

Summary of Industrial Production in September 2021 and Quarter 3/2021

Concerning the industrial production in September 2021, the Manufacturing Production Index (MPI) has reduced by 1.3 percent, compared with the same month of the previous year, which has been caused by the shrinkage of key industries, such as computer and accessories, automobiles and products from a petroleum refinery. The Capacity Utilization Rate in September 2021 is 62.0 percent.

As for the production of the industry sector in quarter 3/2021, the MPI has reduced by 0.8 percent, compared with the same quarter of the previous year. Meanwhile, the Capacity Utilization Rate is 59.3 percent.

Manufacturing Production Indexes of Key Industries

The MPI in September 2021 has reduced by 1.3 percent, compared with the same month of the previous year. The key industries with reducing production include computer and accessories, automobiles and product from petroleum refinery as follows.



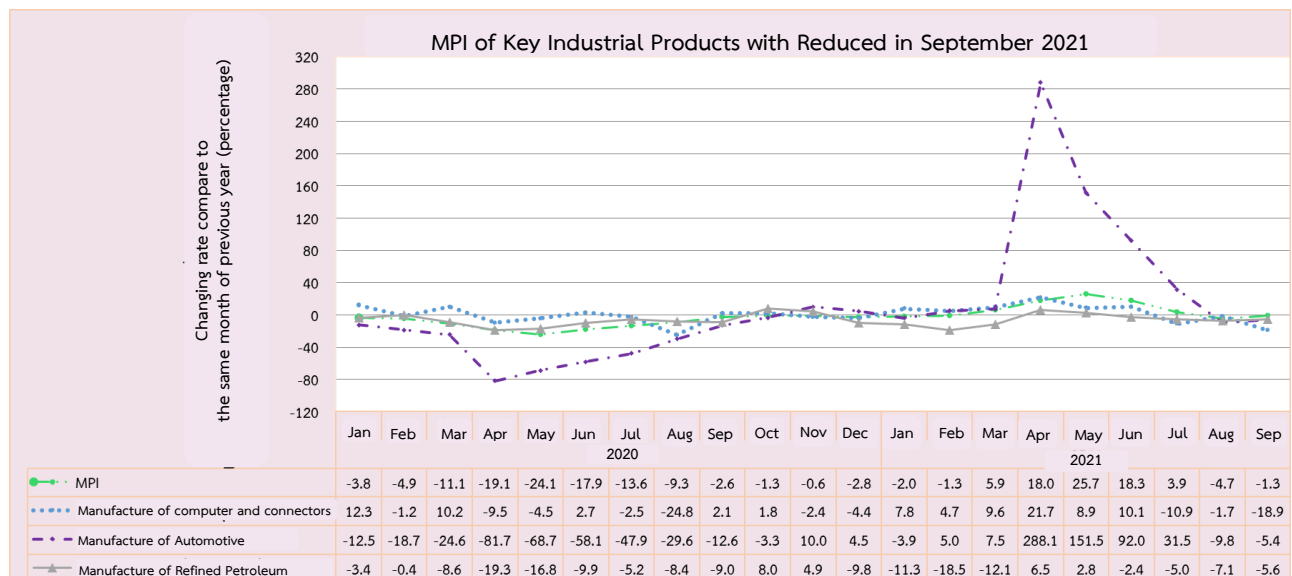
The MPI of the computer and accessory industry has reduced by 18.9 percent, compared with the same month of the previous year, due to the spreading of the COVID-19 virus in factories of Hard Disk Drives and Printers. Thus, workers with high risk have to be quarantined. In addition, there has been a problem relating to the shortage of parts for production. Consequently, the production cannot be done with full capacity and the production volume drops.



The MPI of the automobile industry has reduced by 5.4 percent, compared with the same month of the previous year, due to the shortage of semiconductor (chips) and the spreading of the COVID-19 virus that affects the production sector in the automotive industry, such as assembling plants and automotive parts manufacturing. Some manufacturers have to halt the production or close the businesses temporarily.



The MPI of products from the petroleum refinery industry has reduced by 5.6 percent, compared with the same month of the previous year, because some entrepreneurs stop the maintenance work for their refineries. In addition, the effects from the spreading of the COVID-19 virus cause the demand for instant fuel or gasoline in the country to drop to a level lower than the previous year.



The key industries with expanding production are electronic parts and integrated circuits, upstream iron and steel, air-conditioner and parts.



