6	4.3	6.3	4.8	8.0	6.2

## 2. Consumption Trend

- ☐ The Retail Sales Index in March increased by 0.4 percent from the previous month and 0.5 percent from the same period of the previous year.

(2020=100, %)

		2022			2023			
		Y	Q1	Mar.	Q1 <sup>p</sup>	Jan.	Feb. <sup>p</sup>	Mar. <sup>p</sup>
Index	Seasonally Adjusted	-	106.6	107.2	106.1	102.4	107.7	108.1
	Not Seasonally Adjusted	105.5	102.7	107.4	102.4	103.8	95.6	107.9
Percent Change	From the Previous Month (Quarter)	-	-0.7	0.6	1.1	-1.5	5.2	0.4
	Year on Year	-0.3	2.6	2.2	-0.3	-1.7	0.5	0.5

### 3. Investment Trend

#### Equipment Investment and Domestic Machinery Shipment (Excluding Vessels)

- ☐ The Equipment Investment Index in March decreased by 2.2 percent from the previous month but increased by 2.2 percent from the same period of the previous year.

(2015=100, %)

		2022			2023			
		Y	Q1	Mar.	Q1 <sup>p</sup>	Jan.	Feb. <sup>p</sup>	Mar. <sup>p</sup>
Index	Seasonally Adjusted	-	121.9	118.8	120.2	120.2	121.6	118.9
	Not Seasonally Adjusted	126.7	116.5	125.3	116.0	109.1	110.9	128.1
Percent Change	From the Previous Month (Quarter)	-	0.4	-2.0	-8.7	-4.8	1.2	-2.2
	- Machinery	-	-1.5	-1.8	-10.5	-8.5	1.9	0.5
	- Transport Equipment	-	6.8	-2.7	-3.2	6.6	-1.0	-9.7
	Year on Year	3.3	-1.3	-5.4	-0.4	-7.4	4.2	2.2
	- Machinery	2.9	-2.4	-4.0	-1.1	-6.2	0.9	1.8
	- Transport Equipment	4.3	2.6	-9.8	2.0	-10.6	15.0	3.7

- ☐ The Domestic Machinery Shipment Index in March decreased by 0.9 percent from the same period of the previous year.

(2020=100, %)

		2022			2023			
		Y	Q1	Mar.	Q1 <sup>p</sup>	Jan.	Feb. <sup>p</sup>	Mar. <sup>p</sup>
Domestic Machinery Shipment Index		110.4	99.3	111.4	97.4	86.6	95.3	110.4
Year on Year		2.7	0.2	-1.9	-1.9	-11.8	8.0	-0.9

#### Value of Domestic Machinery Orders Received (Excluding Vessels)

- ☐ The value of Domestic Machinery Orders Received in March decreased by 9.9 percent from the same period of the previous year.

(year-on-year, %)

		2022			2023			
		Y	Q1	Mar.	Q1 <sup>p</sup>	Jan.	Feb. <sup>p</sup>	Mar. <sup>p</sup>
Value of Domestic Machinery Orders Received(Constant)		1.4	4.0	16.5	-8.4	-1.2	-14.0	-9.9
- Public		-22.5	8.2	0.7	153.4	49.7	59.5	391.7
- Private		3.3	3.8	17.3	-18.1	-6.2	-17.4	-27.1
· Manufacturing		6.2	0.8	11.2	-11.1	5.9	-18.0	-18.5
· Non-manufacturing		-2.8	9.9	29.3	-31.3	-29.9	-16.1	-41.8

## Value of Construction Completed

- ☐ In March, the value of Construction Completed at constant prices decreased by 3.3 percent from the previous month but increased by 15.4 percent from the same period of the previous year.

