

Industrial Production Status

Indicators	2020	2021	2021					2022							
	Year	Year	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.
MPI	-9.5	5.9	-4.9	0.4	2.7	4.6	6.7	2.0	2.5	0.4	-0.03	-2.0	-0.2	6.4	14.5

The industrial economic status in **August 2022**, when considered from **the Manufacturing Production Index (MPI)**, grew by **14.5 percent from the same period last year**, from an advantage of the low base last year, which was a period where the outbreak was relatively severe. Additionally, domestic economic activities improved gradually this year following the COVID-19 outbreak that has eased to nearly normal conditions.

When considering MPI data for the past three months compared to the previous year (% YoY), production in May and June 2022, decreased by 2.0 and 0.2 percent, respectively, but increased by 6.4 percent in July.

Indicators	2021					2022							
	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.
MPI	-3.6	9.3	2.9	3.3	1.5	2.1	-2.6	8.1	-17.0	7.6	-0.3	-2.2	3.7

In the past three months (May, June, and July 2022), the MPI change rates (%MoM) were as follows: an increase of 7.6 percent in May, a decrease of 0.3 percent in June, and a decrease of 2.2 percent in July.

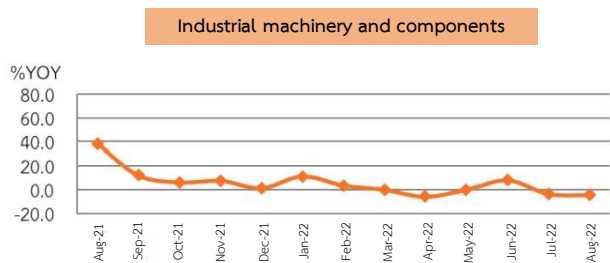
Key industries that contributed to the MPI expansion in August 2022 compared to the same month last year were:

- Automobiles grew by 63.37 percent following the growth of the domestic and export markets from the low base last year due to the COVID-19 pandemic, causing many infected workers and many parts factories to close and lock down in some areas temporarily.
- Petroleum refinery grew by 17.6 percent in line with the recovery of domestic economic activities after the country's reopening to foreign tourists. In addition, domestic tourism grew with more people traveling and goods being transported, which was different from the previous year when the pandemic was more severe.
- Air conditioners grew by 54.62 percent from last year's low base from the spread of COVID-19, causing many infected workers and incomplete production. In addition, this year, production grew to support export markets that expanded in line with trading partner economies, including accelerated production to deliver and support the trade show held in September 2022.
- Electronic components grew by 15.61 percent, following the global electronic parts market. Electronic components are an essential part of producing products in many industries.
- Motorcycles grew by 131.01 percent, in line with the growth of both domestic and export markets from a low base after the COVID-19 outbreak last year. As a result, in the previous year, there was a shortage of parts due to many workers in parts factories becoming infected with COVID-19, causing motorcycle production not to reach its full potential.

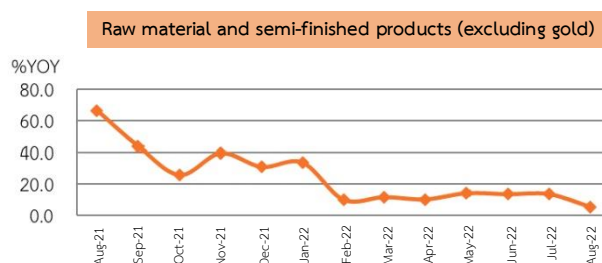
Other Industrial Economic Indicators in August 2022

Other Industrial Economic Indicators in August 2022

■ Imports of Thailand Industrial Sector



Source: Ministry of Commerce

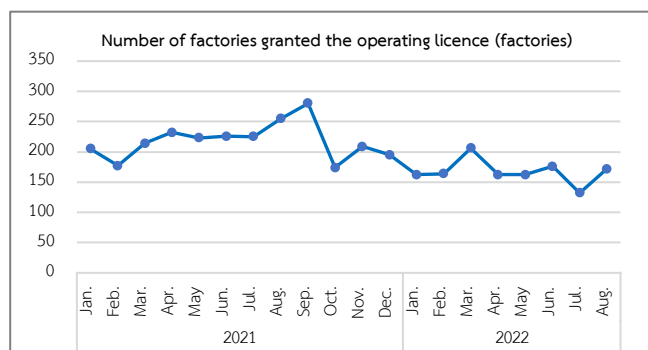


Source: Ministry of Commerce

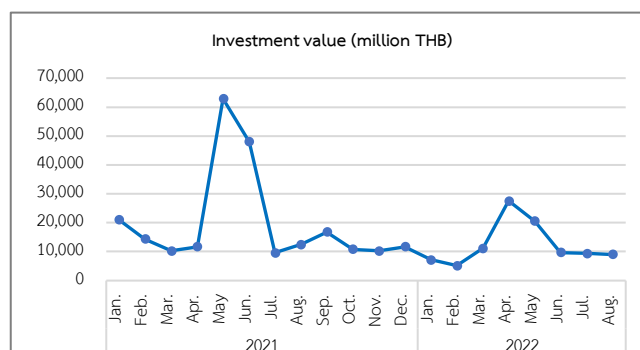
⊖ Imports of industrial machinery and components in August 2022 were valued at 1,591.5 million USD, a contraction of 4.4 percent compared to the same month last year. The contraction came from the decline in imports of air pumps, liquid pumps, and machinery and equipment used to process rubber or plastics. Meanwhile, the imports of machinery used in construction and components, machinery in the printing industry, and other industrial machinery and parts grew.

⊕ Imports of raw materials and semi-finished products (excluding gold) in August 2022, valued at 10,343.2 million USD, a growth of 5.4 percent compared to the same month last year, growing for the 19th consecutive month. The increase came from electrical equipment and electronic components such as circuit boards, diodes, transistors and semiconductors, fertilizers, and pesticides.