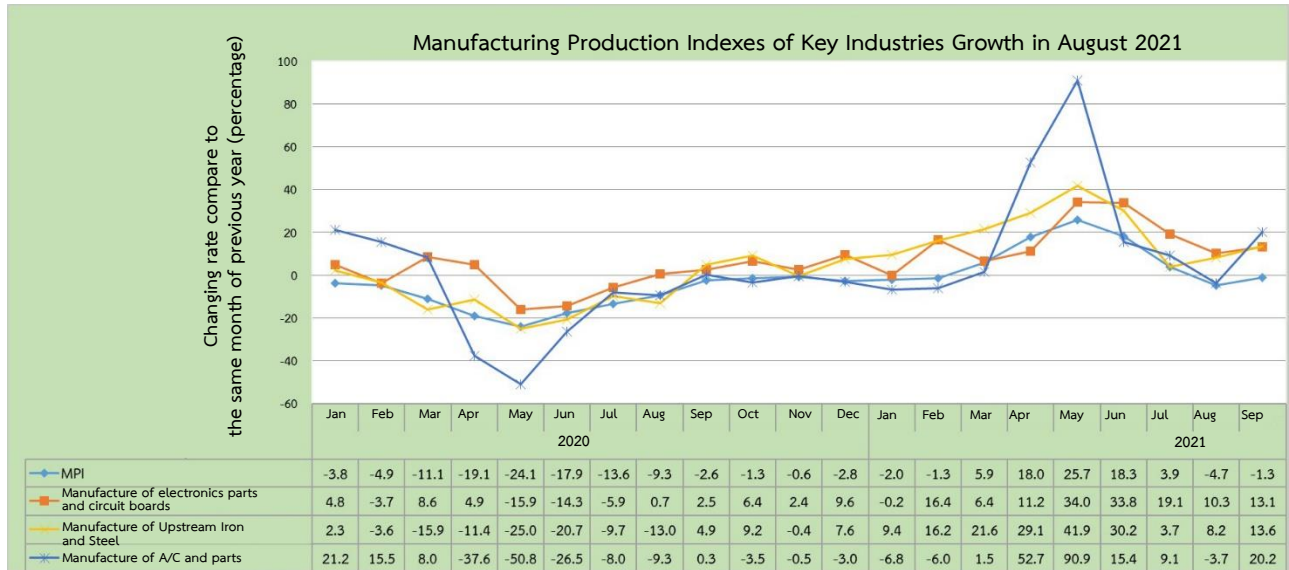
The production of the electronic parts and integrated circuits industry has expanded by 13.1 percent, compared with the same month of the previous year, because of the consistent growth of the electronics part market and the use of semiconductor (chip) as a component of modern products such as machines, electrical appliances, electronic control units (ECUs) and medical supplies.



The production of the upstream iron and steel industry has expanded by 13.6 percent, compared with the same month of the previous year, because of the demands for iron in related industries that are still growing. Especially in the automobile industry and electrical appliance industry, and because of the low baselines in the previous year, and the increase of orders after the government has loosened the lockdown measure in the last quarter of 2021.



The production from air-conditioners and the parts industry has expanded by 20.2 percent, compared with the same month of the previous year, because manufacturers have increased the production to substitute the decreased production in the past months due to the spreading of the COVID-19 virus in factories. In addition, some trade partner countries have loosened their lockdown measures, allowing more products to be exported.



Capacity utilization rate in September 2021 stood at 62.0 Percent.

As for the industrial production in quarter 3/2021, MPI reduces by 0.8 percent, compared with the same quarter of the previous year, which is resulted from the shrinkage of key industries such as products from a petroleum refinery, computers and accessories and motorcycles, with the Capacity Utilization Rate being 59.3 percent.

The MPT in quarter 3/2021 has reduced for 0.8 percent, compared with the same quarter of the previous year. The key industries with reducing production are products from petroleum refinery, computers and accessories and motorcycles



The MPI of products from the petroleum refinery industry has reduced by 5.9 percent, compared with the same quarter of the previous year, because the spreading of the COVID-19 virus has become more severe, leading to strict lockdown in the country, and some entrepreneurs stop the maintenance work for their refineries, causing the demand for instant fuel or gasoline in the country to drop.



The MPI of the computer and accessory industry has reduced by 11.2 percent, compared with the same quarter of the previous year, due to the severe spreading of the COVID-19 virus in factories of Hard Disk Drives and Printers. Thus, the production capacity is inferior to that in the normal situation.



The MPI of the motorcycle industry has reduced by 39.4 percent, compared with the same quarter of the previous year, due to the shortage of parts for production and the spreading of the COVID-19 virus inside and outside the country. Consequently, the demands for domestic purchases and exports have dropped.

The key industries with expanding production are electronics parts and integrated circuits, other rubber products, and upstream plastic and synthetic rubber.



The production of the electronic parts and integrated circuits industry has expanded by 14.1 percent, compared with the same quarter of the previous year, because of the increasing demand for more electronics parts to be used as components of new technological products although there is the problem of the shortage of semiconductors in the worldwide scale, which has affected the chain of the production of electronics devices of many types.



The production of other rubber products industry has expanded by 13.9 percent, compared with the same quarter of the previous year, because the economy of trade part countries has begun to recover after the COVID-19 situation in foreign countries has become more relaxed. Consequently, demands for rubber products are rising.



The production from the plastic and synthetic rubber industry has expanded by 6.7 percent, compared with the same quarter of the previous year. The volumes of the production of almost all products are rising because the COVID-19 situation has become more relaxed, bringing purchase power and demands for products back to normal.

Capacity utilization rate in Quarter 3/2021 stood at

59.3

Percent.