

Japanese Economy Monthly Forecast

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Headlines

• Review of data released in October

This forecast reflects official data released by the end of October. Although statistics on household consumption are not available yet, most data required for a complete calculation of Q3 GDP have already been released.

Due to the supply crunch caused by the shortage of semiconductors and the spread of infectious diseases, the Industrial Production Index in September declined for the third consecutive month, down -5.4% MoM. As a result, the Q3 was -3.7% lower than the Q2, marking the first decline in five quarters.

▶ In August, the Synthetic Consumption Index declined for the first time in three months. Data on human mobility suggests that it is likely to have declined in September too.

The amount of planned dwelling construction in September decreased for the first time in three months, down -6.4% MoM. As a result, the Q3 increase was a modest +0.7% QoQ. The capital goods shipments index fell for the second consecutive month in September (-5.8% MoM). As a result, the Q3 figure declined by -2.4% QoQ.

▶ In August, public construction works declined two months in a row, down -3.6% YoY. The seasonally adjusted figure was -3.1% MoM, marking the second straight month in negative territory. As a result, the July-August average decreased by -1.5% compared to Q2 average.

Real exports in September decreased for the second consecutive month (-2.5% MoM). Real imports declined for the first time in two months (-1.7% MoM). A comparison of the Q3 and Q2 shows that both exports and imports shrank, by -2.2% and -2.7%, respectively. As a result of these trends, net exports made a slightly negative contribution to GDP growth in Q3.

• 2021 Q3 real GDP growth forecast update

Dur forecast for real GDP growth (expenditure side) in Q3 is an annualized -1.8% QoQ. Reflecting stagnant industrial production index, the production-side forecast figure is an annualized -4.0% QoQ. The average of the two is an annualized -2.9% (Figure 1).

The contributions to real GDP growth in Q3 (-0.5% QoQ) are estimated at approximately -0.2%pt by domestic demand, and -0.2%pt by net exports.

2021 Q3 inflation forecast update

▶ In September, the national CPI rose YoY for the first time in 12 months. The Dwelling Construction Cost Deflator in August jumped, which was brought by wood supply shortages.

Our CQM forecasts for the Q3 private final consumption expenditure deflator and the Q3 domestic demand deflator are respectively +0.4% and +0.7% QoQ. However, due to the deteriorating terms of trade, we forecast a Q3 GDP deflator of +0.1% QoQ (Figure 2).

Fig 1 CQM Forecast: Real GDP Growth Rate Jul-Sep (Q3) 2021 (%, QoQ annualized growth)

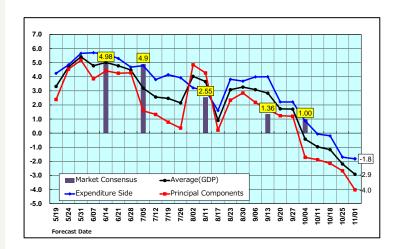
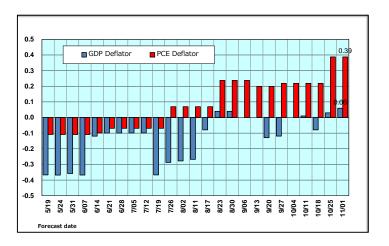


Fig 2 CQM Forecast: Inflation Jul-Sep (Q3) 2021 (%, QoQ growth)



We used the Current Quarter Model (CQM) methodology developed by Professor Emeritus L. R. Klein to create two forecasting models for the Japanese economy: a demand-side model and a production-side (principal component analysis) model. We refer to the forecasts by the former model as the main series, and those by the latter model, as well as the average of both models, as the reference series. Forecasts made using the CQM model are renewed continuously, incorporating the latest weekly data, which makes it possible to determine and trace the impacts of the latest short-term trends on macroeconomic conditions.

