

The Manufacturing Production Index of industrial production in July 2022 increased by 6.4 percent when compared to the same month last year, as a result of the expansion of key industries such as the automotive industry, the petroleum refining industry and the concrete and cement articles industry. The Capacity Utilization Rate in July 2022 was 61.0 percent.

## The Manufacturing Production Index of Key Industries in July 2022



The key industrial sectors that have expanded are:



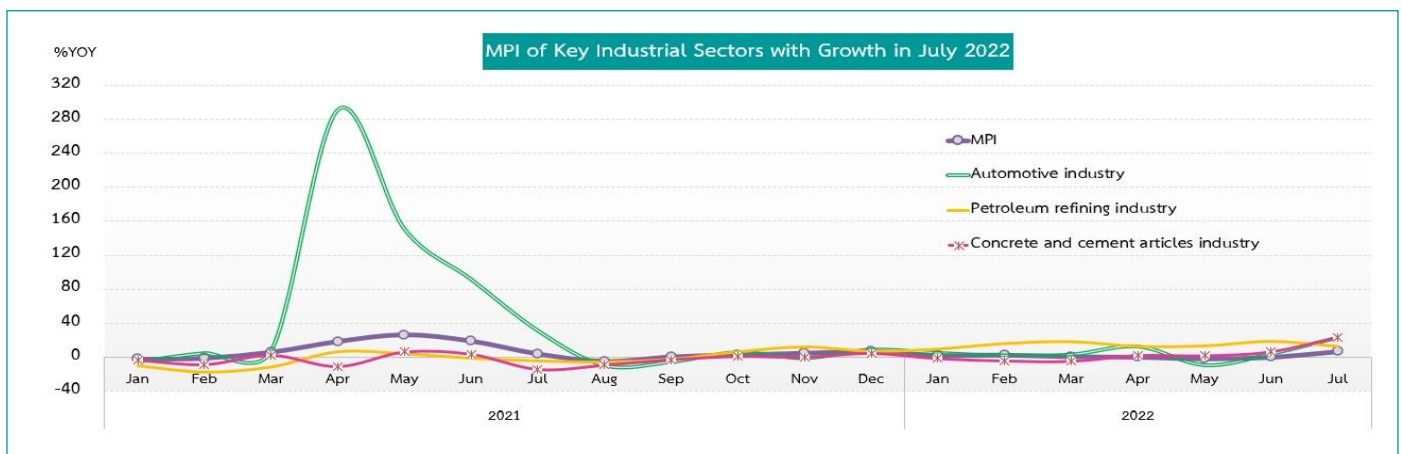
The MPI of the **automotive industry** expanded by 23.4 percent when compared to the same month last year, mainly an increase from 1-ton pickup trucks small passenger cars and diesel engines. Due to the relaxation of lockdowns and opening of the country, the demands for products both domestically and internationally increased, resulting in increased production.



The MPI of the **petroleum refining industry** expanded by 12.7 percent when compared to the same month last year, mainly an increase from high-speed diesel and jet fuel. Due to economic recovery in the country from the relaxation of pandemic control measures and opening of the country to tourists, activities, including transportation, travel and tourism, increased.



The MPI of the **concrete and cement articles industry** expanded by 23.2 percent when compared to the same month last year, mainly an increase from ready-mix concrete, concrete piles and precast concrete floors. Due to the easing of the COVID-19 pandemic, the demands for products increased, resulting in normal production and delivery.



Key Industries with Growth (Change Rate, %YOY)	2021												2022						
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
MPI	-2.4	-1.2	5.8	18.2	26.0	18.6	3.7	-4.9	0.4	2.7	4.6	6.7	2.0	2.5	0.4	-0.0	-2.0	-0.2	6.4
Automotive industry	-5.2	5.0	7.5	291.9	151.4	92.0	31.5	-9.8	-5.4	6.0	-0.9	9.1	5.1	2.2	3.3	12.8	-9.3	4.3	23.4
Petroleum refining industry	-10.6	-18.1	-12.0	6.2	3.7	-1.6	-4.8	-6.1	-2.7	6.0	11.9	6.7	9.3	15.9	18.1	12.5	13.1	18.4	12.7
Concrete and cement articles industry	-4.0	-9.1	1.9	-11.4	5.9	3.1	-14.9	-9.8	-3.3	0.5	-0.4	4.2	-2.0	-4.7	-5.2	1.7	1.3	6.0	23.2



