

ZI BO JUNHUI PLASTIC

**Cooperation Proposal for
New Hollow Plastic Formwork**



PART 01

Product Advantages

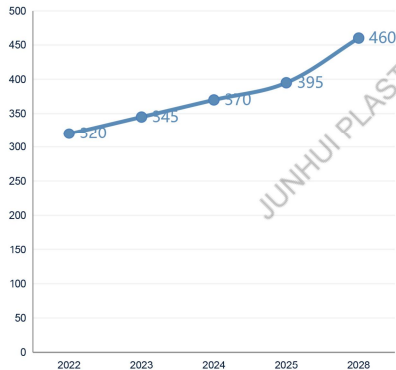


Industry Trends: The Inevitability of Plastic Formwork Replacing Traditional Materials

Driven by both increasingly stringent environmental regulations and the need to reduce construction costs while enhancing efficiency, plastic formwork is rapidly replacing traditional timber and steel formwork. The global market is projected to reach \$46 billion by 2028; as the world's largest producer and consumer, China holds a dominant position thanks to its comprehensive industrial chain, and the industry has entered a phase of high-quality development.

- **Pain point-driven:** Traditional timber formwork is prone to deformation and has a low utilization rate; furthermore, due to environmental regulations, the issue of timber resource consumption has become increasingly prominent.
- **Cost advantage:** Plastic formwork can be reused over 50 times (five times that of timber formwork), reducing the total lifecycle cost by 30% and increasing construction efficiency by 40%.
- **Market Growth:** The global market size was approximately \$32 billion in 2022 and is projected to reach \$46 billion by 2028, with a CAGR of 7.8%.
- **China-led:** The Chinese market accounts for 35% of the global total, with urbanization and "new infrastructure" providing vast application scenarios.
- **Refinement of Standards:** The implementation of specifications such as the "Product Standard for Plastic Construction Formwork" is driving the market to shift from price-based competition to competition based on quality and brand.

Growth Trends in the Global Plastic Formwork Market Size



数据来源：行业研究报告预测

Core Product Advantages: Threefold Value Derived from the Hollow Structure

JUNHUI hollow construction formwork achieves comprehensive optimization across physical performance, economic efficiency, and the construction experience through its unique structural design.

Its lightweight design reduces handling costs, high turnover rates lower the cost per use, and ease of installation shortens construction schedules, offering construction projects a formwork solution with superior overall cost-effectiveness.



✓ Excellent physical properties

- Featuring a hollow structure design, it weighs only 60%–80% of traditional timber formwork, significantly reducing handling costs and enhancing safety for work at heights.
- Features excellent water resistance, shock resistance, and corrosion resistance; it does not deform or crack in humid environments and is suitable for various complex construction conditions.



💰 Significant economic benefits

- It can be reused more than 50 times, and its total lifecycle cost is 30% lower than that of timber formwork, offering a significant long-term procurement cost advantage.
- No mold release agent is required, and the concrete surface achieves high flatness, reducing the need for subsequent plastering and further saving on labor and material costs.



✂ Optimization of the construction experience

- Easy to install and dismantle, and supports custom cutting and splicing; the construction period is 40% shorter than that of traditional formwork, enhancing project delivery efficiency.
- With a width of up to 1.95 meters, it minimizes seams and ensures high-quality concrete forming, meeting the acceptance criteria for high-standard construction projects.

Detailed Product Specifications and Technical Parameters

Junhui hollow construction formwork offers a diverse range of specifications, with thicknesses from 10 mm to 20 mm and widths up to 1.95 meters, and supports custom production to meet specific client requirements. The products are designed to satisfy various load-bearing needs and construction environments.

- Flexible thickness options**
Covers the 10mm to 20mm range, allowing for flexible selection based on building ceiling height and load-bearing requirements, thereby avoiding cost wastage due to over-specification.
- Extra-wide design**
The maximum width reaches 1.95 meters, reducing on-site joints, improving the quality of the cast concrete finish, and meeting high-standard engineering acceptance specifications.
- Support for non-standard customization**
We provide tailored solutions for unique architectural structures, ensuring a perfect match between the formwork and the construction site conditions.
- Eco-friendly materials**
The raw materials consist of eco-friendly, recyclable plastic that meets green building assessment standards, and the waste is recyclable.
- 20 years of processing experience**
One of the earliest manufacturers of hollow sheets, with over 20 years of experience in their processing.

