Heavy Steel Structure Industrial Building Prefabricated Metal Workshop for Large Production Line Logistics Warehouse and Heavy Load Industrial Application

Our Product Introduction

Basic Information

- Place of Origin: Hebei,China
- Brand Name: BAODU
- Certification: ISO9001,CE
- Model Number: Steel Warehouse
- Minimum Order Quantity: 800 square meter
- Price: $30-50square 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: 45days
- Payment Terms: L/C,D/A,D/P,T/T,Western Union,
- Supply Ability: 10000 Square Meter/Square Meters per Month



Product Specification

- Product Name: Heavy Steel Structure Industrial Building Prefabricated Metal Workshop For Large Production Line Logistics Warehouse And Heavy Load Industrial Application
- Warranty: 50 -100 Year
- After-sale Service: Online Technical Support
- Design Style: Modern
- Material: Q235 Q345 & Q355B Steel
- Application Fields: Warehouse, Factory, Steel Structure Building
- Secondary Frame: C&Z Purlin, Brace
- Roof & Wall Panel: Single Metal Sheet/Sandwich Panel
- Tolerance: ±1%
- Drawing Design: SAP2000/AutoCAD /PKPM /3D3S/TEKLA
- Project Solution Capability: Graphic Design, 3D Model Design, Total Solution For Projects, Cross Categories Consolidation, N/A, Others
- Purlin: C/Z Galvanized Steel(Q235)

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Product Description

Heavy Steel Structure Industrial Building Overview

The heavy steel structure industrial building is a heavy-duty prefabricated metal workshop engineered specifically for high-load industrial scenarios. Built with thick welded H-beams, heavy crane girders, and reinforced bracing systems, it is the ideal solution for housing large automated production lines, heavy machinery, high-capacity logistics storage, and other heavy-load industrial operations. All primary steel members are prefabricated, cut, welded, drilled, and treated in our factory, then delivered as a complete kit for on-site bolt assembly.

Unlike light steel and regular PEB portal frame buildings, this heavy steel frame is calculated for concentrated static loads, dynamic crane loads, heavy equipment vibration, and large roof live loads. It supports multi-ton overhead cranes, heavy production equipment, and stacked high-density cargo. It is widely adopted for heavy manufacturing plants, machinery assembly workshops, large logistics hubs, raw material yards, and heavy industrial parks.

