

China Low Cost Prefab Light Steel Structure Nave Industrial Metal Frame Prefabricated Structure Building Workshop Warehouse

Our Product Introduction

Basic Information

- Place of Origin: Hebei, China
- Brand Name: BAODU
- Certification: ISO9001, CE
- Model Number: Steel Warehouse
- Minimum Order Quantity: 600 square meters
- Price: \$24-38 square meter
- Packaging Details: In general, for steel structure, we use the steel frame packing to keep goods not to be broken. For sandwich panel and color steel sheet, we use the plastic packing. If the clients need special packing will according to their requirements.
- Delivery Time: 30 days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union,
- Supply Ability: 100000 Square Meter/Square Meters per Month



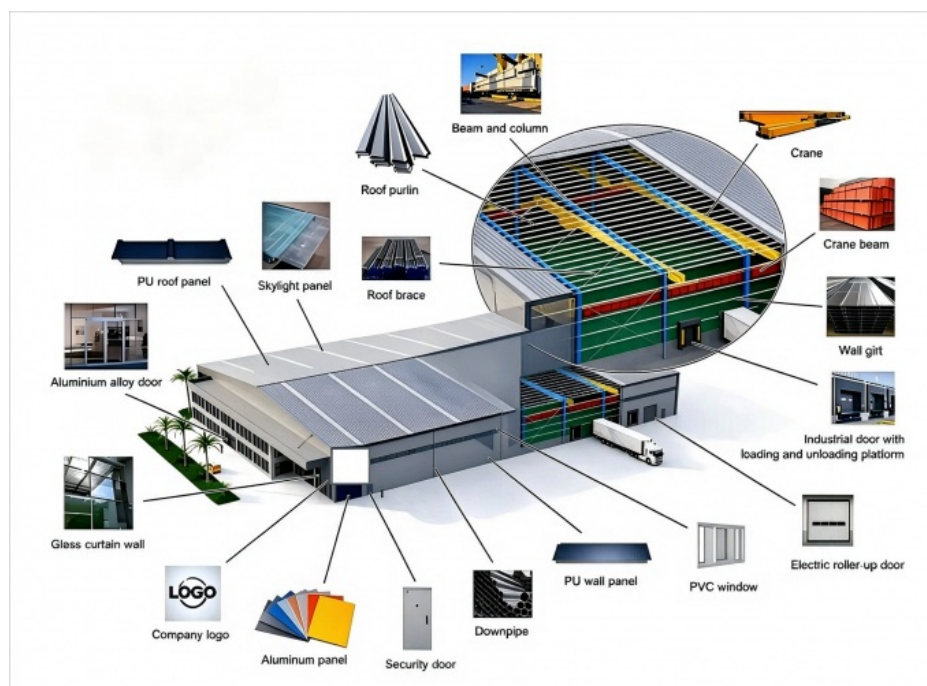
Product Specification

- Product Name: China Low Cost Prefab Light Steel Structure Nave Industrial Metal Frame Prefabricated Structure Building Workshop Warehouse
- Keyword: Steel Structure Warehouse
- Design: SAP2000/AutoCAD /PKPM /3D3S/TEKLA
- Use: Warehouse
- Installation Guide: Installation Drawings And Video
- Processing Service: Bending, Welding, Decoiling, Cutting, Punching
- Structure Type: Light Steel Structure
- Roofing: Sandwich Panel, Single Steel Sheet
- Weather Resistance: Strong
- Connection: Bolt Connection
- Standard: GB
- Material: Q235/Q355B Steel
- Highlight: **low cost prefab steel warehouse,**

Product Description

Product Overview

China low cost prefab light steel structure is a high-cost-performance nave industrial metal frame building tailored for global industrial construction demands. As a standard prefabricated structure building, it integrates multi-functional usage of industrial workshop production, cargo storage, logistics transit and equipment shelter.