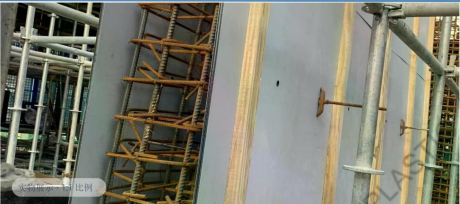
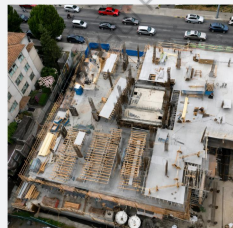
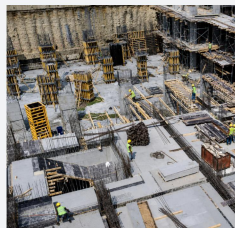


Table of Key Specifications

Model	Thickness (mm)	Weight (kg/m²)	2440*1220Marked weight (KG)
JU-12	12	6.5above	19.5
JU-15	15	7above	22
JH-16	16	7.5above	23
JH-18	18	8.5above	25.5
JH-20	20	9.5above	29

PHOTOS

Showcase of construction site usage scenarios



Product Categories

Pass shape:

Square-hole type (Figures 1, 3): First-generation product; features an aesthetically pleasing, square-profile structure with high load-bearing capacity, suitable for large-format applications.

Round hole (Figs. 2, 4): The latest product; features strong nail-holding power and a higher number of reuse cycles, making it the mainstream choice in the current market.

Color:

Greyish-white (Figs. 1, 2): High quality; suitable for European, American, and Middle Eastern markets.

Coating (Figures 3 and 4): Offers excellent cost-performance; it is a mainstream product in regions undergoing massive infrastructure development, such as Southeast Asia and Africa.

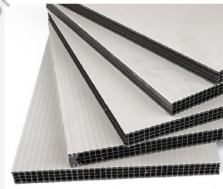
Customizable colors available for large orders.



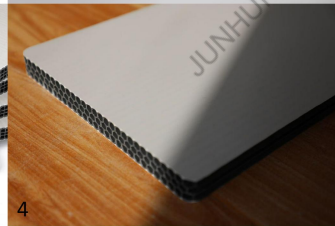
1



2



3



4



PART 02

Company Strengths



Company Strength: Steady operations as a national high-tech enterprise.

JUNHUI holds over 30 patented technologies and is certified as a national high-tech enterprise. With a lean team of 118 people achieving high per-capita output, the company demonstrates advanced automation and refined management capabilities, standing out as a medium-sized enterprise with strong technical expertise in the regional industry.

- ✔ **Financial Stability:** We maintain a standing inventory of over 1,000 tons of raw materials for construction formwork and hold credit lines exceeding RMB 20 million from major banks, ensuring the production facilities' capacity for long-term, continuous supply.
- ✔ **Technological Leadership:** Holds over 30 patented technologies—including core technologies such as the recycling and remanufacturing of waste plastic boards—and maintains an R&D investment ratio above the industry average.
- ✔ **Qualification and Compliance:** Certified as a National High-Tech Enterprise and a Science and Technology-based SME, with qualifications valid through 2024–2026, ensuring policy compliance.
- ✔ **Solid and Reliable Entity:** The company has a registered capital of RMB 10 million, fully paid in, and is registered in the Zichuan Economic Development Zone of Zibo; its business operations are stable and reliable.

Core Values

Tracing Origins to Ensure Authenticity:

We treat every gram of raw material with respect, steadfastly controlling quality right from the source.

Precision Craftsmanship for Lasting Performance:

Meticulous precision down to the finest detail ensures robust structural support capable of withstanding repeated use.

Hollow Design, Boundless Potential:

An open-minded approach to innovation constantly expands the horizons of plastic building material applications.

Unwavering Reliability:

Every promise made to our clients is—like our panels—resilient under pressure, waterproof, and fade-resistant.

Technology R&D: Patent-driven advantages in production processes and equipment.

