

# News Release

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## S&P Global PMI™ Commodity Price & Supply Indicators

### Global price and supply pressures ease in October

#### Key findings

Global price pressures dip to a 27-month low in October (index at 0.9)

Reports of supply shortages the lowest in two years (index at 2.7)

Energy and semiconductors receive the greatest volume of higher prices reports

Data were collected 12-26 October.

Latest data from the Global PMI™ Commodity Price & Supply Indicators by S&P Global pointed to an overall softening in price and supply pressures across the global manufacturing sector at the start of the final quarter.

The Global Price Pressures index fell to its lowest level since July 2020 according to October data. The latest reading of 0.9 was indicative of a rise in commodity prices, but one that was softer than the long run average. Of all monitored commodities, semiconductors and energy received the greatest volumes of higher price reports.

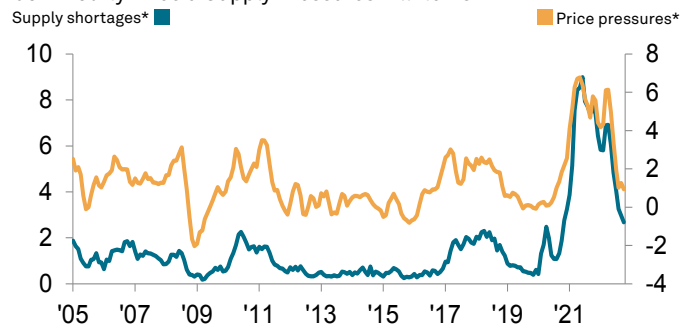
Similarly, the Global Supply Shortages Index continued its downwards trajectory in October, dipping to a two-year low. The index posted at 2.7 to signal that supply pressures were easing across the global manufacturing sector.

Commenting on the latest results, Laura Denman at S&P Global Market Intelligence said:

*"Amid downturns in output and demand on a global scale, October data signalled softer price and supply pressures across the global manufacturing sector. Reports of higher prices were the lowest since July 2020 with nearly all monitored commodities posting fewer mentions than in September - some goods even registered a decline in prices. That said, they were signs that the ongoing energy crisis is not yet resolved as signalled by reports of higher energy prices remaining historically sharp, at around 8.5 times the normal level.*

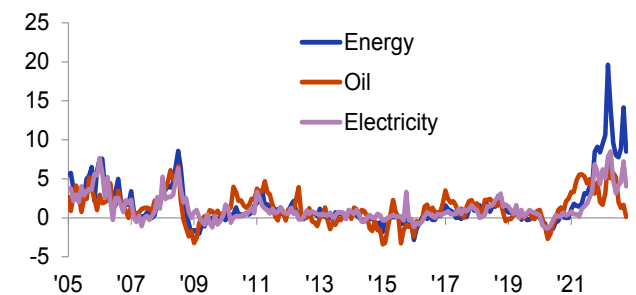
*"Concurrently, there was evidence that supply pressures were continuing to ease with reports of raw material shortages the lowest in two years. Despite this, several key commodities registered a higher number of supplier shortages reports in October, such as semiconductors, stainless steel and polypropylene. Furthermore, whilst remaining comfortably below the survey peak recorded in May, reports of transport shortages ticked up in October to a four-month high."*

Commodity Price & Supply Pressures: All Items



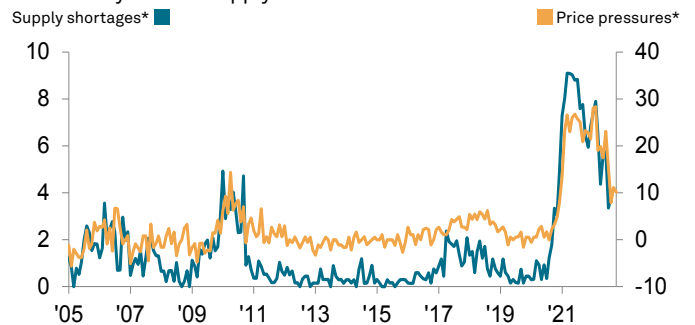
Source: S&P Global.  
\*multiple of long-run average

Global Price Pressures Index: Energy, Oil and Electricity



Source: S&P Global.  
\*multiple of long-run average

Commodity Price & Supply Pressures: Semiconductors



Source: S&P Global.  
\*multiple of long-run average

## Methodology

S&P Global PMI™ Commodity Price & Supply Indicators are derived from S&P Global's monthly Purchasing Managers' Index™ (PMI) business surveys. These surveys are highly regarded worldwide for providing accurate and timely data on economic trends.