Table 1: Main Economic Indicators (latest)

Release	Data		Value/ In-	Change		
Date	Month	Economic Indicator	dex Score	MoM	YoY	
10/29	September	Labor Force Survey				
		Total employment (millions)	66.48	-0.28		
		Total unemployment (millions)	1.89	-0.02		
		Unemployment rate (%)	2.8%	0.0%pt		
	September	General Job Placement Situation				
		Job offers-to-applicants ratio	1.16	+0.02pt		
	September	Indices of Industrial Production (preliminary figures, 2015=100)				
		Production	89.5	-5.4%		
		Shipments	86.5	-6.2%		
		Inventories	98.4	+3.7%		
	September	New Housing Starts				
		New housing starts (SA, Unit)	73,178	-1.2%	+4.3%	
		Planned residential construction expenditure (billon JPY)	1,235.3	-6.4%	-1.1%	
	October	Consumer Confidence Index (SA)	39.2	+1.4		
	August	Construction Costs Deflator (2015=100)				
		Housing construction	113.4		+6.4%	
		Public works	111.3		+3.0%	
	October	Tokyo Region Consumer Price Index (2020=100)				
		Core	99.8	-0.2%	+0.1%	
10/28	September	Current Survey of Commerce (preliminary figures)				
		Retail trade (billion JPY)	12,041.0	+2.7%	-0.6%	
	September	Manufacturing Industry Input-Output Price Index (2011=100)				
		Input price	107.2		+14.0%	
		Output price	104.4		+7.2%	
10/27	September	Corporate Services Price Index (2015=100)				
		Overall index	105.0		+0.9%	
	August	Index of Business Conditions (revised figures, 2015=100)				
		Leading indicators	101.3	-2.8		
		Coincident indicators	91.3	-3.1		
		Lagging indicators	94.1	-1.1		
10/22	August	Monthly Labor Statistics (final figures)				
	-	Total cash salary per capita (JPY)	274,671		+0.6%	
		Total working hours	129.7		+0.7%	
	September	National Consumer Price Index (2020=100)				
	·	Core index	99.8	+0.1%	+0.1%	
10/20	September	Trade Statistics (customs clearance level)				
		Trade balance (billion JPY)	-624.8	+85.6%	-1,290.	
		Exports (billion JPY)	6,841.2	-3.9%	+13.0%	
		Imports (billion JPY)	7,464.0	+0.2%	+38.6%	
10/19	August	General Construction Statistics	.,	. 5.276	. 30.07	
10/10	, lagast	Private non-residential construction (billion JPY)	804.3		+0.8%	
		Public works (billion JPY)	1,721.5		-3.6%	
	August	Tertiary Industry Activity Index (2015=100)	95.0	-1.7%	3.0 /0	

	September	Public Works Advanced Securities Statistics			
		Contract amount (billion JPY)	1,268.2		-15.1%
		Number of contracts	26,536		-6.9%
10/14	August	Indices of Industrial Production (final figures, 2015=100)			
		Production	94.6	-3.6%	
		Shipments	92.2	-4.4%	
		Inventory	94.9	-0.1%	
		Production capacity index	96.4		-1.2%
		Capacity utilization ratio	91.2	-3.9%	
10/13	August	Synthetic Consumption Index (2015=100)	94.2	-2.0%	
	August	Private Core Machinery Orders (billion JPY)	839.3	-2.4%	
10/12	September	Domestic Corporate Price Index (2015=100)			
		Corporate Price	106.4	+0.3%	+6.3%
		Export Price	99.9	+0.3%	+11.0%
		Import Price	108.2	+1.1%	+31.3%
10/8	August	Monthly Labor Statistics (preliminary figures)			
		Total cash salary per capita (JPY)	274,987		+0.7%
		Total working hours	129.6		+0.7%
	August	Family Income and Expenditure Survey (households with 2 or more people)			
		Nominal consumption expenditure (JPY)	266,638	-4.3%	-3.5%
		Real consumption expenditure		-3.9%	-3.0%
	August	Consumption Trend Index (2020=100)	99.1	-1.7%	
	August	Information Services Industry Sales (billion JPY)	962.1		+3.4%
	September	Economy Watchers Survey			
		Current Conditions Diffusion Index	42.1	+7.4	
		Future Conditions Diffusion Index	56.6	+12.9	
	August	Balance of Payments			
		Current account (billion JPY)	1,665.8	-26.2%	-20.1%
		Exports (billion JPY)	6,513.8	-0.9%	+27.1%
		Imports (billion JPY)	6,886.2	+5.3%	+45.9%
10/7	August	Consumption Activity Index (2015=100)	89.7	-2.1%	
	August	Index of Business Conditions (preliminary, 2015=100)			
		Leading indicators	101.8	-2.3	
		Coincident indicators	91.5	-2.9	
		Lagging indicators	94.8	-0.5	
10/5	September	Tokyo Region Consumer Price Index (2020=100)			
		Core	99.8	+0.1%	+0.1%
10/4	September	Food Buffer Stock (billion JPY)	-22.5		+1.8