- ✓ **High-end production line configuration:** Equipped with 16 hollow sheet production lines—including machinery imported from Italy—capable of customized production with widths up to 2.6 meters and thicknesses ranging from 2mm to 20mm.
- ✓ **Waste Recycling Patent:** The "waste plastic board recycling and remanufacturing technology" enables immediate waste recovery, reduces raw material costs by approximately 15%, and significantly cuts waste emissions.
- ✓ **Mixing Process Patent:** The "dual-shock-absorption raw material mixing equipment" improves mixing uniformity by 20%, ensuring superior stability in the product's physical properties compared to industry peers.
- ✓ **Comprehensive system certification:** Holds ISO 9001 certifications for quality, environmental, and occupational health and safety management systems, ensuring standardized production processes and product traceability.
- ✓ **Continuous R&D and iteration:** Multiple new patent applications filed for 2025–2026, ensuring robust technical reserves to confidently meet future industry standard upgrades.



Typical Application Cases: The Shared Choice of Leading Enterprises Across Multiple Industries

The products are widely used across three major sectors—construction engineering, industrial packaging, and export trade—with a track record of partnerships established with renowned enterprises such as Vanke and Qingjian Group. A diverse client base demonstrates the products' adaptability across various application scenarios.

Field of construction engineering

- Used in collaboration with real estate developers such as Vanke and Qingjian Group for standard-floor formwork in residential buildings, meeting the demands of high-turnover construction.
- Suitable for bridge and tunnel infrastructure, it leverages corrosion-resistant properties to withstand complex outdoor environments, significantly reducing maintenance costs.



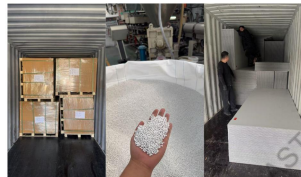
Field of daily life

- We provide customized dunnage for various factories, leveraging lightweight properties to reduce logistics costs while protecting products from impact.
- Suitable for a wide range of applications; past projects include stage panels, shelving dividers, side panels for agricultural metal crates, flooring for chicken coops, outdoor pet enclosures, and outdoor shower flooring.



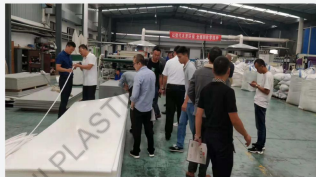
Field of export trade

- The products are sold to markets in Europe, the Americas, Japan, South Korea, the Middle East, Southeast Asia, and Africa; they have obtained local quality certifications, confirming compliance with environmental and physical performance standards.
- We offer customized specifications to meet export demands, accommodating the building standards and shipping container dimensions of different countries with flexible service.



Cooperation

Client Collaboration



Production and Delivery: 10,000-ton scale capacity and flexible customization services.

The company boasts an annual production capacity of over 10,000 tons—a verified and reliable figure—sufficient to meet regional market demand. We maintain safety stock for standard models and offer a 7–10 day delivery turnaround for custom orders; backed by a mature logistics network, we ensure highly stable supply and prevent project work stoppages due to material shortages.

- ✓ **Production Capacity Assurance:** With an annual capacity exceeding 10,000 tons, operations span production lines in Zibo, Shandong (10 lines), Jinhu, Jiangsu (4 lines), and Nanning, Guangxi (2 lines); balanced capacity utilization ensures reliable supply stability.
- ✓ **Rapid Response:** Safety stock is maintained for standard specifications and models, enabling shipment within 24 hours of order placement; priority production can be arranged for urgent projects.
- ✓ **Customized Services:** The production lead time for specially customized models is 7–10 days. We provide a one-stop service—ranging from drawing confirmation to mold adjustment—to meet the requirements of non-standard engineering projects.
- ✓ **Logistics and Delivery:** We work with a professional logistics team well-versed in nationwide transport routes and traffic restriction policies. Shipments originate from Zibo (Shandong), Jinhu (Jiangsu), and Nanning (Guangxi) to ensure timely delivery to construction sites.
- ✓ **Collaborative Support:** Supports phased delivery, with shipment schedules aligned to construction progress, thereby reducing on-site storage pressure and capital tie-up for the client.



Technical Team

The company's technical team consists of five members, all holding a bachelor's degree or higher, including one with a doctorate.