Industrial Operation Status



Source: Department of Industrial Works



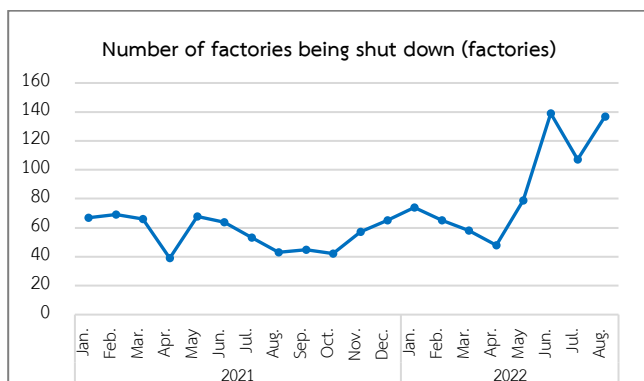
Source: Department of Industrial Works

- + The total number of factories licensed for operation in August 2022 was 172 factories, increasing by 30.3 percent (%MoM) from July 2022 but decreasing by 32.55 percent (%YoY) from the same month last year.
- The total investment from factories licensed for operating in August 2022 decreased by 2.98 percent (%MoM) from July 2022 to 9,094 million THB and decreased by 27.04 percent (%YoY) from the same month last year.

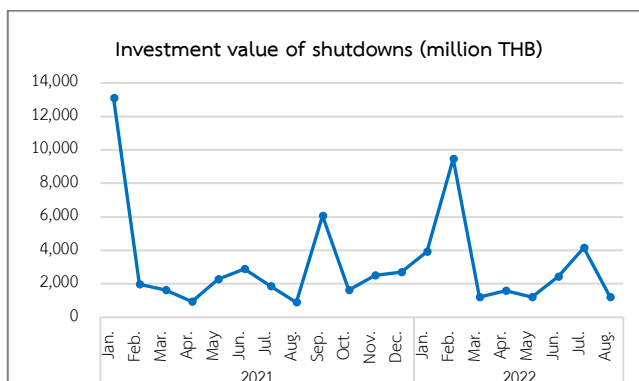
"The industry with the highest number of newly licensed factories to operate in August 2022 was the manufacture of concrete, ready-mixed concrete articles, and gypsum products (33 factories), followed by the excavation or dredging industry of gravel, sand, or soil (24 factories)."

"In August 2022, the industry with the highest investment value was the manufacturing industry of substances intended for use in the diagnosis, cure, mitigation, treatment, or prevention of disease (2,876 million THB), followed by the (671 million THB)."

■ Industrial Operation Status (cont.)



Source: Department of Industrial Works



Source: Department of Industrial Works

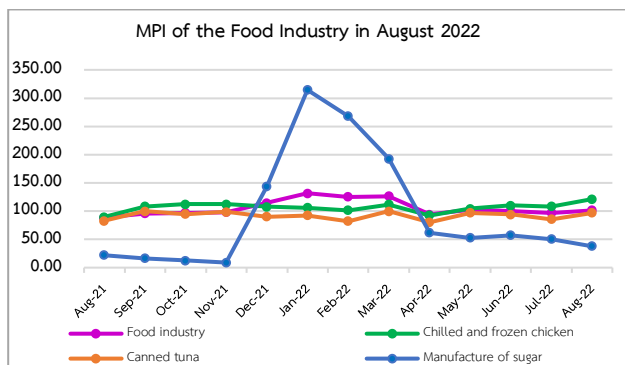
- A total of 137 factories were shut down in August 2022, increasing by 28.04 percent (% MoM) from July 2022 and increasing by 218.6 percent (% YoY) from the same month last year.
- + The lost investment value on shutdown in August 2022 totaled 1,223 million THB, decreasing by 70.59 percent (%MoM) from July 2022 but increasing by 37.84 percent (%YoY) from the same month last year.

“In August 2022, the industry with the highest number of factory shutdowns was the excavation or dredging industry of gravel, sand, or soil (54 factories), followed by the sand dredging industry (15 factories).”

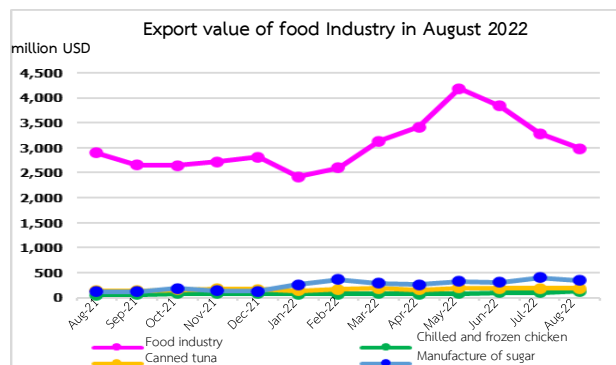
“In August 2022, industries that were shut down with the highest investment value were the excavation or dredging industry of gravel, sand, or soil (326 million THB), followed by the manufacturing industry of fixtures or lamp, sockets, or receptacles, conductor, and connectors (106 million THB).”

Industrial Economic Status by Industrial Sectors in August 2022

1. Food Industry



Source: The Office of Industrial Economics



Source: Ministry of Commerce

+ **Production:** In August 2022, the production in the food industry grew by 13.2 percent (%YoY) compared to the same period last year. The production of food products that increased included, 1) White sugar grew by 184.9 percent, as domestic and international consumer demand increased as a result of the gradual economic recovery. 2) Livestock grew by 36.2 percent, mainly from frozen and chilled chicken, which increased by 35.0 percent from the relaxation of various measures, resulting in such products being in demand in both domestic and international markets. Additionally, China unlocked measures to suspend frozen chicken imports from Thai factories so more products could be exported to China. Furthermore, Thailand was looking for export markets in Saudi Arabia when China suspended imports. 3) Prepared animal feed grew by 11.0 percent, mainly from pet food, which grew by 22.0 percent from the growing popularity of animal raising worldwide. As a result, the pet food market grew steadily. The major markets were the US and Japan. 4) Fisheries grew by 11.8 percent from major products such as frozen fish, which grew by 22.7 percent due to increased consumer demand in domestic and foreign markets.

However, there was still a contraction in the production of some food products, such as cassava, which contracted 8.3 percent from tapioca starch (decreasing by 9.6 percent) due to the end of the harvest season whereby fewer cassava tubers were released to the market. Additionally, it was the closing period for machinery maintenance for tapioca starch factories. Processed vegetables and fruits decreased by 4.9 percent. The top three products that contracted were canned pineapples (-56.6%), canned sweet corn (-19.3%), and other canned fruits (-7.4%).