Key Features & Benefits

- Adopts lightweight high-strength steel frame and modular prefabricated design
- All metal frame components are factory pre-cut, pre-drilled and pre-processed
- Ultra-low construction cost compared to traditional concrete buildings
- Fast on-site assembly with minimal construction time
- Flexible space layout for multiple industrial applications
- Excellent weather resistance and long service life
- Freely switchable between industrial workshop and warehouse functions
- Ideal for small and medium factories, logistics parks, and agricultural storage

Technical Specifications

Member	Steel Column	Warranty	30-50 Years Service Life
Carbon Structural Steel	Q355	Type	H-Section Steel
Application	Steel Workshop, Steel Structure Platform, Steel Fabricated House, Structural Roofing, Frame Part, Steel Walkway and Floor, Steel Structure Bridge, Warehouse, Department, Steel Hangars		
Standard	ASTM	Trademark	Carbon Structural Steel
Forming	Hot-Rolled Steel	Material	Steel Structure
Structure Frame	Portal Frame	Software Used	Auto CAD, Pkpm, Tekla
Steel Code	Q355 & Q235	H Steel Type	Hot Rolled H-Beam or Welded H Beam
Wind Loading	80km/H-120km/H, or as Client's Requirement	Snow Loading	as Per Customer's Requirements
Seismic Grade	7 Grade	Connection Method	Bolts Connection

Cladding Materials	Single Corrugated Steel Sheet, Sandwich Panels	Structure Surface Treatment	Any Color Painting or Hot Galvanize
Origin	Hebei, China	Specification	Customized Size
Production Capacity	2000 Tons Per Month	Residential Wall Structure	Sandwich Panels
Connection Form	Bolt Connection	Customized	Customized
Type of Steel For Building Structure	H Beam Steel	HS Code	9406000090 or 7308900000

STEEL FRAME OPTIONS

FLEXIBLE SOLUTIONS FOR EVERY PROJECT

1 Tapered Column Clear Span (TCCS)

2 Multi Gable (MG)

3 Arched Multi Span

4 Multi Span "1" (MS-1)

5 Mezzanine / Crane Beam Provision

6 Mono Slope

7 Multi Span "2" (MS-2)

8 Crane Bracket / Section Beam Provision

9 Roof System

10 Multi Span "3" (MS-3)

11 Built-up Curved Rafter (BU)

12 Lean-To

FREE DESIGN

3D AND CAD DRAWINGS

Professional

Accurate

Efficient

Reliable

Tekla Structures

PKPM

AUTODESK 3DS MAX

AUTODESK AUTOCAD

SAP 2000

SCHEMATIC DIAGRAM

CONSTRUCTION DRAWINGS

EFFECT DIAGRAM

PROCESSING DRAWING

PROFESSIONAL TEAM

Experienced engineers provide support

ACCURATE DESIGN

Precise solutions tailored to needs

EFFICIENT DELIVERY

Fast turnaround to save your time

RELIABLE QUALITY

Details ensure safety and compliance

ONE-STOP SERVICE

From concept to completion

Project Information Requirements

Please provide the following information for customized solutions:

Project Progress: Land purchase status and government licensing

Usage: Warehouse, workshop, showroom, etc.

Location: Country where building will be constructed

Local Climate: Wind speed and snow load requirements

Design: Existing design drawings or need for custom design

Dimension: Length × width × height specifications

Crane Beam: Requirement for internal crane beam

Roof and Wall: Panel material specifications

Windows and Doors: Material, quantity, and type requirements

Building Components

Roof and Wall Project System

The roof and wall system plays a vital role in protecting your structure from environmental factors like wind, rain, and temperature fluctuations. With advanced insulation and weatherproofing, our systems ensure durability and energy efficiency.

Connected Steel Sheet

EPS Sandwich Panel

Rock Wool Sandwich Panel

PU Sandwich Panel

Main Steel Frame

At the core of every steel structure is the main steel frame, which provides the strength and stability necessary to support the entire building. Our frames are designed for durability, ensuring that your structure can withstand even the most demanding conditions.

