

# GTI-WOODBASED PANEL (GTI-WBP) REPORT

## MONTHLY

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Tracking and monitoring the global woodbased panel market trend.



The pilot countries for the GTI-WBP index include Indonesia, Malaysia, Thailand, Gabon, Republic of the Congo, Ghana, Brazil, Mexico, and China. In 2023, the total production of woodbased panel in the nine countries mentioned above was 336 million cubic meters, accounting for **50.9%** of the total global production volume of woodbased panel.

## Introduction to the GTI-Woodbased Panel

GTI-Woodbased Panel (GTI-WBP), a specialized prosperity index for woodbased panel industry, reflecting the development trend of woodbased panel industry in all GTI pilot countries.

### Calculation Method

The GTI-WBP index takes leading woodbased panel enterprises in GTI pilot countries as the survey objects. Each month, the enterprises need to fill the GTI index questionnaire, including the information of production, orders and export, employees, logistic, etc. Then the GTI-WBP index will be calculated and analyzed, and the report will be released at the middle of the following month.

GTI-WBP index contains diffusion index and comprehensive index.

1. GTI-WBP diffusion index. There are 11 diffusion indices (or called sub-indices) based on the data from 11 objective questions which covers production, new orders, new export orders, existing orders, inventory of products, purchasing quantity, purchasing prices of main raw materials, inventory of raw materials, employees, delivery time, and market expectation. The diffusion index is calculated by adding the percentage of enterprises with positive answers to half of the percentage with unchanged answers.

2. GTI-WBP comprehensive index. GTI-WBP comprehensive index (GTI-WBP index for short) is calculated based on five diffusion indexes with different weights: production, new orders, inventory of raw material, employees, delivery time. The five diffusion indexes and their weights are determined according to their influence on the industrial economy.

### Interpretation

The value of the index is between 0-100%, and 50% is the critical value of the index. GTI-WBP index reading above 50 percent indicates that the industry prosperity is generally expanding; below 50 percent indicates that it is generally declining.

### Survey Method

With the support of The International Tropical Timber Organization (ITTO), the GTI platform has set up focal points in pilot countries, including timber producing and consuming countries.

At the end of each month, major leading woodbased panel enterprises are organized by focal points to fill out survey questionnaires. The questionnaire is usually filled out by the person in charge of production and operation or personnel from the statistics department. The Global Green Supply Chains Initiative (GGSC) organizes experts to analyze the collected data and prepare the GTI-WBP index report.

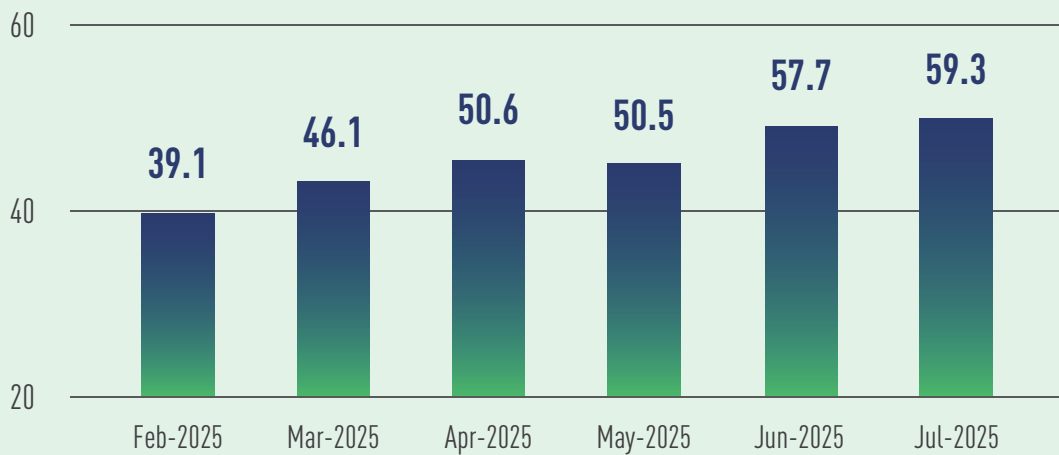
### Index Representativeness

The pilot countries for the GTI-WBP index include Indonesia, Malaysia, Thailand, Gabon, Republic of the Congo, Ghana, Brazil, Mexico and China. In 2023, the total production of woodbased panel in the nine countries mentioned above was 336 million cubic meters, accounting for 50.9% of the total global production volume of woodbased panel.

# GTI-Woodbased Panel Index in July 2025



## GTI-WBP Comprehensive Index



In July 2025, the GTI-Woodbased Panel (GTI-WBP) Index registered 59.3%, an increase of 1.6 percentage points from the previous month and above the critical value (50%) for the fourth consecutive month, indicating that in the GTI pilot countries, the overall business prosperity of wood-based panel industry represented by the index expanded from the previous month.

On the demand side, the overall demand for wood-based panels continued to grow in the GTI-WBP pilot countries, with all demand-related sub-indices above the 50% critical value. This month, the new orders index rose by 6.8 percentage points to 62.7%, the export orders index fell by 1.7 percentage points to 52.8%, suggesting that market demand (domestic demand in particular) grew compared to the previous month. In addition, the existing orders index fell by 3.4 percentage points to 51.5% (still above the critical value), indicating that the total volume of orders on hand increased slightly, though the degree of growth was smaller than that of the previous month. It is worth noting that the international market demand for wood-based panels had remained in the expansion territory for four consecutive months, one contributing factor of which is that, fearing U.S. tariff policies will push up product prices, some clients of WBP enterprises had begun stockpiling large quantities of goods in advance.