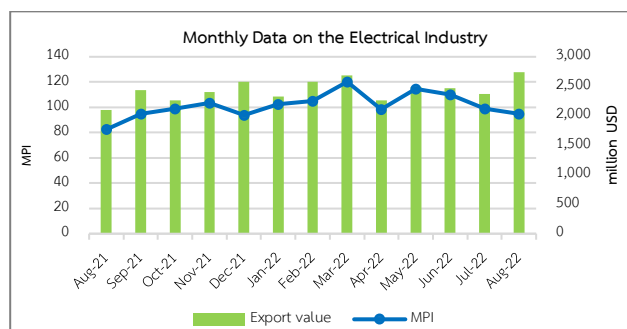
+ **Domestic sales:** The production for domestic food sales in August 2022 grew by 1.4 percent (%YoY) due to the growth of food products, including 1) Ready-to-cook packaged meals which increased by 115.4 percent. 2) Other canned fruit products, which grew by 114.5 percent. 3) Fruit juice beverages grew by 85.5 percent. 4) Seasoned cooked chicken meat, which grew by 55.8 percent.

+ **Export markets:** Overall, food exports in August 2022 increased by 2.9 percent compared to the same period last year from the following products: 1) Cassava products because China, which is the primary market, imported cassava chips for use in the production of ethanol, animal feed, and cassava starch for use in the food industry. 2) Livestock from the main commodities, which were chilled and frozen chicken. The main markets were China and Japan. 3) Cane sugar and molasses from the main products are sugar. The main markets were Indonesia and Malaysia.

Forecasts and trends: *In September 2022, the overall food industry's MPI and export value will increase compared to the same period last year. The development comes from government measures resulting in a recovery of economic activity. Moreover, the gradual arrival of tourists resulted in a continuous improvement in the tourism sector. However, the global economic and financial situation still needs to be monitored. This is due to the adjustment of interest rates and inflation in many countries. Additionally, production costs increased from higher raw material prices, energy prices, and transportation costs due to the volatility of the global economy, which has tended to slow down due to the economic recession."*

2. Electrical and Electronics Industry

■ Electrical Industry



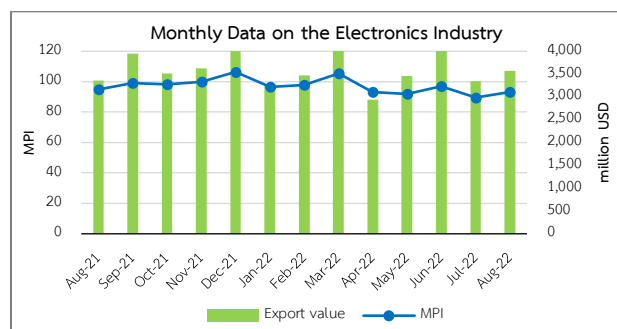
Source: The Office of Industrial Economics, Electrical and Electronics Institute, and Ministry of Commerce

➕ **Production of electrical appliances** reached an MPI of 94.9, an increase of 14.9 percent compared to the same month last year. Products that saw a rise included rice cookers, electric kettles, household fans, microwave ovens, cables, washing machines, compressors, refrigerators, electrical cables, and electric motors, which increased by 14.3 percent, 13.7 percent, 11.4 percent, 9.8 percent, 9.4 percent, 5.7 percent, 3.5 percent, 3.5 percent, 2.5 percent, and 1.8 percent, respectively, due to more foreign orders. Meanwhile, the products that decreased were electric transformers and air conditioners by 25.6 and 10.6 percent, respectively, due to a decrease in domestic demand and foreign orders.

➕ **Exports of electrical appliances** valued at 2,742.0 million USD, an increase of 10.8 percent compared to the same month last year. Products with increased orders were DC generators valued at 1.5 million US, a 193.9 percent increase in ASEAN and Japan markets. Electric wires and wire harnesses are valued at 1.5 million USD, up 38.8 percent in the US and European markets. Meanwhile, products with lower orders were refrigerators, down 3.8 percent in European and Japanese markets, and washing machines, down 4.5 percent in ASEAN and Japan markets.

“In September 2022, production in the electrical appliance industry is forecasted to increase by about 8.0 to 10.0 percent compared to the same month last year, from the domestic economy expanding from the country’s reopening. In addition, the demand for electrical products in the world market is expected to continue to increase.”

■ Electronics Industry



Source: The Office of Industrial Economics, Electrical and Electronics Institute, and Ministry of Commerce

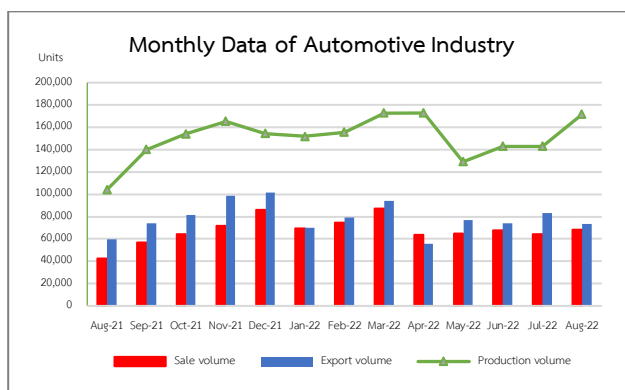
➖ **Production of electronics** reached an MPI of 93.0, a contraction of 2.1 percent compared to the same month last year. Products that contracted were PWB and integrated circuits, by 6.6 percent and 5.5 percent, respectively, due to a decrease in domestic sales and foreign orders. Meanwhile, products that increased were PCBAs and semiconductor device transistors by 29.5 percent and 12.4 percent, respectively, due to increased demand in domestic and foreign markets

➕ **Exports of electronics products** valued at 3,566.1 USD, an increase of 17.8 percent compared to the same month last year. The products with increased orders were HDDs, valued at 558.5 million USD, a 43.7 percent increase from European and China markets. Diodes, transistors, semiconductors, and components were valued at 87.0 million USD, a 13.9 percent increase from European and China markets

“In September 2022, production in the electronics industry is expected to decline slightly by 0.2 to 3.0 percent compared to the same month last year due to inflation and interest rates that are in an uptrend, causing the slowdown in demand for electronic products.”