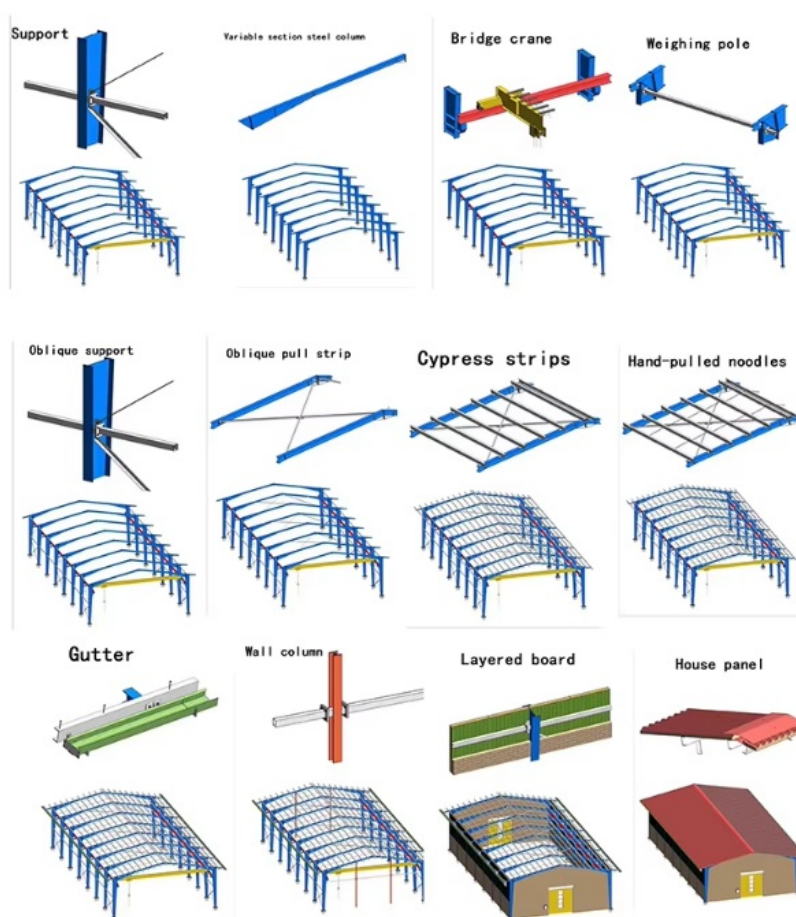


Other Materials

Every steel structure project requires a range of additional materials to ensure its functionality and performance. From accessories to safety-enhancing features, we offer everything you need to complete your structure.



Steel Building Process



Project Applications

Industry	Applications
Manufacturing	Automobile assembly, metal fabrication, electronics production
Logistics & Warehousing	Storage hubs, distribution centers
Food Processing	Meat packaging, dairy production, cold storage
Mining & Energy	Heavy-duty workshops, oil & gas processing

Our steel factory buildings are widely used in manufacturing, logistics, energy, and processing industries.





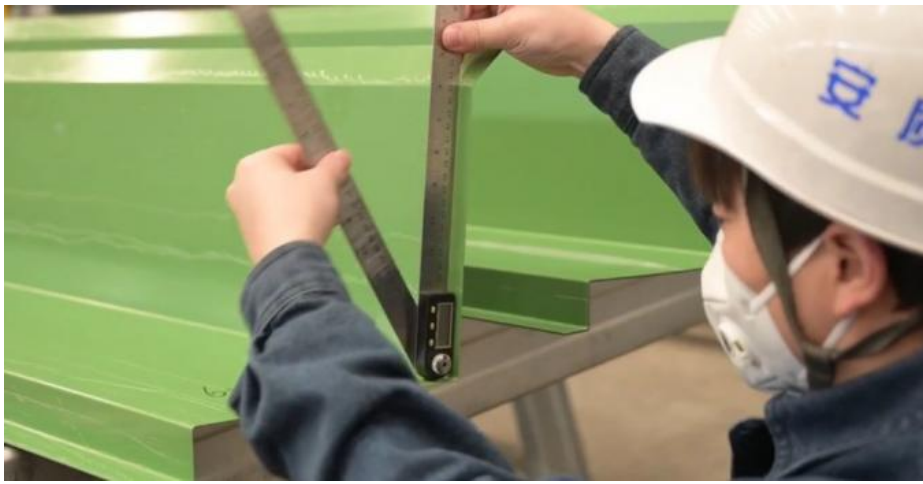


Quality Assurance

Excellent product quality is our eternal pursuit, and it is also the fundamental reason for us to base ourselves on the global market. BAODU GROUP implements whole-process quality management and strictly supervises every process such as raw material supply, engineering design, steel component manufacturing, installation and construction.