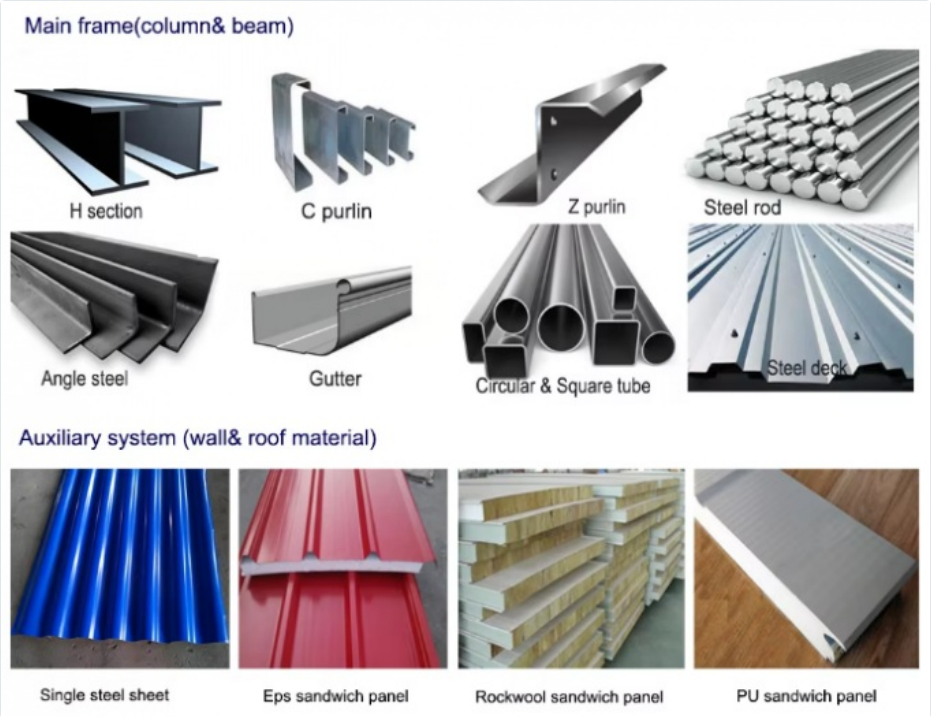
Product Specifications

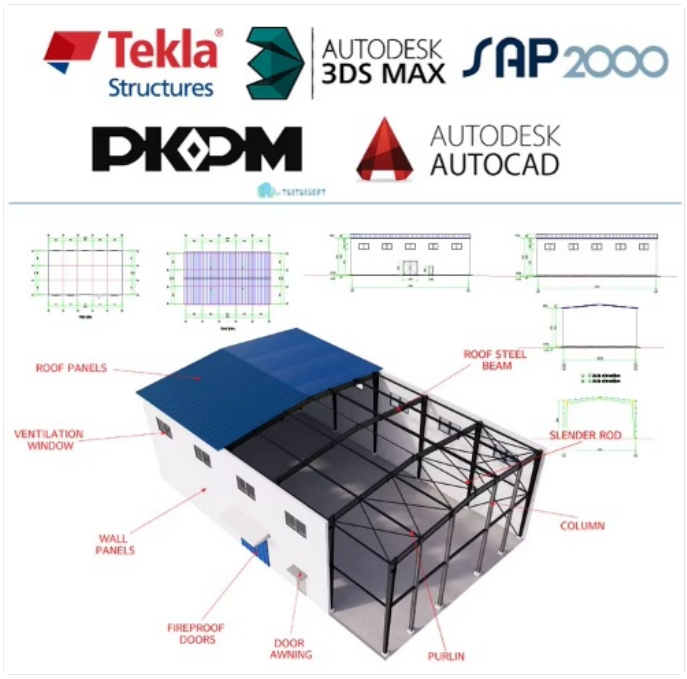
Attribute	Value
Product Name	Steel Factory Metal Building Kit Industrial Warehouse Workshops and Factories Steel Structure Building
Warranty	50–100 Years
After-sale Service	Online technical support
Design Style	Modern
Material	Q235, Q345 & Q355B steel
Application Fields	Warehouse, factory, steel structure building
Secondary Frame	C&Z Purlin, Brace
Roof & Wall Panel	Single metal sheet / Sandwich panel
Tolerance	±1%
Drawing Design	SAP2000 / AutoCAD / PKPM / 3D3S / TEKLA

Product Features & Material Grades

Items	Material Grade	Anti-Corrosion Process
Beam and Column	Q355B (equivalent to S355JR, ASTM A572 Gr. 50)	Anti-rust painting / Zinc galvanizing
Roof Tube Brace / Roof Brace / Column Brace	Q235B (equivalent to S355JR, ASTM A572 Gr. 50)	Anti-rust painting / Zinc galvanizing
Purlin Brace / Tie Rod / Casing / Purlin	Q235B (equivalent to S355JR, ASTM A572 Gr. 50)	Zinc galvanizing
Roof Panel / Wall Panel	Single metal sheet / Rock wool sandwich panel / PU sandwich panel / EPS sandwich panel / Skylight panel / Glass curtain wall / Aluminum panel	
Window	PVC frame and tempered glass window / Aluminum alloy window	
Door	Electric roller-up door / Industrial sliding door / Industrial lifting door / Industrial fast stacking door / Aluminum alloy door / Wooden door / Steel fireproof and anti-theft security door	
Accessories	Self-drilling screw / Rivet nut / Anchor bolt / High strength bolt / Ordinary bolt / Gutter / Downpipe / Ventilator / Color steel accessories	