3. Automotive Industry

■ Automotive Manufacturing Industry



Source: The Office of Industrial Economics who obtained data from Automotive Division, Federation of Thai Industries.

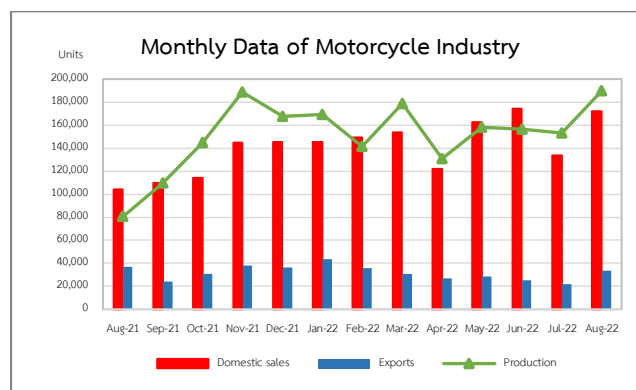
+ **Automotive production:** in August 2022 reached 171,731 units, an increase of 20.13 percent from July 2022 (%MoM) and 64.90 percent from the same month last year (%YoY) from an increase in passenger cars, one-ton pick-up trucks and derivatives, and commercial vehicles. The increase was also from the low car production in the same month last year due to the lockdown of the COVID-19 outbreak.

+ **Domestic automobile sales:** in August 2022 reached 68,208 units, an increase of 6.52 percent from July 2022 (%MoM) and 61.72 percent from the same month last year (%YoY), due to a rise in sales of passenger cars, one-ton pick-up trucks, commercial vehicles and PPV vehicles combined with SUVs, from government stimulus measures to support those affected by COVID-19 and the relaxation of COVID-19 control measures resulting in a constant increase in tourists and investors, including farmers' income insurance.

+ **Automobile exports:** in August 2022 reached 73,325 units, an 11.75 percent decrease from July 2022 (%MoM) but an increase of 23.09 percent from the same month last year (%YoY). Export markets grew in Asia, Oceania, the Middle East, Africa, and Central and South America.

“The automobile manufacturing industry in September 2022 is expected to increase compared to September 2021 due to the low car production base in September 2021 from the lockdown of the COVID-19 outbreak.”

■ Motorcycle Manufacturing Industry



Source: The Office of Industrial Economics who obtained data from Automotive Division, Federation of Thai Industries.

+ **Production of motorcycles** in August 2022 reached 189,707 units, an increase of 23.85 percent from July 2022 (%MoM) and 135.74 percent from the same month last year (%YoY), due to an increase in the production of multipurpose and sports motorcycles from the low motorcycle production base in the same month of the previous year from the COVID-19 lockdown.

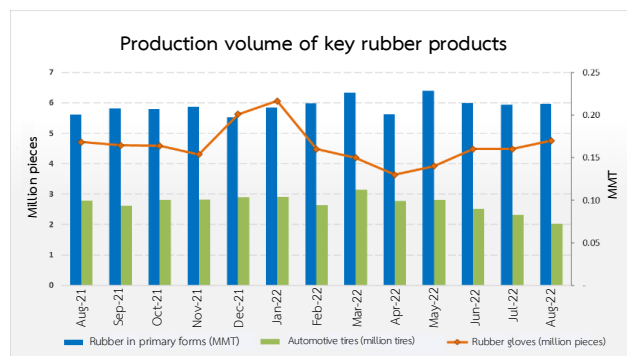
+ **In August 2022, domestic sales of motorcycles** increased by 28.41 percent (%MoM) from July 2022 to 171,835 units and increased by 64.56 percent (%YoY) over the same month last year from an increase in sales of 51-110 cc, 111-125 cc, 126-250 cc, and 251-399 cc engine motorcycles.

+ **Exports of motorcycles** in August 2022 reached 33,307 units, an increase of 56.67 percent from July 2022 (%MoM) but a decrease of 9.44 percent from the same month last year (%YoY), with exports decreasing in the UK, Taiwan, and Canada markets.

“Motorcycle industry outlook for September 2022

“The motorcycle manufacturing industry in September 2022 is expected to grow compared to September 2021 due to the low motorcycle production base in September 2021 from the impact of the COVID-19 outbreak.”

4. Rubber and Rubber Product Industry



Source: The Office of Industrial Economics

Production

➕ Processed rubber in primary forms (smoked rubber sheets, block rubber, and concentrated latex) increased by 1.76 percent, mainly from block rubber production.

➕ Automotive tires increased by 6.24 percent from the production of passenger car tires, pick-up truck tires, truck and bus tires, and tractor tires

➖ Rubber gloves decreased by 27.61 percent, in line with the slowdown in both domestic and foreign markets.

Domestic Sales

➖ Processed rubber in primary forms (smoked rubber sheets, block rubber, and concentrated latex) decreased by 15.63 percent due to the decrease in demand for rubber sheets, blocked rubber, and concentrated latex.

➕ Automotive tires increased by 8.33 percent following the expansion of the replacement market and domestic automotive industry.

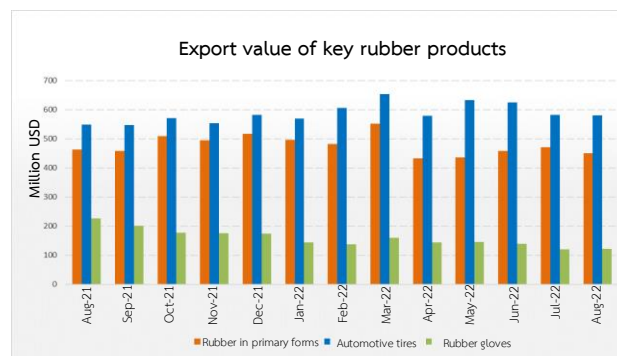
➖ Rubber gloves decreased by 25.47 percent from the country's decreased demand for rubber gloves for disease prevention.