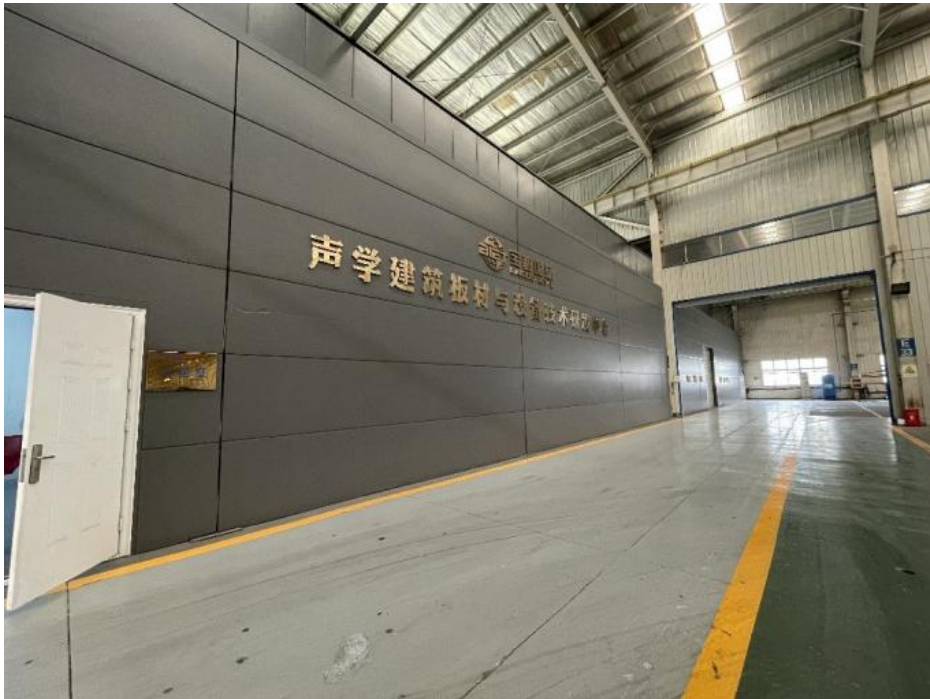
We have established a professional team of quality inspection engineers, introduced internationally leading quality inspection equipment such as German GS1000 vacuum spectrometer and high-frequency infrared carbon sulfur analyzer, established a high-quality product inspection room, and won many awards from China's advanced quality management unit.

In addition, we support testing and certification by SGS, TUV, BV.



Production Capacity & Certifications

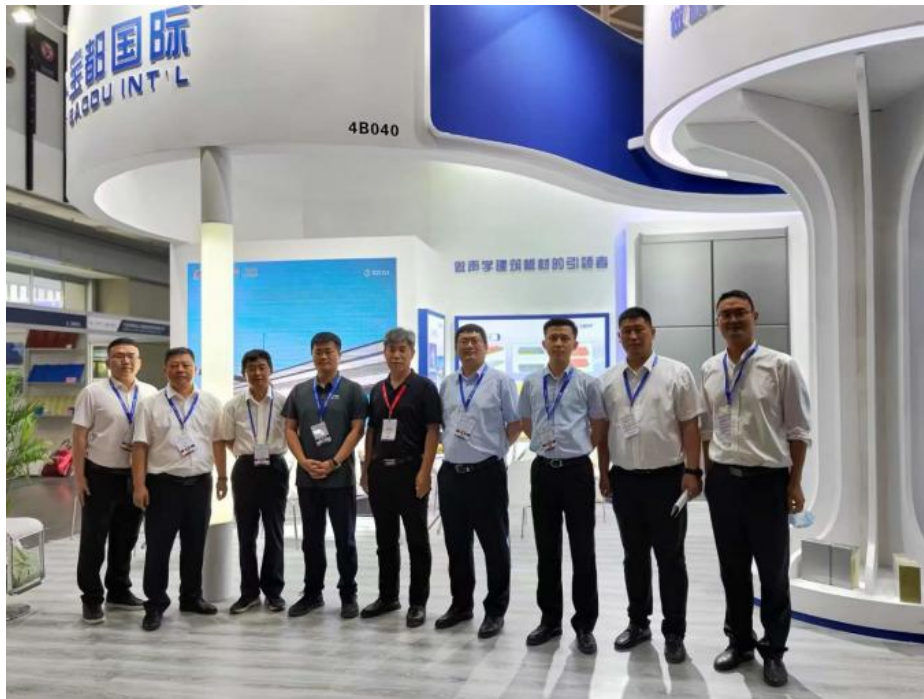




OUR CERTIFICATE



Support & Services









Company Profile

Baodu International Advanced Construction Material Co., Ltd was established in January 2010 with the office in Beijing and factory in Hebei, China. Baodu is a designer, manufacturer, supplier and exporter of industrial noise comprehensive treatment, steel structure, sandwich panel and prefab house.