- ✓ **Expert Leadership:** In 2020, the company appointed Dr. Peng Hui—a materials science expert from Shandong University of Technology—as Vice President of Technology. He spearheads efforts to tackle key technical challenges and drive product research and development.
- ✓ **Team Response:** The company's R&D and quality inspection departments—comprising a total of five personnel—conduct in-house testing on every batch of raw materials and templates to ensure product quality remains under control.
- ✓ **Customized Services:** We tailor weight, thickness, and formulations to meet specific customer requirements, ensuring the delivery of products that offer the best value for money.
- ✓ **Laboratory Support:** As of May 31, 2026, we are the only company in the industry with a dedicated professional laboratory, capable of independently testing raw material indices and fundamental board parameters.

TECHNOLOGY-DRIVEN • QUALITY CONTROLLED • VALUE OPTIMIZED

Professional R&D and Testing System to Deliver the Best Plastic Formwork Solutions

PROFESSIONAL R&D & TESTING TEAM

R&D and Quality Testing Team
5 People

R&D and testing work closely together to ensure product quality is stable and fully controllable.



THE ONLY COMPANY IN THIS INDUSTRY
WITH A PROFESSIONAL LABORATORY
(As of May 31, 2026)



Capable of independently completing tests on raw material indices and basic parameters of plastic formwork panels.

IN-HOUSE TESTING THROUGHOUT THE ENTIRE PROCESS TO ENSURE QUALITY IS FULLY CONTROLLED



Raw Material Incoming
Test each batch of raw materials



Production Process
Key process monitoring and inspection



Finished Product Inspection
Test each batch of formwork panels



Quality You Can Trust
Fully Controlled at Every Step

CUSTOMIZED SOLUTIONS TO DELIVER THE BEST VALUE



Customized Weight & Thickness
Designed according to customer requirements to optimize weight and thickness.



Customized Formula
Formulated for different application scenarios to optimize performance.



Best Cost-Performance
Provide the most cost-effective solution at the early stage to create greater value for our customers.



Customer Value

- ✓ Reliable and stable quality
- ✓ Consistent performance
- ✓ Lower overall cost
- ✓ Better construction efficiency
- ✓ Higher project returns