Exports

➖ Processed rubber in primary forms (smoked rubber sheets, block rubber, and concentrated latex) decreased by 2.82 percent due to the decrease in the export of rubber sheets to China markets and concentrated latex to the Malaysian markets.

➕ Automotive tires increased in value by 5.70 percent from good growth of exports to South Korea, Malaysia and Vietnam.

➖ Rubber gloves increased in value by 46.73 percent as the price of rubber gloves decreased in the past



Source: Ministry of Commerce

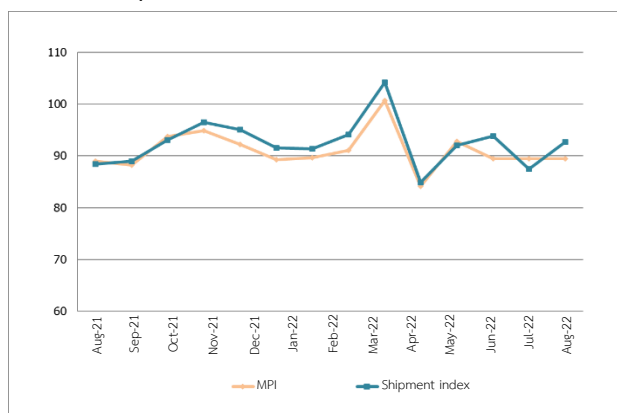
Outlook for the industry in September 2022

The production of processed rubber in primary forms (smoked rubber sheets, block rubber, and concentrated latex) is expected to slow down due to the declining demand for rubber sheets and concentrated latex domestically and internationally. This was coupled with the heavy rain in the rubber tapping area, which decreased the amount of rubber entering the market. The production of tires is expected to grow due to the market demand remaining high. Meanwhile, domestic tire sales are expected to grow in line with the growth of the domestic automotive industry. The production and domestic sales of rubber gloves are expected to slow as the country's demand for disease prevention continue to decrease.

Exports of processed rubber in primary forms (smoked rubber sheets, block rubber, and concentrated latex) are expected to decrease in value as China, an important export market for rubber sheets, block rubber, and latex, is expected to slow down purchases from Thailand. The export value of tires is expected to increase steadily from the good growth of exports to secondary markets such as Malaysia, Vietnam, Germany, and Saudi Arabia, which have grown continuously. As for the export of rubber gloves, the value of rubber gloves exports is expected to continue to decline due to the high base of exports last year and the price of rubber gloves that has dropped significantly from before

5. Plastics Industry

MPI and Shipment Index



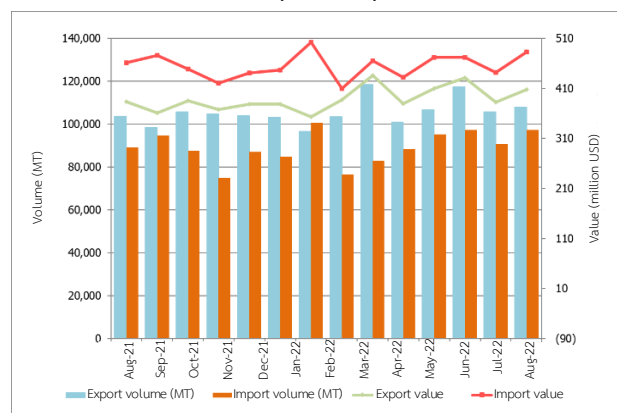
Source: The Office of Industrial Economics

+ **Manufacturing Production Index** in August 2022 grew by 1.39 percent compared to the same period last year. The MPI expanded in many products, such as plastic bags, by 17.31 percent, tableware, kitchen, and bathroom appliances by 9.33 percent, and plastic film by 3.74 percent.

+ **Shipment Index** in August 2022 grew by 4.09 percent compared to the same period last year. Products that saw growth were tableware, kitchen and bathroom appliances by 18.82 percent, plastic bags by 16.16 percent, and plastic film by 10.02 percent.

+ **Exports** in August 2022 were valued at 407.98 million USD, an increase of 13.02 percent compared to the same period last year. Plastic products that contribute to the increase of export from the same period last were sanitary ware products (HS 3922) (82.71%), articles for the conveyance or packing of goods (HS 3923) (21.04%), and household articles (HS 3924) (18.92%).

Volume and value of exports-imports

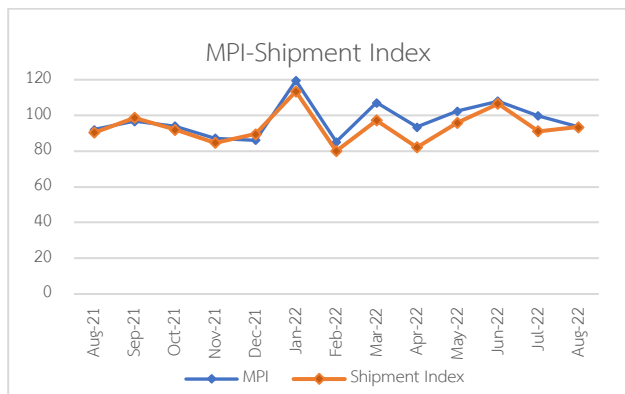


Source: Office of the Permanent Secretary, Ministry of Commerce

+ **Imports** in August 2022 increased in value by 1.46 percent compared to the same period last year to 482.43 million USD. Key products contributing to an increase in imports from last year were monofilament (HS 3916) (42.24%), floor covering of plastics (HS 3918) (24.51%), and sanitary ware products (HS 3922) (22.92%).

Plastics industry outlook for September 2022. The situation relaxes the measures to enter the country helps to stimulate more tourism from foreigners; as a result, the related plastic industry tends to increase its production. However, the depreciation of the Baht will affect imports, and exports will decline in line with the global economic slowdown.