Technical Parameters



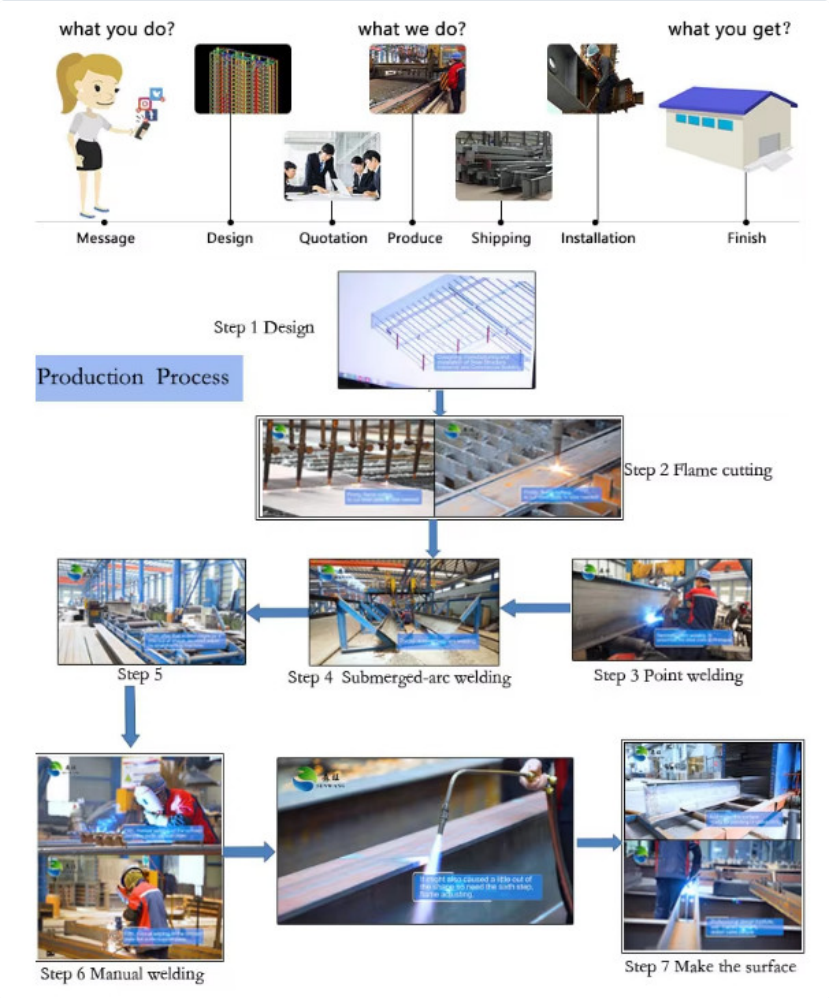


Project Information Required for Quotation

Please kindly inform us of the information below if you are interested in our products:

- **Project Progress:** Is land purchased? Is it licensed by the government?
- **Usage:** For warehouse, workshop, showroom, etc.
- **Location:** In which country will it be built?
- **Local Climate:** Wind speed, snow load (max. wind speed).
- **Design:** Please provide the design drawing, or do you need us to design for you?
- **Dimension:** Length × width × height.
- **Crane Beam:** Do you need a crane beam inside the steel structure?
- **Roof and Wall:** Determine the panel material, such as color steel panel or metal sandwich panel.
- **Windows and Doors:** What material, quantity, and type?