Table 2: CQM Forecast: GDP Tracking

		Real GDP		Deflat	or	Real GDP Deflator				Real GDP		Deflator			
Forecast date	Expenditure side	Production side (PCA)	Average	GDP	PCE	Expenditure side	Production side (PCA)	Average	GDP	PCE	Expenditure side	Production side (PCA)	Average	GDP	PCE
uate			2021Q2					2021Q3					2021Q4		
		SAAR (%)		QoQ (°	%)		SAAR (%)		QoQ	(%)		SAAR (%)		QoQ (%)	
5/19	1.0	0.9	0.9	-0.7	0.1	4.2	2.4	3.3	-0.4	-0.1					
5/24	0.8	1.3	1.0	-1.0	-0.2	4.8	4.5	4.7	-0.4	-0.1					
5/31	0.1	1.3	0.7	-1.0	-0.2	5.7	5.2	5.4	-0.4	-0.1					
6/07	0.7	0.6	0.6	-0.9	-0.2	5.7	3.9	4.8	-0.4	-0.1					
6/08															
6/14	-0.1	1.1	0.5	-0.8	-0.2	5.6		5.0	-0.1	-0.1					
6/21	-0.4	1.1	0.4	-0.7	-0.1	5.3	4.3	4.8	-0.1	-0.1					
6/28	-0.7	1.0	0.1	-0.7	-0.1	4.7	4.3	4.5	-0.1	-0.1					
7/05	-0.7	-1.5	-1.1	-0.6	-0.1	4.8	1.6	3.2	-0.1	-0.1					
7/12	-2.1	-0.9	-1.5	-0.6	-0.1	3.8	1.3	2.6	-0.1	-0.1					
7/19	-0.4	-0.3	-0.3	-0.7	-0.1	4.1	0.8	2.5	-0.4	-0.1					
7/26	-0.7	-0.5	-0.6	-0.6	-0.0	3.9	0.4	2.1	-0.3	0.1					
8/02	-0.0	0.8	0.4	-0.6	-0.0	3.2	4.8	4.0	-0.3	0.1					
8/11	0.9	0.3	0.6	-0.6	-0.0	3.0	4.3	3.7	-0.3	0.1					
8/16	<u>1.3</u>			<u>-0.3</u>	<u>-0.3</u>										
8/17						1.6	0.2	0.9	-0.1	0.1		5.4			-0.7
8/23						3.8	2.3	3.1	0.0	0.2		3.4			-0.6
8/30						3.7	2.8	3.3	0.0	0.2		6.5			-0.6
9/06						4.0	2.2	3.1	0.0	0.2	5.4	6.5	5.9	-0.3	-0.6
9/08	1.9*			-0.6*	-0.8*										
9/13						4.0	1.7	2.8	0.0	0.2		5.3			-0.6
9/20						2.2	1.2	1.7	-0.1	0.2		5.1			-0.6
9/27						2.2	1.2	1.7	-0.1	0.2	4.0	5.2		-0.4	-0.5
10/04						0.9	-1.7	-0.4	0.0	0.2	4.3	5.6	4.9	-0.4	-0.5
10/11						-0.1	-1.9	-1.0	0.0	0.2		3.8			-0.5
10/18						-0.2	-2.1	-1.2	-0.1	0.2		5.4			-0.5
10/25						-1.7	-2.7	-2.2	0.0	0.4	-0.2	4.6	2.2	-0.4	-0.3
11/01						-1.8	-4.0	-2.9	0.1	0.4	1.1	4.1	2.6	-0.5	-0.3

Note: Underlined figures are 1st preliminary estimates, and figures marked by * are 2nd preliminary estimates.