6. Chemical products Industry

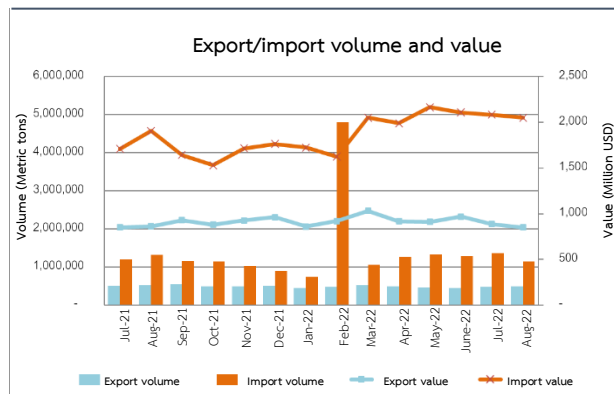


Source: The Office of Industrial Economics

+ **Manufacturing Production Index** in August 2022 stood at 93.54 points, increasing by 2.47 percent compared to the same period last year. The production of downstream chemicals grew 4.3 percent compared to the same period last year. Products with an increase in production were plastic emulsion paint (41.40%), industrial paint (30.11%), and soap and skin nourishing products (28.07%). As for upstream chemicals, production decreased by 3.18 percent compared to the same period last year, and products with the decrease in output were Hydrochloric acid (-10.58%), Chlorine (-5.09%), and caustic soda (-3.09%).

+ **Shipment index** in August 2022 stood at 93.43 points, increasing from the same period last year by 4.49 percent. Upstream chemicals' shipment index grew by 7.76 percent. Products with the increase in shipment index were loose powder (30.87%) and soap and skin nourishing products (27.37%), and washing powder (20.96%). As for downstream chemical products, the shipment index decreased by 7.00 percent. Products with the decrease in production were chlorine (-13.67%), caustic soda (-11.03%), and hydrochloric acid (-3.32%).

- **Exports** in August 2022 was valued at 852.01 million USD, a decrease of 1.14 percent compared to the same period last year. Export value of upstream chemical products reached 488.65 million USD, decreasing by 6.4 percent. As for downstream chemical products, export value was valued at 363.36 million USD, up 6.94 percent compared to the same period last year. Products contributing to the increment of export value were inorganic chemicals (24.26%), surfactants (15.89%), and cosmetics (12.10%).

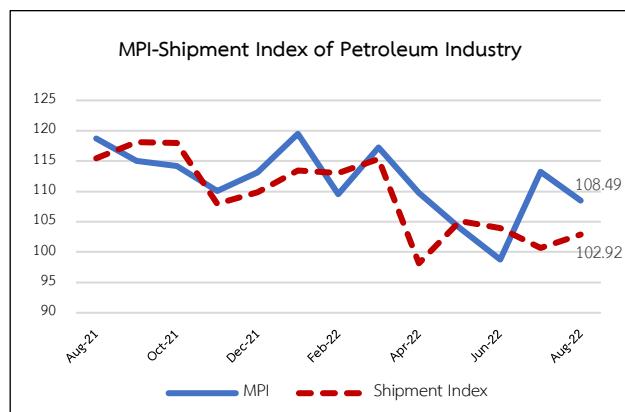


Source: Office of the Permanent Secretary, Ministry of Commerce

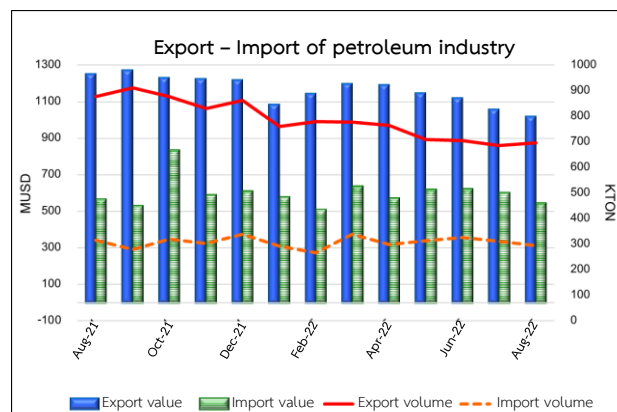
+ **Imports** in August 2022 were valued at 2,049.96 million USD, an increase of 7.53 percent from the same period last year. Imports of upstream chemical products increased in value by 1.71 percent from last year to 1,332.89 million USD. Likewise, imports of downstream chemical products increased in value by 20.30 percent from last year to 717.07 million USD.

Chemical Industry Outlook: In September 2022 expects that the country's reopening to tourists will positively affect the domestic economic recovery. Meanwhile, the manufacturing sector will be in a better position, in line with the increased index, domestic orders, and sales from the previous month. However, world energy prices need to be monitored as they affect the production costs of related chemical industries.

7. Petrochemical Industry



Source: The Office of Industrial Economics



Source: Office of the Permanent Secretary, Ministry of Commerce

➖ Manufacturing Production Index: The MPI reached 108.49 points, or a contraction of 8.47 percent compared to the same period last year and by 2.90 percent compared to the previous month. Products that contracted were basic petrochemicals, including Toluene, by 19.26 percent compared to the same period last year, and downstream petrochemicals, namely PS Resin and PP Resin, by 7.91 and 3.04 percent compared to the same period last year

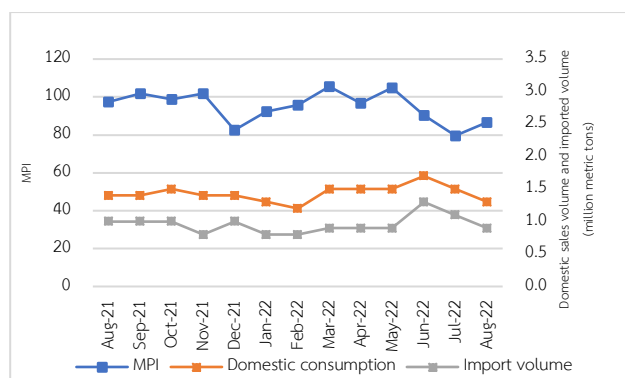
➕ Shipment Index: The Shipment Index reached 102.92, a contraction of 9.78 percent compared to the same period last year but an increase of 2.37 percent compared to the previous month. Products that contracted were basic petrochemicals, namely Propylene, by 15.15 percent compared to the same period last year, and downstream petrochemicals, namely PS Resin and PE Resin, by 15.73 and 5.22 percent compared to the same period last year.