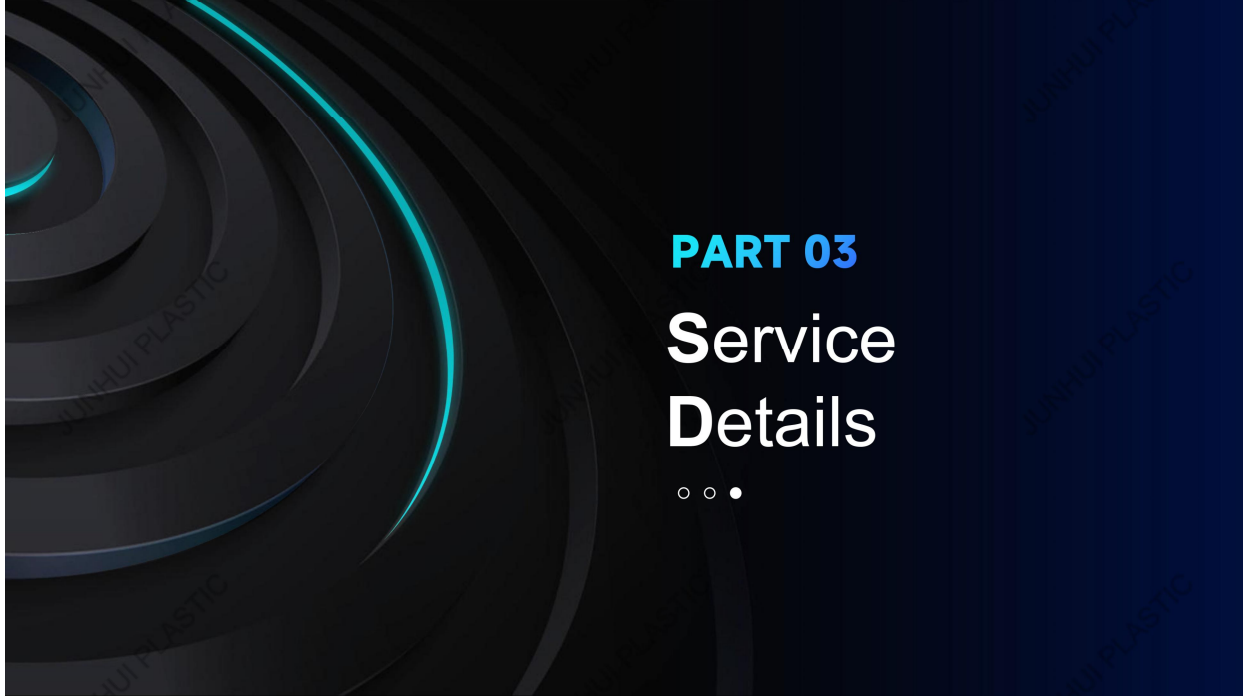


Technology Drives Quality • Testing Ensures Reliability • Customization Creates Value

We are committed to providing high-quality, high-value plastic formwork products and becoming your most trusted long-term partner.

Corporate Honors Showcase





PART 03

Service Details



Loose cargo container loading

To help customers save on shipping costs by maximizing the quantity of products loaded into a single container, our company assigns dedicated personnel to handle loose loading. We employ a "square-loop" (or "box-frame") loading pattern to optimize the use of available space.

The quantity of loose-loaded pieces is calculated as follows: $\text{Weight Limit} / \text{Weight per Piece} = \text{Number of Pieces Loaded}$.



Details of palletizing

Container loading and palletizing currently involve three methods: flat palletizing, side palletizing, and upright palletizing.



Flat pallet placement



Side stacking

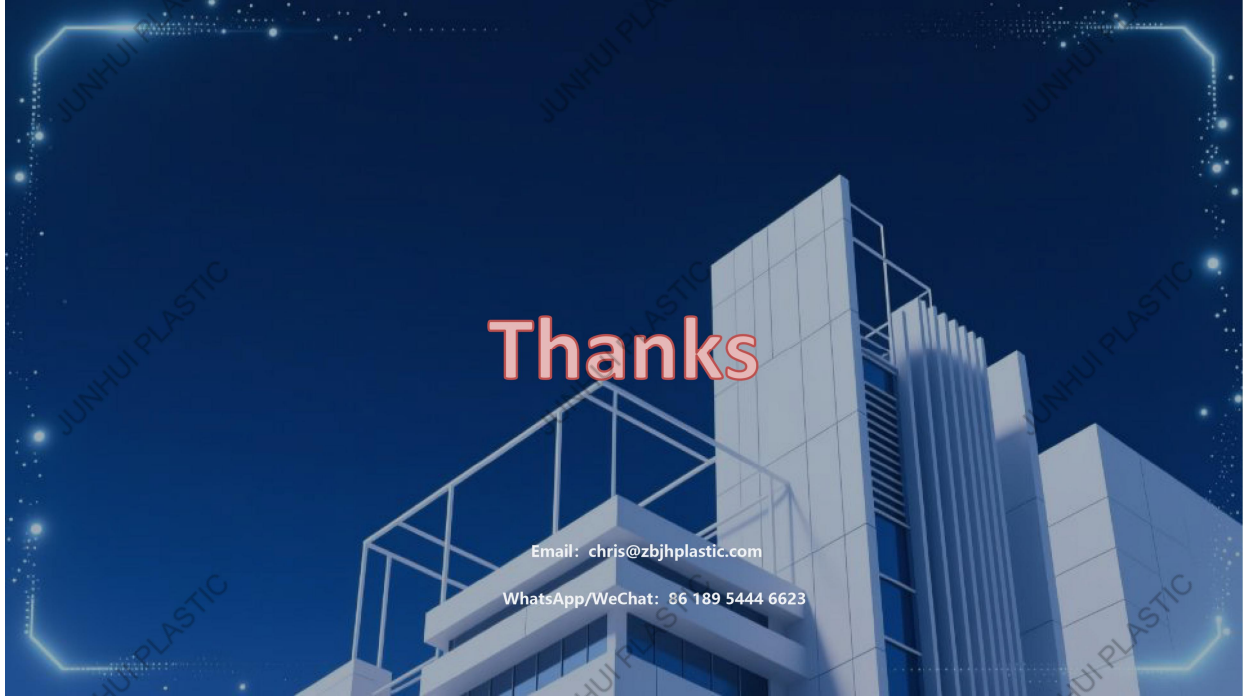


Upright pallet placement



Photos of container loading





Thanks

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