Table 3-1: Gross Domestic Product at Chained 2015 Price: Y Billion

	Quarterly			Forecast		CY		FY	
	2020Q4	2021Q1	2021Q2	2021Q3	2021Q4	2020	2021	2020	2021
GDP/GDE									
Gross Domestic Products	542,544	536,805	539,309	536,834	538,244	528,961	537,798	527,125	538,114
Private Consumption	289,932	286,283	288,940	286,704	291,250	284,213	288,294	282,332	289,589
Residential Investment	18,626	18,804	19,189	18,840	18,603	19,140	18,859	18,934	18,787
Nonresidential Investment	85,890	84,812	86,754	86,357	85,808	85,593	85,933	84,314	86,199
Change in Private Inventory	-978	1,396	-409	570	1,718	1,522	818	1,261	897
Government Consumption	116,955	114,936	116,458	117,667	118,194	113,576	116,814	114,568	117,761
Public Investment	29,473	29,160	28,674	28,100	27,850	28,943	28,446	29,226	28,086
Change in Public Inventory	-45	11	-10	16	15	-5	8	-11	10
Net Exports	2,840	1,395	-699	-1,831	-5,606	-4,328	-1,685	-3,884	-3,627
Exports of Goods & Services	97,958	100,272	103,101	100,930	99,328	91,728	100,908	91,975	100,629
Imports of Goods & Services	95,117	98,878	103,799	102,761	104,934	96,056	102,593	95,859	104,256
Gross National Income	568,699	559,429	560,131	551,543	551,114	552,730	555,554	551,361	553,695
Memo:									
Total Demand	637,661	635,683	643,109	639,595	643,178	625,017	640,391	622,983	642,370
	Upper Row	: % chang	e from the	previous qu	arter Low	er Row: %	change fro	m a year ea	rlier
Gross Domestic Products	2.8	-1.1	0.5	-0.5	0.3				
SAAR	11.9	-4.2	1.9	-1.8	1.1				
% Change Year Ago	-0.8	-1.3	7.7	1.8	-0.8	-4.6	1.7	-4.4	2.1
Private Consumption	2.3	-1.3	0.9	-0.8	1.6				
% Change Year Ago	-2.1	-2.5	7.3	1.1	0.5	-5.8	1.4	-5.8	2.6
Residential Investment	0.0	1.0	2.1	-1.8	-1.3				
% Change Year Ago	-8.7	-4.2	-2.8	1.2	-0.1	-7.1	-1.5	-7.2	-0.8
Nonresidential Investment	4.3	-1.3	2.3	-0.5	-0.6				
% Change Year Ago	-2.9	-5.2	3.2	4.9	-0.1	-6.0	0.4	-6.8	2.2
Government Consumption	1.9	-1.7	1.3	1.0	0.4				
% Change Year Ago	5.1	3.6	4.3	2.5	1.1	2.8	2.9	3.4	2.8
Public Investment	0.9	-1.1	-1.7	-2.0	-0.9				
% Change Year Ago	4.7	3.5	-1.2	-3.8	-5.5	3.6	-1.7	4.2	-3.9
Exports of Goods & Services	11.7	2.4	2.8	-2.1	-1.6				
% Change Year Ago	-5.8	1.2	26.2	15.1	1.4	-11.7	10.0	-10.4	9.4
Imports of Goods & Services	4.8	4.0	5.0	-1.0	2.1				
% Change Year Ago	-7.3	-0.6	5.0	13.3	10.3	-7.3	6.8	-6.8	8.8
Gross National Income	3.1	-1.6	0.1	-1.5	-0.1				
SAAR	13.1	-6.4	0.5	-6.0	-0.3				
% Change Year Ago	0.4	-0.9	6.8	0.0	-3.1	-3.7	0.5	-3.5	0.4
Total Demand	3.1	-0.3	1.2	-0.5	0.6				
SAAR	13.2	-1.2	4.8	-2.2	2.3				
% Change Year Ago	0.0	9.3	7.3	3.5	0.9	-5.0	2.5	-4.8	3.1
Contribution to GDP Grow th Ra	ate								
Domestic Demand	1.8	-0.8	0.8	-0.2	1.0	-3.8	1.2	-3.8	2.0
Private Demand	1.4	-0.4	0.6	-0.4	0.9	-4.6	0.6	-4.7	1.6
Public demand	0.5	-0.4	0.2	0.1	0.1	0.8	0.5	0.9	0.4
Net Exports	1.0	-0.2	-0.3	-0.2	-0.7	-0.8	0.5	-0.6	0.1