➖ Exports: In August 2022 exports were valued at 1,022.42 million USD, or a contraction of 18.44 percent compared to the same period last year and 3.46 percent compared to the previous month. This was a contraction in downstream petrochemicals such as PS Resin and basic petrochemicals such as Propylene and Vinyl Chloride.

➖ Imports: In August 2022, imports were valued at 548.93 million USD, or a contraction of 3.46 percent compared to the same period last year and 6.63 percent compared to the previous month. Products that contracted were downstream petrochemicals, such as PP Resin and PVC Resin, and basic petrochemicals, such as Vinyl Chloride.

Forecasts and trends: In September 2022, it is expected that the overall industry will slow down compared to the same period last year to slow exports, especially basic petrochemicals, such as Ethylene and Propylene. The slowdown is expected to be caused by rising prices in line with crude oil prices caused by production shutdowns in many countries from the protracted Ukrainian-Russian war, the China-Taiwan conflict, strikes in South Korea, and terrorism in the Middle East. In addition, OPEC countries have not considered increasing production. Russia, a major global energy producer, has stopped supplying natural gas to European countries. Furthermore, the announcement of US interest rates to slow down inflation has raised the Dollar and affected the global economic situation, signaling a slowdown, causing the purchasing power to slow down, causing a decrease in demand.

8. Iron and Steel Industry



Source: The Office of Industrial Economics / Iron and Steel Institute of Thailand

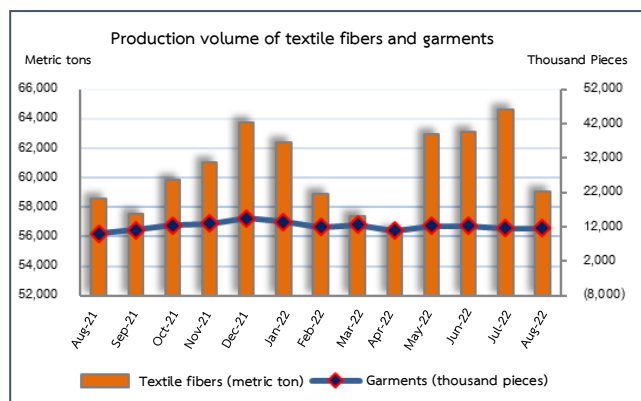
➔ In August 2022, the manufacturing production index stood at 86.6 point, a decrease of 7.9 percent compared to the same period last year, due to domestic economic conditions and construction investment which continued to slow down. In addition, there are steel imports from foreign countries whose prices are lower. Considering key products, the MPI contracted in both long and flat products. Long products had an MPI of 78.59, contracting 0.1 percent. The MPI of products that contracted the most were round bars, by 58.3 percent, followed by hot-rolled structural steel and steel wires, by 38.5 and 24.8 percent, respectively. The MPI of flat product was 89.1 points, a contraction of 21.7 percent. Products that contracted in MPI the most were cold-rolled sheets by 37.1 percent and galvanized sheets and hot-rolled coils by 23.4 and 15.4 percent, respectively.

➔ In August 2022, domestic consumption reached 1.3 million metric tons, a 7.0 percent contraction compared to the same period last year. Flat product reached 0.9 million metric tons, shrinking 11.9 percent, from hot-rolled sheet consumption, by 21.9 percent, followed by cold-rolled sheets and tinplate by 12.6 and 7.3 percent, respectively. Meanwhile, the consumption of long products was 0.4 million metric tons, growing by 4.2 percent from the consumption of rebars and hot-rolled structural steel by 13.6 percent.

➔ In August 2022, imports reached 0.9 million metric tons, a 7.6 percent contraction compared to the same period last year. Long products had an import volume of 0.2 million metric tons, a decrease of 3.2 percent, from alloy steel wire rod imports which decreased by 65.6 percent (the main countries that Thailand imports from were China, Japan, and South Korea). This was followed by alloy steel rebars which fell by 7.0 percent (the main countries that Thailand imports from were Japan, China, and South Korea), and steel wire by 6.6 percent (the main countries that Thailand imports from were China, Japan, and Vietnam). The import volume of flat product reached 0.7 million metric tons, a contraction of 8.9 percent from the import of galvanized sheets, which contracted by 55.5 percent (the main countries that Thailand imports from are Japan, South Korea, and China), followed by hot-rolled alloy steel sheets by 41.1% (the main countries that Thailand imports from are Japan, China and South Korea), and hot-rolled carbon steel sheets by 18.5 percent (the main countries that Thailand imports from are Japan, China, and Vietnam).

“The steel industry outlook for September 2022 predicts that the MPI will shrink compared to the same period last year due to the economic slowdown and investment in construction, including foreign steel prices that have decreased, causing consumers to postpone their purchases to see the direction of prices. There are important issues that should be monitored, such as the economic situation, world trade, foreign steel prices, and the implementation of China’s steel industry policy; the world’s largest producer, consumer, and exporter of steel, because it affects the production of steel products in Thailand.”

9. Textile and Wearing Apparel Industry



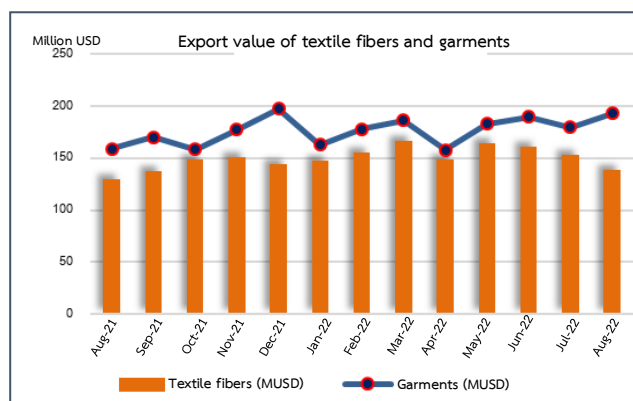
Source: The Office of Industrial Economics

Production

➕ In August 2022 compared to the same month last year, production of textile fibers grew by 0.74 percent in artificial yarns and fabrics by 22.75 percent. Synthetic woven fabrics for garments grew by 14.60 percent in the women's and girls' underwear categories. The supporting factor was an improvement in domestic demand from the relaxation of COVID-19 control measures and the influx of foreign tourists to stimulate tourism in Thailand. In addition, the economic situation of major trading partners was in a continuous recovery in both production and consumption sectors, increasing demand for textile and wearing apparel products.

