

Summary of Industrial Production in December and Overview of the Year 2021

The Manufacturing Production Index of industrial production in December 2021 increased by 6.8 percent compared to the same month last year, as a result of the expansion of key industry product such as the automotive industry, petroleum refining products industry and the sugar industry. The capacity utilization rate in December 2021 was 66.3 percent.

Overall industrial production in 2021 grew by 5.9 percent compared to the previous year. The capacity utilization rate in 2021 was 63.7 percent.

The Manufacturing Production Index of Key Sectoral Industries in December 2021

➤ The key industrial sectors that have expanded are:



The MPI of the automotive manufacturing industry grew by 9.2 compared to the same month of the previous year, mainly an increase from pickup trucks, small passenger cars, diesel engines and large passenger cars. This is due to increased demand for automobiles from trading partners as the global economy recovers.



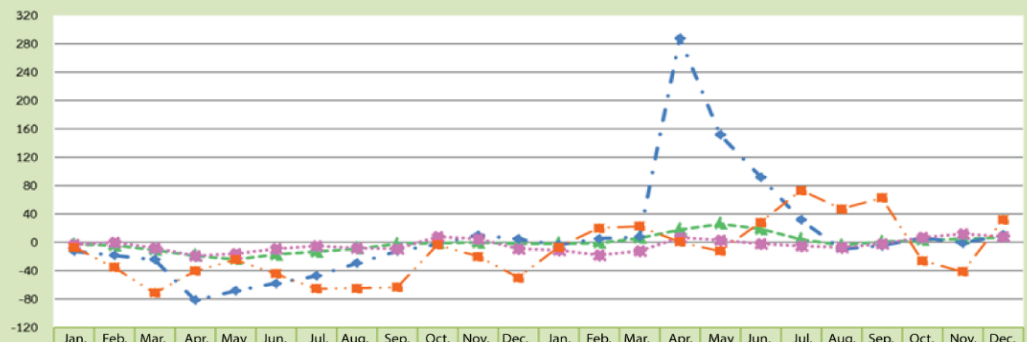
The MPI of the petroleum refining products manufacturing industry grew by 7.5 compared to the same month of the previous year, mainly an increase from high-speed diesel fuel gasoline 91 because of the relaxation of pandemic control measures and the opening of the country to tourists, economic activity has increased. This has an impact on the demand for additional oil for transportation and travel.



The MPI of the sugar industry grew by 31.5 compared to the same month of the previous year, mainly from raw sugar from sugar cane because the weather conditions are better for cultivation this year than the previous year. As a result, there will be more crushed sugar cane. Consequently, more sugar is produced.

MPI of Key Industrial Products with Growth in December 2021

Change rate compared to the same month in the previous year (%)



	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
	2020												2021											
MPI	-3.8	-4.9	-11.1	-19.1	-24.1	-17.9	-13.6	-9.3	-2.6	-1.3	-0.6	-2.8	-2.0	-1.3	5.9	18.0	25.7	18.3	3.9	-4.7	0.3	3.0	4.9	6.8
Manufacture of automobiles	-12.5	-18.7	-24.6	-81.7	-68.7	-58.1	-47.9	-29.6	-12.6	-3.3	10.0	4.5	-3.9	5.0	7.5	288.1	151.5	92.0	31.5	-9.8	-5.4	6.0	-0.9	9.2
Manufacture of refined petroleum products	-3.4	-0.4	-8.6	-19.3	-16.8	-9.9	-5.2	-8.4	-9.0	8.0	4.9	-9.8	-11.3	-18.5	-12.1	6.5	2.8	-2.4	-5.0	-7.1	-2.7	6.4	11.9	7.5
Manufacture of sugar	-7.1	-35.7	-71.5	-40.5	-24.6	-44.5	-65.9	-65.3	-63.8	-3.5	-20.0	-50.0	-7.4	19.8	22.3	0.5	-12.7	27.6	72.7	47.1	62.3	-26.3	-41.7	31.5

➤ The key industrial sectors that have contracted are:



The MPI of the fundamental iron and steel industry contracted by 11.8 percent compared to the same month of the previous year, primarily from the production of hot-rolled steel coils and steel pipes, as a result of a slowdown in product demand caused by a decrease in customer orders. This includes a production halt to maintain the machines of some manufacturers as a result of decreased production.