Table 3-2: Gross Domestic Product at Current Prices: Y Billion

	Quarterly			Forecast		CY		FY	
	2020Q4	2021Q1	2021Q2	2021Q3	2021Q4	2020	2021	2020	2021
GDP/GDE									
Gross Domestic Products	551,223	545,159	544,417	542,240	540,907	538,689	543,181	536,638	542,725
Private Consumption	292,815	290,291	290,750	289,615	293,330	288,400	290,996	286,152	292,192
Residential Investment	19,575	19,972	20,761	20,785	20,685	20,142	20,551	19,942	20,699
Nonresidential Investment	86,070	85,857	88,377	88,723	88,732	86,209	87,922	84,875	88,747
Change in Private Inventory	-844	1,229	-975	1,076	2,101	1,120	858	819	965
Government Consumption	116,522	115,358	117,279	118,724	119,205	113,872	117,641	114,684	118,761
Public Investment	30,802	30,722	30,521	30,249	29,958	30,264	30,362	30,610	30,164
Change in Public Inventory	-17	41	3	34	33	10	28	12	26
Net Exports	6,302	1,689	-2,299	-6,964	-13,137	-1,329	-5,178	-457	-8,829
Exports of Goods & Services		93,571	99,514	98,721	97,453	83,829	97,315	84,259	98,375
Imports of Goods & Services		91,882	101,813	105,686	110,590	85,158	102,492	84,715	107,204
Gross National Income	573,383	567,609	567,134	562,320	561,337	559,889	564,600	557,784	563,673
Memo:	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, .	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , ,	,	, , , , , , , , ,	, ,	,-
Total Demand	634,451	637,041	646,230	647,926	651,496	623,846	645,673	621,353	649,929
Compensation of Employee	281,737	289,006	284,185	284,358	285,616	282,481	285,791	282,244	285,132
Upper Row: % change from the previous quarter Lower Row: % change from a year earlier									
Gross Domestic Products	2.3	-1.1	-0.1	-0.4	-0.2		3 2 3 3	,	
SAAR	9.7	-4.3	-0.5	-1.6	-1.0				
% Change Year Ago	-0.8	-1.4	6.6	0.7	-1.9	-3.8	0.8	-3.9	1.1
Private Consumption	1.8	-0.9	0.2	-0.4	1.3				
% Change Year Ago	-3.0	-3.0	6.2	0.7	0.2	-5.6	0.9	-5.9	2.1
Residential Investment	-0.2	2.0	4.0	0.1	-0.5				
% Change Year Ago	-9.3	-3.9	0.5	5.9	5.7	-6.1	2.0	-6.7	3.8
Nonresidential Investment	3.8	-0.2	2.9	0.4	0.0				
% Change Year Ago	-3.7	-5.4	4.6	7.0	3.1	-6.3	2.0	-7.3	4.6
Government Consumption	1.2	-1.0	1.7	1.2	0.4				
% Change Year Ago	3.6	3.2	4.9	3.1	2.3	2.3	3.3	2.7	3.6
Public Investment	0.9	-0.3	-0.7	-0.9	-1.0				
% Change Year Ago	4.4	4.1	1.0	-0.9	-2.7	4.4	0.3	4.6	-1.5
Exports of Goods & Services	11.2	4.5	6.4	-0.8	-1.3				
% Change Year Ago	-7.3	1.9	36.0	22.6	8.8	-14.0	16.1	-12.0	16.8
Imports of Goods & Services	4.8	10.4	10.8	3.8	4.6				
% Change Year Ago	-13.9	-1.7	20.5	33.1	32.9	-14.0	20.4	-13.3	26.5
Gross National Income	2.7	-1.0	-0.1	-0.8	-0.2				
SAAR	11.2	-4.0	-0.3	-3.4	-0.7				
% Change Year Ago	-0.7	-1.4	6.8	0.7	-2.1	-3.8	0.8	-3.9	1.1
Memo:									
Total Demand	2.7	0.4	1.4	0.3	0.6				
SAAR	11.1	1.6	5.9	1.1	2.2				
% Change Year Ago	0.0	15.9	8.5	4.8	2.7	0.0	-5.3	0.0	-5.3
Compensation of Employee	0.4	2.6	-1.7	0.1	0.4				
% Change Year Ago	-2.6	-0.3	1.9	1.3	1.4	-1.5	1.2	-2.0	1.0