Baodu has an annual output of 6 million square meters of acoustic sandwich panels, 100000 tons of steel structures and 1 million square meters of floor decking sheet. The products are sold in more than 30 countries and regions around the world.

Baodu has a professional design team with more than 10 years' experience, including 5 senior engineers, 20 engineers, and 35 technicians. Baodu has several energy saving and environment protection intellectual property rights, construction and environment protection design qualification, CE certification and Russian GOST certification etc.

Baodu participated in the parade village project for the 60th anniversary of China and project of Beijing Daxing International Airport. Under the guidance of China's "one belt, one road" strategy, Baodu has also undertaken overseas projects such as the project of Thar, Pakistan coal fired power plant, Hasyan Dubai power plant and so on.

Packing & Shipping

Professional Seaworthy Export Packaging: Heavy steel columns and reinforced crane base components are wrapped with thick waterproof and wear-resistant woven cloth and fixed with high-strength steel belts to prevent extrusion deformation and friction damage during long-distance transportation.

Optimized Container Loading & Global Shipping: All frame components are optimized for 20GP/40GP/40HQ standard container loading, maximizing container space utilization and reducing ocean freight costs. We support FCL full container load and LCL less than container load services, covering Southeast Asia, Africa, Europe, Middle East, South America and other global mainstream markets with stable shipping schedules and fast delivery cycles.

Complete Export Clearance Documents: We provide full set of official export documents, including commercial invoice, packing list, bill of lading, material test report, crane base structural inspection report and factory quality inspection report, ensuring smooth customs clearance and local industrial project acceptance.





Frequently Asked Questions

Q1: What is a prefab light steel nave industrial building?

A1: Nave industrial is a professional Spanish term for large-span industrial premises used for production and storage. Our China low-cost prefab light steel nave industrial building is a modular prefabricated metal frame industrial structure, specially designed for cost-effective factory workshop and warehouse construction, widely used in Latin American and global industrial markets.

Q2: Why is this light steel structure more cost-effective?

A2: It adopts optimized light steel design to reduce material consumption, and factory prefabrication eliminates on-site material waste and high labor costs. The simple foundation requirement saves civil engineering investment, and the long service life with low maintenance cost ensures ultra-low comprehensive construction and operation cost.

Q3: Can this building be used as both workshop and warehouse?

A3: Yes. The large open interior space supports flexible functional partitioning. It can be freely divided into production processing areas, assembly areas and cargo storage areas, realizing dual usage of industrial workshop and warehouse, which greatly improves space utilization and saves land cost.

Q4: Is the light steel metal frame stable for long-term industrial use?

A4: Absolutely. The high-strength light steel frame and integrated bracing system ensure excellent structural stability, wind resistance and seismic performance. Industrial anti-corrosion treatment effectively prevents rust and aging, with a service life of 40-50 years, fully meeting long-term industrial operation demands.

Q5: Is on-site installation difficult for local teams?

A5: No. All components are pre-cut and pre-drilled for pure bolt assembly without welding and secondary processing. We provide English and Spanish installation manuals and remote technical support, allowing ordinary local workers to complete erection efficiently.

Q6: Can I customize the size and function of the prefab building?

A6: Yes. We provide full personalized customization of span, length, eave height, door/window specifications, ventilation system and enclosure materials, adapting to different nave industrial production and storage scenarios.

Q7: Is this prefab steel building suitable for harsh climates?

A7: Yes. The integrated waterproof, heat-insulated, dust-proof and anti-corrosion design adapts to high temperature, heavy rain, coastal salt fog, strong wind and other harsh environments. It can operate stably all year round and protect production equipment and stored goods safely.

Product Video



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