(%)

		2022			2023			
		Y	Q1	Mar.	Q1 <sup>p</sup>	Jan.	Feb. <sup>p</sup>	Mar. <sup>p</sup>
Value of Construction Completed (Constant)	From the Previous Month (Quarter)	-	0.5	1.2	6.6	4.8	5.6	-3.3
	- Building	-	0.3	0.0	8.5	8.6	6.1	-7.6
	- Civil Engineering	-	1.0	5.0	0.8	-6.7	3.6	12.2
	Year on Year	2.7	-1.7	-5.1	13.4	3.6	21.7	15.4
	- Building	4.2	1.1	-2.6	16.2	6.9	26.4	16.4
	- Civil Engineering	-1.4	-9.4	-11.1	5.0	-7.0	6.9	12.7
Value of Construction Completed (Current)	From the Previous Month (Quarter)	-	1.3	2.1	6.3	3.2	10.4	-2.7
	Year on Year	12.3	10.1	6.3	19.4	9.4	28.5	20.8

## Value of Construction Orders Received

- ☐ In March, the value of Construction Orders Received at current prices decreased by 44.4 percent from the same period of the previous year.

(year-on-year, %)

		2022			2023			
		Y	Q1	Mar.	Q1 <sup>p</sup>	Jan.	Feb. <sup>p</sup>	Mar. <sup>p</sup>
Value of Construction Orders Received		10.1	13.2	15.9	-12.5	19.1	-3.7	-44.4
By type of work	- Building	8.2	7.3	9.1	-24.5	-27.5	3.6	-39.2
	· Dwellings	7.6	4.2	5.7	-34.5	-35.8	-21.0	-41.5
	- Civil Engineering	17.2	39.6	42.4	29.7	238.8	-26.9	-59.4
	· Installation of machinery	66.6	48.2	71.5	151.2	944.5	-9.2	-72.5
By contractors	- Public	7.7	22.9	49.8	-29.0	-25.3	-4.3	-45.7
	- Private	10.8	13.3	15.4	-9.5	27.5	-2.1	-45.3
	- Private Capital	-9.9	-46.2	-89.7	-11.8	-36.8	-54.9	275.4

## 4. Composite Index of Business Indicators

### Composite Coincident Index

- ☐ The Composite Coincident Index in March increased by 0.8 percent from the previous month.
- The Cyclical Component of Composite Coincident Index, which reflects current economic situations, increased by 0.6 points from the previous month.

	2022					2023		
	Aug.	Sep.	Oct.	Nov.	Dec.	Jan. <sup>p</sup>	Feb. <sup>p</sup>	Mar. <sup>p</sup>
○ Composite Coincident Index (2020=100)	109.1	109.3	109.3	108.9	108.4	108.2	108.8	109.7
- Month-on-month (%)	0.6	0.2	0.0	-0.4	-0.5	-0.2	0.6	0.8
○ Cyclical Component of Composite Coincident Index	100.9	100.8	100.7	100.1	99.4	99.0	99.3	99.9
- Change from the Previous Month (p)	0.3	-0.1	-0.1	-0.6	-0.7	-0.4	0.3	0.6

### Composite Leading Index

- ☐ The Composite Leading Index in March showed no change from the previous month.
- The Cyclical Component of Composite Leading Index, which predicts the turning point in business cycle, decreased by 0.3 points from the previous month.

	2022					2023		
	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb. <sup>p</sup>	Mar. <sup>p</sup>
○ Composite Leading Index (2020=100)	109.1	109.3	109.5	109.6	109.4	109.4	109.3	109.3
- Month-on-month (%)	0.1	0.2	0.2	0.1	-0.2	0.0	-0.1	0.0
○ Cyclical Component of Composite Leading Index	99.9	99.8	99.8	99.5	99.1	98.8	98.5	98.2
- Change from the Previous Month (p)	-0.2	-0.1	0.0	-0.3	-0.4	-0.3	-0.3	-0.3



## < Major Indicators of Monthly Industrial Statistics >

[year-on-year, %]