Table 3-3: Deflator: 2015=100

	Quarterly			Forecast		CY		FY	
	2020Q4	2021Q1	2021Q2	2021Q3	2021Q4	2020	2021	2020	2021
GDP/GDE									
Gross Domestic Products	101.6	101.6	101.0	101.0	100.5	101.9	101.0	101.8	100.9
Private Consumption	101.0	101.4	100.6	101.0	100.7	101.5	100.9	101.4	100.9
Residential Investment	105.1	106.2	108.2	110.3	111.2	105.2	109.0	105.3	110.2
Nonresidential Investment	100.2	101.2	101.9	102.7	103.4	100.7	102.3	100.7	103.0
Government Consumption	99.6	100.4	100.7	100.9	100.9	100.2	100.7	100.1	100.9
Public Investment	104.5	105.4	106.4	107.7	107.6	104.5	106.8	104.7	107.4
Exports of Goods & Services	91.4	93.3	96.5	97.8	98.1	91.3	96.4	91.5	97.8
Imports of Goods & Services	87.5	92.9	98.1	102.9	105.4	88.6	99.8	88.3	102.8
Unit Profit	107.8	103.5	104.7	104.2	102.9	105.1	103.9	104.7	103.9
Unit Labor Cost	96.4	99.9	97.8	98.3	98.5	99.1	98.6	99.4	98.3
	Upper Row	: % chang	e from the i	orevious qu	arter Low	er Row: %	change fro	m a year ea	rlier
Gross Domestic Products	-0.5	0.0	-0.6	0.1	-0.5				
	0.0	-0.1	-1.1	-1.1	-1.1	0.9	-0.9	0.6	-1.0
Private Consumption	-0.5	0.4	-0.8	0.4	-0.3				
	-0.9	-0.5	-1.0	-0.4	-0.3	0.2	-0.5	-0.1	-0.5
Residential Investment	-0.3	1.1	1.9	2.0	0.8				
	-0.7	0.4	3.4	4.7	5.8	1.0	3.6	0.5	4.6
Nonresidential Investment	-0.5	1.0	0.6	0.9	0.7				
	-0.9	-0.2	1.4	2.1	3.2	-0.4	1.6	-0.5	2.3
Government Consumption	-0.7	0.7	0.3	0.2	0.0				
	-1.4	-0.4	0.6	0.6	1.2	-0.5	0.5	-0.7	0.8
Public Investment	-0.1	0.8	1.0	1.1	-0.1				
	-0.3	0.5	2.2	2.9	2.9	0.8	2.2	0.4	2.6
Exports of Goods & Services	-0.5	2.1	3.4	1.3	0.3				
	-1.6	0.7	7.8	6.5	7.4	-2.6	5.6	-1.8	6.8
Imports of Goods & Services	0.0	6.2	5.6	4.9	2.5				
	-7.2	-1.1	14.7	17.6	20.4	-7.3	12.7	-6.9	16.4
Unit Profit	0.0	-3.9	1.1	-0.4	-1.3				
	0.0	3.2	4.2	-1.7	-4.5	-1.6	-1.2	-1.6	-0.8
Unit Labor Cost	0.0	3.7	-2.1	0.5	0.2				
	0.0	14.0	-5.4	-0.5	2.2	3.2	-0.5	2.5	-1.0