Domestic sales

➕ Textile fibers, fabrics, and garments grew by 16.62 percent, 6.84 percent, and 16.57 percent (%YoY) due to the domestic economic situation and the tourism sector that returned to normal. As a result, the number of foreign tourists increased. In addition, the government had measures to promote tourism in Thailand.



Source: Ministry of Commerce

Imports

➕ Yarn and fiber grew by 23.24 percent (%YoY) in key markets, including China, Australia, Vietnam, Indonesia, and South Korea. Imports increased by 10.27 percent (%YoY) in key markets, including China, Taiwan, Japan, India, and Italy. As for garments, imports grew by 69.82 percent (%YoY) in key markets, including China, Vietnam, Italy, Cambodia, and Bangladesh

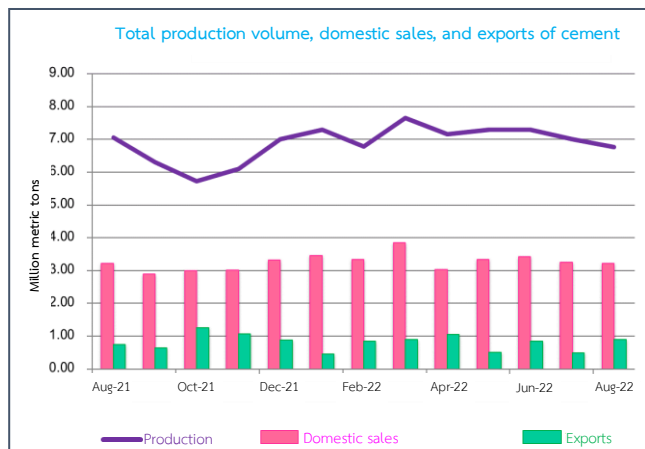
Exports

➕ *Exports of textile fibers, fabrics and garments* grew throughout the supply chain. Textile fibers, fabrics, and garments grew by 6.73 percent, 15.71 percent, and 9.72 percent (%YoY) in major markets such as the US, Japan, Vietnam, Indonesia, and India.

Industry outlook for September 2022

The production of the textile and wearing apparel industry is expected to expand throughout the supply chain due to the recovery of domestic demand as well as the demand from main trading partners that are continually increasing. As a whole, demand for products will increase. However, fluctuations in the world economy and finances need to be monitored from the uncertainty of geopolitical conflicts, the implementation of interest rate hike policy, inflation, and higher energy and raw material prices. As a result, the price of goods and materials used in production has adjusted accordingly, which affects the industrial production cost.

10. Cement Industry



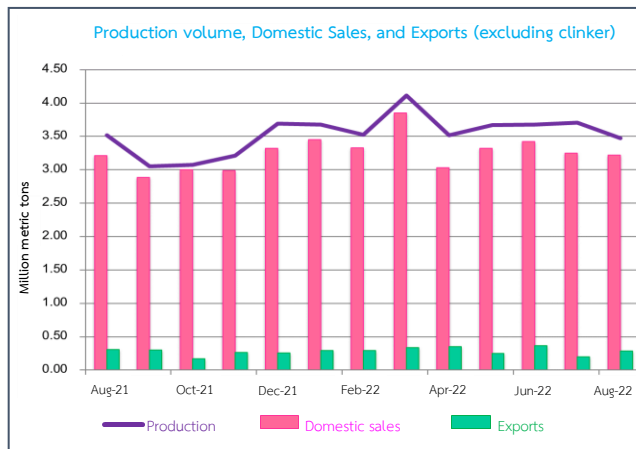
Source: 1. Domestic production and sales volume: Division of Industrial Economics Information and Indices, The Office of Industrial Economics
2. Export volume: Information and Communication Technology Center, Office of the Permanent Secretary, Ministry of Commerce.

➖ **Overall cement production** in August 2022 reached 6.77 million metric tons, a decrease of 3.32 percent from July 2022 (%MoM) and 3.93 percent from the same month last year (%YoY).

➕ **Overall domestic cement sales** in August 2022 reached 3.22 million metric tons, a decrease of 0.78 percent from July 2022 (%MoM) but an increase of 0.35 percent from the same month last year (%YoY), from the construction of large-scale government projects that went forward, continuous economic recovery from the government's reopening of the country, and easing from the COVID-19 situation.

➕ **Overall cement exports** in August 2022 reached 0.90 million metric tons, an increase of 83.23 percent from July 2022 (%MoM) and an increase of 21.58 percent compared to the same month last year (%YoY). Bangladesh and Myanmar increased orders by 49.95 percent and 7.15 percent, respectively.

Forecasts and trends: Overall cement manufacturing industry in September 2022 is expected to grow further to support the expansion of the export markets that have begun to recover.



Source: 1. Domestic production and sales volume: Division of Industrial Economics Information and Indices, The Office of Industrial Economics
2. Export volume: Information and Communication Technology Center, Office of the Permanent Secretary, Ministry of Commerce.

➖ **Cement production (excluding clinker)** in August 2022 reached 3.47 million metric tons, a decrease of 6.27 percent from July 2022 (%MoM) and a decrease of 1.36 percent from the same month last year (%YoY).

➕ **Domestic cement sales (excluding clinker)** in August 2022 reached 3.22 million metric tons, a decrease of 0.78 percent from July 2022 (%MoM) due to heavy rain and flooding. However, compared to the same period last year, it grew by 0.31 percent (%YoY) following the economic recovery from the country's opening and allowing people to do more economic activities from the relaxation of the COVID-19 control measures by the government.

➕ **Cement exports (excluding clinker)** in August 2022 reached 0.28 million metric tons, an increase of 43.53 percent from July 2022 (%MoM), but compared to the same month last year, a decrease of 7.95 percent (%YoY) from a reduction in orders from Vietnam markets by 17.05 percent.

Forecasts and trends: The cement manufacturing industry (excluding clinker) in September 2022 is expected to grow further to support the export markets.