On the supply side, the supply of wood-based panels in the pilot countries showed an upward trend for the fifth consecutive month. The production index registered 63.2%, up 2.1 percentage points from the previous month. With relatively strong demand in the international WBP market, enterprises had accelerated capacity release, keeping operating

rates at a high level. In addition, the inventory index of finished products stood at 59%, remaining in the expansion territory for the third consecutive month, indicating that WBP manufacturers should remain alert to potential overcapacity risks and strengthen demand-side analysis and forecasting.

In terms of prices, the purchase price index for raw materials recorded 59.1%, remaining above the critical value for the 13th consecutive month, indicating that amid insufficient log supply in many countries, it was still difficult to alleviate cost pressure from raw materials. Data also showed that the purchase prices of raw materials increased in most pilot countries. In addition, enterprises faced cost pressure from labor, logistics, electricity, taxes, among others, and were hoping for government tax reductions or subsidies to help ease these burdens.

Main updates related to the wood-based panel market include: monitoring data from the Industrial Development Planning Institute of China's National Forestry and Grassland Administration showed that in the first half of 2025, China's plywood industry saw a decline in the number of enterprises but an increase in total production capacity; its fiberboard industry experienced a decrease in the number of enterprises and a continued contraction in the total production capacity; and the particleboard industry saw a slight decline in the number of enterprises and a slowdown in the capacity growth. In June, Brazilian tropical plywood exports increased 3.0% in volume, from 2,900 m<sup>3</sup> to 3,000 m<sup>3</sup>, but declined 11.0% in value, from US\$1.9 million to US\$1.7 million.

## Table: Overview of GTI-WBP Sub-Indexes (%)



	Feb. 2025	Mar. 2025	Apr. 2025	May 2025	Jun. 2025	Jul. 2025	MoM	Performance
Comprehensive Index	39.1	46.1	50.6	50.5	57.7	59.3	1.6 ↑	Expand
Production Index	43.6	58.6	50.9	54.4	61.1	63.2	2.1 ↑	Expand
New Orders Index	27.5	41.7	54.3	49.2	55.9	62.7	6.8 ↑	Expand
Export Orders Index	17.1	31.7	51.2	51.0	54.5	52.8	-1.7 ↓	Expand
Existing Orders Index	53.8	40.4	44.0	49.2	54.9	51.5	-3.4 ↓	Expand
Inventory Index of Finished Products	57.5	50.0	46.6	54.8	58.8	59.0	0.2 ↑	Expand
Purchase Quantity Index	31.3	44.7	53.0	47.5	62.9	53.1	-9.8 ↓	Expand
Purchase Price Index	68.8	66.2	59.2	60.8	59.3	59.1	-0.2 ↓	Expand
Inventory Index of Main Raw Materials	50.0	47.7	48.0	50.0	55.7	59.2	3.5 ↑	Expand
Employees Index	45.0	42.4	44.8	46.8	56.4	51.5	-4.9 ↓	Expand
Delivery Time Index	39.7	38.0	51.8	51.7	59.1	56.8	-2.3 ↓	Expand
Market Expectation Index	52.6	30.0	47.6	47.6	56.9	55.2	-1.7 ↓	Expand



### Main Challenges Reported by GTI-WBP Enterprises

- There was intense competition in terms of market prices. (China)
- Fuel supply was insufficient for the production. (The Republic of the Congo)
- Log supply volume depended on weather. (Malaysia)
- Enterprises faced price pressure from competitors. (Mexico)
- Road conditions were poor, and the supply of raw materials was delayed. (Gabon)
- The costs of raw materials, including logs and glue, were high. (Ghana)
- There was not enough labor, while employees lacked capabilities. (Thailand)
- There was fiscal uncertainty due to U.S. tariffs. (Brazil)



### Main Suggestions from GTI-WBP Enterprises

- Expand into international markets to increase the volume of orders. (China)
- Government subsidy is needed. (Ghana)
- Ensure fuel supply for enterprises. (The Republic of the Congo)
- Enhance marketing and increase the added value of domestic products. (Mexico)
- Adjust business strategies based on the results of tariff hike. (Brazil)
- Train potential employees, so they can handle temporary tasks. (Thailand)
- Improve the conditions of highways and railways to accelerate logistics. (Gabon)



**ITTO**  
INTERNATIONAL TROPICAL  
TIMBER ORGANIZATION

## About ITTO

The International Tropical Timber Organization, ITTO for short, is an intergovernmental organization promoting the sustainable management and conservation of tropical forests and the expansion and diversification of international trade in tropical timber from sustainably managed and legally harvested forests. It located in Yokohama, Japan. At present, there are 76 ITTO members countries. ITTO's membership represents about 90% of the global tropical timber trade and more than 80% of the world's tropical forests.



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## About GGSC

Global Green Supply Chains Initiative (GGSC) is part of the Legal and Sustainable Supply Chains (LSSC) Programme, which was approved at the 53rd session of the International Tropical Timber Council for being included into the Biennial Work Programme (BWP) of International Tropical Timber Organization (ITTO). Launched in 2018 by leading Chinese enterprises in forest products industry, GGSC became an international initiative in 2019. Since then, GGSC has been acting as a global platform for serving the sustainable development of the forest products industry.

## Declaration

GTI-WBP report is compiled based on the data provided by the woodbased panel enterprises in the pilot countries. The data can not be used in investment decision-making, but can help to understand the timber industry trend.

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## Contact Us

### Ms. Sydney (Xuting) Gao

Director for Public Relations, GGSC Secretariat

✉ [gaoxuting@itto-ggsc.org](mailto:gaoxuting@itto-ggsc.org)

### Ms. Zuo Ping

Technical Assistant of Publicity Department, GGSC Secretariat

✉ [zuoping@itto-ggsc.org](mailto:zuoping@itto-ggsc.org)