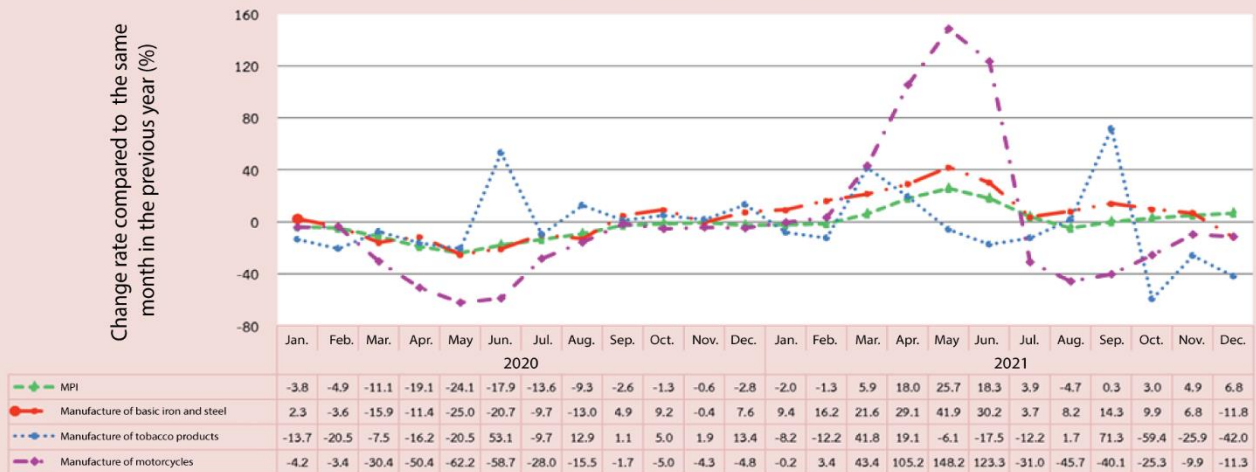


The MPI of the tobacco products industry contracted by 42.0 percent compared to the same month of the previous year, mainly from cigarettes, due to the new tax restructuring (1 October 2021), resulting in price adjustments and more competition and the economic slowdown from the pandemic of COVID-19 has made some consumers reduce or quit smoking.



The MPI of the motorcycle industry contracted by 11.3 percent compared to the same month of the previous year, because main consumers from major trading partner countries reduced their orders, resulting in reduced production.

Declined MPI of Key Industrial Sectors in December 2021



Capacity utilization rate in December 2021

stood at



Capacity utilization rate in December 2020 stood at 63.16

Capacity utilization rate in December 2019 stood at 63.18

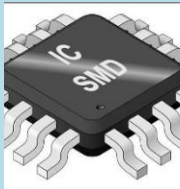
Overall industrial production in 2021, the Manufacturing Production Index grew by 5.9 percent compared to the previous year, as a result of the expansion of important industries such as the automotive industry and electronic components and circuit boards industry. For key industries that contracted, such as the petroleum refining products industry and canned seafood industry capacity utilization rate in 2021 is at 63.7 percent.

The Manufacturing Production Index of Key Sectoral Industries in the Year of 2021

➤ The key industrial sectors that have expanded are:



The MPI of the automotive manufacturing industry grew by 19.1 percent compared to the previous year, mainly from pickup trucks with a payload of 1 ton and passenger cars with a cylinder capacity of not more than 1,800 cc, due to the economic recovery of trading partners. As a result, foreign orders increased so the production has increase.



The MPI of the electronic components and circuit boards industry grew by 15.4 percent compared to the previous year, from Integrated Circuit: IC and Printed Circuit Board Assembly: PCBA. The increasing demand for products in the global market can be used in conjunction with various product groups such as cars, home appliances, electrical equipment and so on.

➤ The key industrial sectors that have contracted are:



The MPI of the petroleum refining products manufacturing industry contracted by 2.3 percent compared to the previous year, mainly from jet fuel and high-speed diesel fuel because measures to control the spread of COVID-19 at the beginning of the year resulted in restrictions on travel, transportation and reduced economic activities.



The MPI of the canned seafood industry contracted by 13.7 percent compared to the previous year, from both tuna and sardines canned, this is due to use to control the spread of COVID-19. Domestic and foreign concerns about the customer's order planning and delays the order including container shortages and rising raw material costs caused reduce production.

Capacity utilization rate in 2021

stood at

63.7

Capacity utilization rate in 2020 stood at 61.0

Capacity utilization rate in 2019 stood at 66.3