

GTI-WOODBASED PANEL (GTI-WBP) REPORT

MONTHLY

GGSC-No. 12/2025

Tracking and monitoring the global
woodbased panel market trend.



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GLOBAL GREEN SUPPLY CHAINS INITIATIVE



The pilot countries for the GTI-WBP index include Indonesia, Malaysia, Thailand, Gabon, Republic of the Congo, Ghana, Brazil, Mexico, Ecuador, and China. In 2023, the total production of woodbased panel in the ten countries mentioned above was 207 million cubic meters, accounting for 51.1% 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, Ecuador and China. In 2023, the total production of woodbased panel in the ten countries mentioned above was 207 million cubic meters, accounting for 51.1% of the total global production volume of woodbased panel.

GTI-Woodbased Panel Index in December 2025



GTI-WBP Comprehensive Index



In December 2025, the GTI-Woodbased Panel (GTI-WBP) Index registered 45.2%, a decrease of 2.0 percentage points from the previous month and below the critical value (50%) for four consecutive months, indicating that in the pilot countries, the overall business prosperity of wood-based panel industry represented by the index shrank from the previous month.

On the demand side: Overall demand for wood-based panels continued to decline in the GTI-WBP pilot countries. This month, the new orders index stood at 44.1%, the export orders index at 40.6%, and the existing orders index at 43.4%, all in the contraction territory below the 50% critical value. One reason for the decline in demand is that the timber markets of several pilot countries were in the off-season at the end of the year. During the period, construction and renovation activities slowed down and the overall end-consumer demand was sluggish, which directly dampened purchasing interest for wood-based panels.

On the supply side: The production index for wood-based panels stood at 44.7%, marking the fourth consecutive month below the 50% critical value and signaling an overall contraction in production capacity. Amid weak market conditions, constrained raw material supply and even rising input costs, some WBP manufacturers had proactively scaled back production. Meanwhile, the inventory

index of finished products reached 54.4%, reflecting soft demand and sluggish inventory turnover, which led to a month-on-month rise in stock levels.

From a price perspective: The purchase price index for raw materials recorded 62.5%, remaining above the 50% critical value for the 18th consecutive month, signaling a prolonged upward trend in material costs. At the same time, enterprises were facing cost pressures from labor, utilities, transportation, and taxes, creating a broad-based cost burden. In this environment, strengthening cost control had become an urgent priority for WBP manufacturers.

Main updates related to the wood-based panel market include: In 2025, the production capacity expansion for particleboard slowed down in China. According to partial industry data tracking production lines with annual capacity exceeding 200,000 m³, China added approximately 5.05 million m³ of new particleboard capacity in 2025 – a slower pace of growth compared with 2024. In other news, on December 15, Hugh Brown, Chief Executive of Ghana's Forestry Commission, revealed during a year-end media briefing that as of the end of October 2025, a total of 108,937 cubic meters of plywood valued at GHS 640 million had been traded in Ghana's domestic market.

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



	Jul. 2025	Aug. 2025	Sep. 2025	Oct. 2025	Nov. 2025	Dec. 2025	MoM	Performance
Comprehensive Index	59.3	54.6	44.3	36.4	47.2	45.2	-2.0 ↓	Contract
Production Index	63.2	67.9	41.7	33.9	44.8	44.7	-0.1 ↓	Contract
New Orders Index	62.7	53.2	47.6	36.7	48.4	44.1	-4.3 ↓	Contract
Export Orders Index	52.8	52.9	44.8	38.0	43.9	40.6	-3.3 ↓	Contract
Existing Orders Index	51.5	50.8	42.9	35.9	38.5	43.4	4.9 ↑	Contract
Inventory Index of Finished Products	59.0	56.5	52.4	51.6	50.0	54.4	4.4 ↑	Expand
Purchase Quantity Index	53.1	54.2	39.3	36.9	48.3	46.4	-1.9 ↓	Contract
Purchase Price Index	59.1	60.0	58.2	62.9	55.2	62.5	7.3 ↑	Expand
Inventory Index of Main Raw Materials	59.2	48.3	45.0	33.9	40.7	46.9	6.2 ↑	Contract
Employees Index	51.5	42.7	42.9	39.1	47.5	46.3	-1.2 ↓	Contract
Delivery Time Index	56.8	54.9	43.7	38.1	52.5	45.8	-6.7 ↓	Contract
Market Expectation Index	55.2	47.6	46.5	40.6	44.3	44.1	-0.2 ↓	Contract



Main Challenges Reported by GTI-WBP Enterprises

- Enterprises faced significant tax pressure. (Republic of the Congo)
- There were issues with U.S. tariffs. (Brazil)
- Product prices in the market were low. (Gabon)
- Product price competition was intense. (China)
- Plywood demand in the international market was unstable. (Indonesia)
- Raw material costs, including logs and adhesives, remained high. (Ghana)
- Plywood export demand was not enough, and log supply was inadequate. (Malaysia)
- The overall economic situation was weak, and raw material purchase prices showed an upward trend. (Thailand)

Main Suggestions from GTI-WBP Enterprises

- Introduce trade promotion policies. (Ghana)
- Adjust production in line with market demand. (Malaysia)
- Need relevant authorities to stimulate market demand recovery. (Gabon)
- Need government to provide tax incentives. (Republic of the Congo)
- Enhance market recognition and added value of local products. (Mexico)
- Explore new markets and promote plywood marketing. (Indonesia)
- Diversify marketing activities to reach new customer segments. (Thailand)
- Diversify products and sales to meet the needs of new markets. (Brazil)



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 is located in Yokohama, Japan. At present, there are 76 ITTO member countries. ITTO's membership represents about 90% of the global tropical timber trade and more than 80% of the world's tropical forests.



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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