The manufacturing PMI survey covers variables such as output, order books, employment, purchase prices, and suppliers' delivery times, with monthly data collected from approximately 10,000 companies worldwide.

When questioned about suppliers' delivery times, companies are also asked to list any specific items that have been in short supply each month. These lists of items are transformed into Supply Shortage Indicators (SSIs), which show the development of supply pressures relative to long-run trends.

When questioned about purchase prices, companies are also asked to list any specific items that have increased or decreased in price each month. These lists of items are transformed into Price Pressure Indicators (PPIs), which show the development of price pressures relative to long-run trends.

### Coverage

Historical data for the S&P Global PMI™ Commodity Price & Supply Indicators extend to January 2005.

Indices are calculated from responses to the following 15 manufacturing PMI surveys: Brazil, Canada, China, France, Germany, India, Ireland, Italy, Netherlands, Russia, South Korea, Spain, Taiwan, UK, US.

Each month's results are adjusted by survey response numbers, which accounts for different start dates across the national PMI surveys that feed into the global supply shortages dataset and any other variations in response rates.

Figures are published at the global level.

### Supply Shortage Indicators (SSIs)

SSIs are calculated from the number of purchasing managers that report a specific item to have been in short supply during the survey month. An adjustment is made each month to allow for any month-to-month variation in the total number of survey respondents. Indices are presented as a multiple of the long-run average since 2005.

The index is based such that a value of 1.0 means that supply shortages are in line with the long-run average.

Any figure above 1.0 indicates that supply shortages are above the long-run trend, and the higher the figure the greater the number of shortages relative to the average. For example, an index value of 3.0 would signal that reports of supply shortages in the reference month are three times the normal amount.

Any figure below 1.0 therefore indicates that supply shortages are below the long-run trend, and the lower the figure the fewer the number of shortages relative to the average. For example, an index value of 0.2 would signal that reports of supply shortages in the reference month are one-fifth of the normal amount.

Data are not revised after first publication.

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No significant seasonality has been detected in the main SSIs hence the SSIs are not seasonally adjusted.

### Items covered: Supply Shortage Indicators (SSIs)

The headline index is the 'All Items Index'. In addition, individual indices are published for the following 20 items and groupings: Semiconductors, Electrical Items, Oil, Transport, Chemicals, Polymers, Polyethylene, Polypropylene, PVC, Rubber, Timber, Paper, Packaging, Food, Textiles, Aluminium, Copper, Iron, Steel, Stainless Steel.

### Price Pressure Indicators (PPIs)

PPIs are calculated from the number of purchasing managers that report a specific item to have been up in price during the survey month (less the number reporting an item down in price). An adjustment is made each month to allow for any month-to-month variation in the total number of survey respondents. Indices are presented as a multiple of the long-run average since 2005.

The index is based such that a value of 1.0 means that price pressure is in line with the long-run average.

Any figure above 1.0 indicates that price pressure is above the long-run trend, and the higher the figure the faster the rate of increase relative to the average. For example, an index value of 3.0 would signal that reports of price increases in the reference month are three times the normal amount.

Any figure above 0.0 but lower than 1.0 indicates that price pressure is below the long-run trend, and the lower the figure the slower the rate of increase relative to the average. For example, an index value of 0.2 would signal that reports of price increases in the reference month are one-fifth of the normal amount.

A value of 0.0 means that prices are stable during the reference month.

Any figure below 0.0 indicates that reports of price declines exceed reports of rising prices, and the lower the figure the greater the degree of negative price pressure. For example, an index value of -3.0 would signal that reports of price declines in the reference month are three times the normal amount of price pressure.

Data are not revised after first publication.

No significant seasonality has been detected in the main PPIs hence the PPIs are not seasonally adjusted.

### Items covered: Price Pressure Indicators (PPIs)

The headline index is the 'All Items Index'. In addition, individual indices are published for the following 25 items and groupings: Semiconductors, Electrical Items, Oil, Transport, Chemicals, Polymers, Polyethylene, Polypropylene, PVC, Rubber, Timber, Paper, Packaging, Food, Textiles, Aluminium, Copper, Iron, Steel, Stainless Steel, Electricity, Energy, Gas, Cartons, Polystyrene.

For further information on the PMI survey methodology, please contact [economics@ihsmarkit.com](mailto:economics@ihsmarkit.com).

### About PMI

Purchasing Managers' Index™ (PMI™) surveys are now available for over 40 countries and also for key regions including the eurozone. They are the most closely watched business surveys in the world, favoured by central banks, financial markets and business decision makers for their ability to provide up-to-date, accurate and often unique monthly indicators of economic trends. [ihsmarkit.com/products/pmi.html](http://ihsmarkit.com/products/pmi.html).