The key industrial sectors that have contracted are:



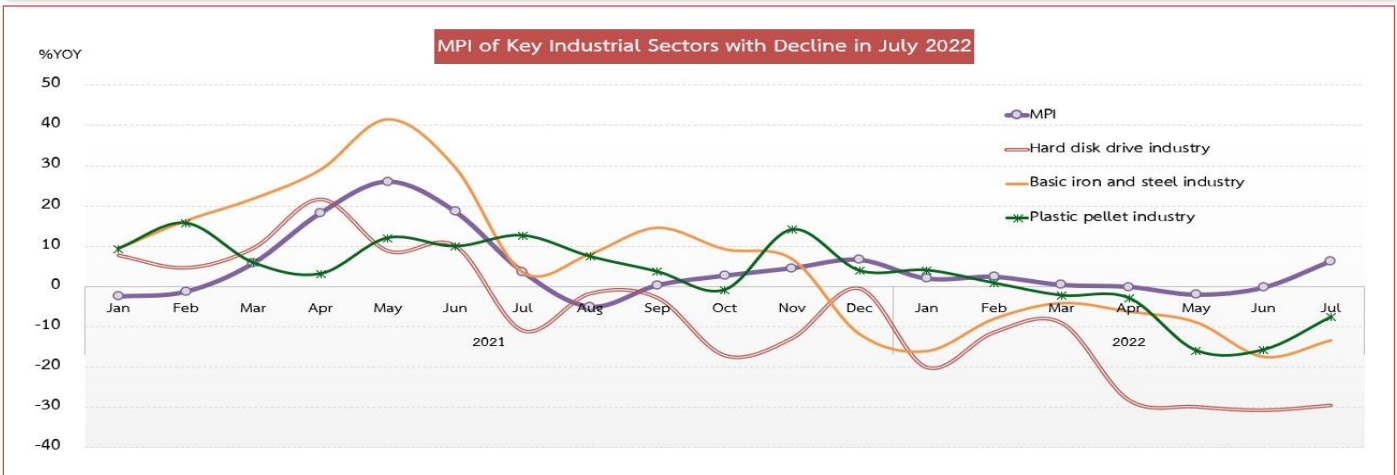
The MPI of the hard disk drive industry contracted by 29.4 percent when compared to the same month last year. The production decreased because large manufacturers reduced working days to reduce production plans, and the demands for computers and notebooks decreased.



The MPI of the basic iron and steel industry contracted by 13.3 percent when compared to the same month last year, mainly a decrease from hot-rolled sheet steel and cold-rolled sheet steel. The production decreased because the demands for products both domestically and internationally decreased after higher prices of building materials in line with production costs during inflation.



The MPI of the plastic pellet industry contracted by 7.6 percent when compared to the same month last year, mainly a decrease from polyethylene resin (PE) and ethylene. Due to the shortage of raw materials for production and higher raw material costs, some manufacturers reduced the production to comply with the less distribution.



Key Industries with Decline (Change rate, %YOY)	2021												2022						
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
MPI	-2.4	-1.2	5.8	18.2	26.0	18.6	3.7	-4.9	0.4	2.7	4.6	6.7	2.0	2.5	0.4	-0.0	-2.0	-0.2	6.4
Hard disk drive industry	7.8	4.7	9.6	21.7	8.9	10.1	-10.9	-1.7	-2.7	-17.0	-12.8	-0.4	-20.0	-11.3	-8.9	-28.1	-29.7	-30.6	-29.4
Basic iron and steel industry	9.4	16.3	21.8	28.9	41.5	29.6	3.6	8.1	14.6	9.3	6.9	-11.7	-15.9	-7.9	-4.1	-6.2	-8.8	-17.4	-13.3
Plastic pellet industry	9.4	15.7	5.9	3.1	12.1	9.9	12.7	7.4	3.7	-0.9	14.1	3.9	4.0	0.8	-2.2	-2.9	-15.9	-15.7	-7.6



The Capacity Utilization Rate in July 2022 was 61.01 percent.

Capacity Utilization Rate

Percent

July 2022

61.01

38.99

July 2021

58.10

41.90

July 2020

56.41

43.59



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