				2022				2023				
				Y	Q1	Q4	Mar.	Q1 <sup>P</sup>	Jan.	Feb. <sup>P</sup>	Mar. <sup>P</sup>	
Production	All industry		From the previous month (quarter)	-	1.6	-1.5	1.9	0.9	0.0	0.7	1.6	
			From the previous year	4.6	5.2	1.9	4.3	1.3	-1.4	3.3	2.2	
	Mining, Manufacturing and Electricity & Gas		From the previous month (quarter)	-	3.2	-6.4	2.1	-0.6	1.9	-2.7	5.1	
			From the previous year	1.4	5.8	-6.4	4.8	-9.7	-13.4	-8.0	-7.6	
	Manufacturing	· Production	From the previous month (quarter)	-	3.2	-6.7	2.2	-0.4	2.1	-2.7	5.7	
			From the previous year	1.4	6.0	-6.7	4.7	-9.9	-14.0	-8.2	-7.5	
		· Producer's Shipment		-0.1	1.7	-3.7	0.2	-4.7	-10.5	-2.0	-1.9	
		- Domestic		-0.5	-0.2	-1.5	-2.3	-1.3	-7.4	3.8	0.0	
		- Export		0.5	4.2	-6.6	3.3	-8.9	-14.2	-9.2	-3.9	
		· Producer's Inventory <sup>1)</sup>		4.6	11.0	4.6	11.0	10.6	11.3	10.7	10.6	
		Average Capacity Utilization Rate <sup>2)</sup>		74.8	78.9	69.9	78.7	70.8	71.3	68.9	72.2	
		Production Capacity		-0.4	-0.7	-0.8	-0.3	-2.3	-2.1	-2.2	-2.6	
	Service Industry		From the previous month (quarter)	-	0.8	0.1	1.7	1.2	-0.5	1.4	0.2	
			From the previous year	6.7	5.6	5.8	4.3	6.3	4.8	8.0	6.2	
			Wholesale & Retail	From the previous month (quarter)	-	0.8	-1.5	2.7	1.4	1.3	-0.1	-0.4
				From the previous year	2.7	3.0	1.1	3.1	1.9	2.0	3.5	0.4
Consumption	Retail Sales		From the previous month (quarter)	-	-0.7	-0.9	0.6	1.1	-1.5	5.2	0.4	
			From the previous year	-0.3	2.6	-2.3	2.2	-0.3	-1.7	0.5	0.5	
	- Consumer durables		-3.2	-2.4	-2.9	-3.4	0.5	-2.9	0.6	3.3		
Investment	Equipment	Equipment Investment Index	From the previous month (quarter)	-	0.4	-0.2	-2.0	-8.7	-4.8	1.2	-2.2	
			From the previous year	3.3	-1.3	9.6	-5.4	-0.4	-7.4	4.2	2.2	
	Value of Domestic Machinery Orders Received		1.4	4.0	-13.4	16.5	-8.4	-1.2	-14.0	-9.9		
	Construction	Value of Construction Completed (constant)	From the previous month (quarter)	-	0.5	4.6	1.2	6.6	4.8	5.6	-3.3	
			From the previous year	2.7	-1.7	6.4	-5.1	13.4	3.6	21.7	15.4	
Value of Construction Orders Received(current)		10.1	13.2	-17.4	15.9	-12.5	19.1	-3.7	-44.4			

Note 1) At the end of the month, quarter and year

2) During the month, quarter and year

## < Composite Index of Business Indicators >

	2022		2023		
	Nov.	Dec.	Jan. <sup>p</sup>	Feb. <sup>p</sup>	Mar. <sup>p</sup>
Composite Coincident Index (2020=100)	108.9	108.4	108.2	108.8	109.7
· Month-on-month (%)	-0.4	-0.5	-0.2	0.6	0.8
Cyclical Component of Composite Coincident Index	100.1	99.4	99.0	99.3	99.9
· Change from the Previous Month (p)	-0.6	-0.7	-0.4	0.3	0.6
Composite Leading Index (2020=100) <sup>1)</sup>	109.6	109.4	109.4	109.3	109.3
· Month-on-month (%)	0.1	-0.2	0.0	-0.1	0.0
Cyclical Component of Composite Leading Index <sup>2)</sup>	99.5	99.1	98.8	98.5	98.2
· Change from the Previous Month (p)	-0.3	-0.4	-0.3	-0.3	-0.3

Note 1) 2) The data for the last 2 months are preliminary