Production Process



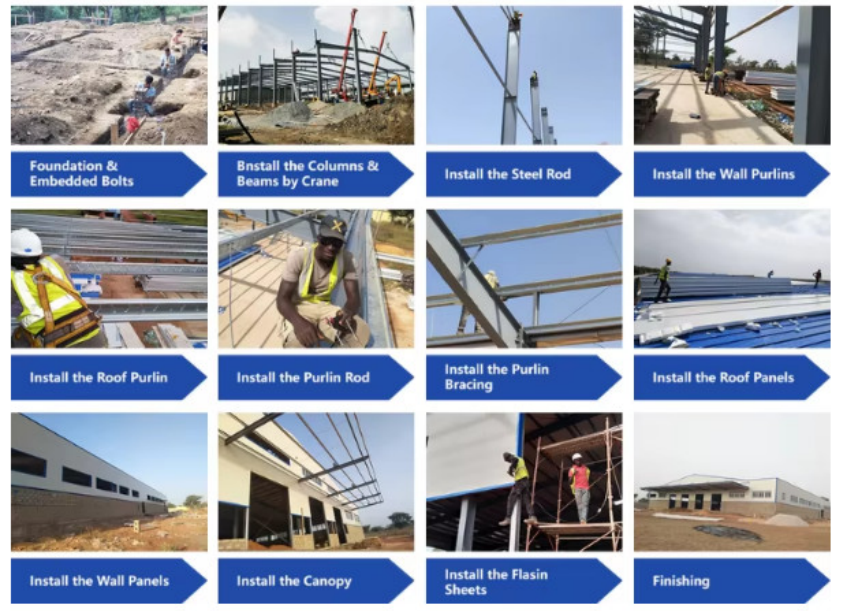
Quality Control





Excellent product quality is our eternal pursuit and the fundamental reason we are established in the global market. BAODU GROUP implements whole-process quality management and strictly supervises every stage, including 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 the German GS1000 vacuum spectrometer and high-frequency infrared carbon sulfur analyzer, and built a high-quality product inspection room. We have won numerous awards from China's advanced quality management unit. In addition, we support testing and certification by SGS, TUV, and BV.

Installation Options



Installation Plan A: We provide detailed installation drawings. You can hire a construction team and install according to the drawings.

Installation Plan B: If you need an engineer, we can send one engineer to help and guide your workers on how to install the buildings.

Installation Plan C: If you need a construction team, we can send an engineer and construction team to assist you.

Applications









Large Production Line Workshop: Machinery manufacturing plant, metal processing workshop, heavy equipment assembly workshop, auto parts factory, automated production plant with overhead crane.

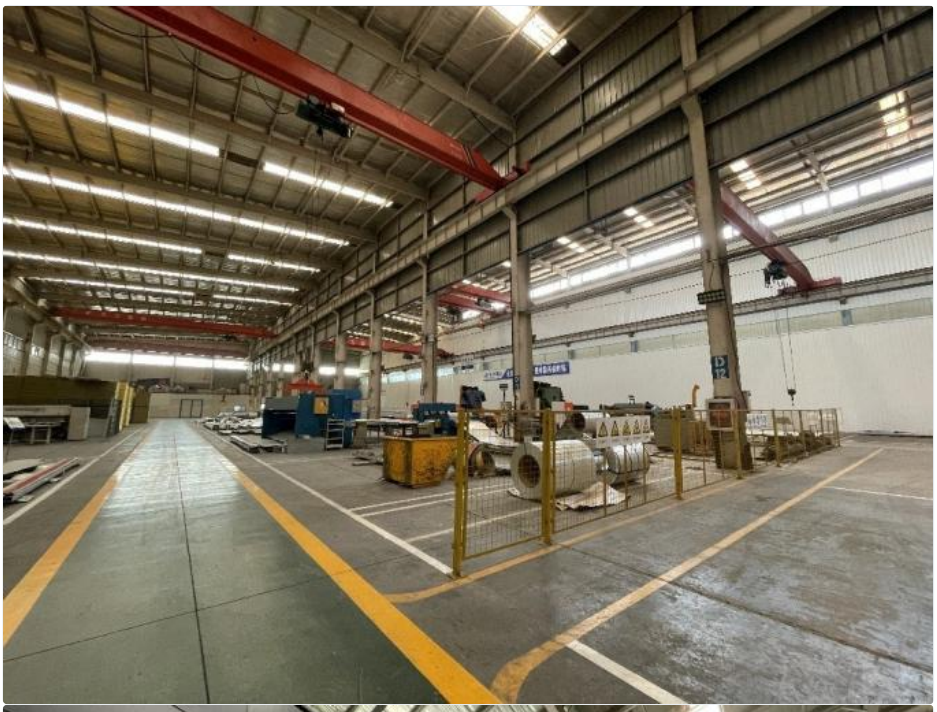
Heavy Load Logistics Warehouse: Heavy cargo storage warehouse, steel raw material warehouse, high-rack heavy-duty storage, industrial bulk goods transit center.

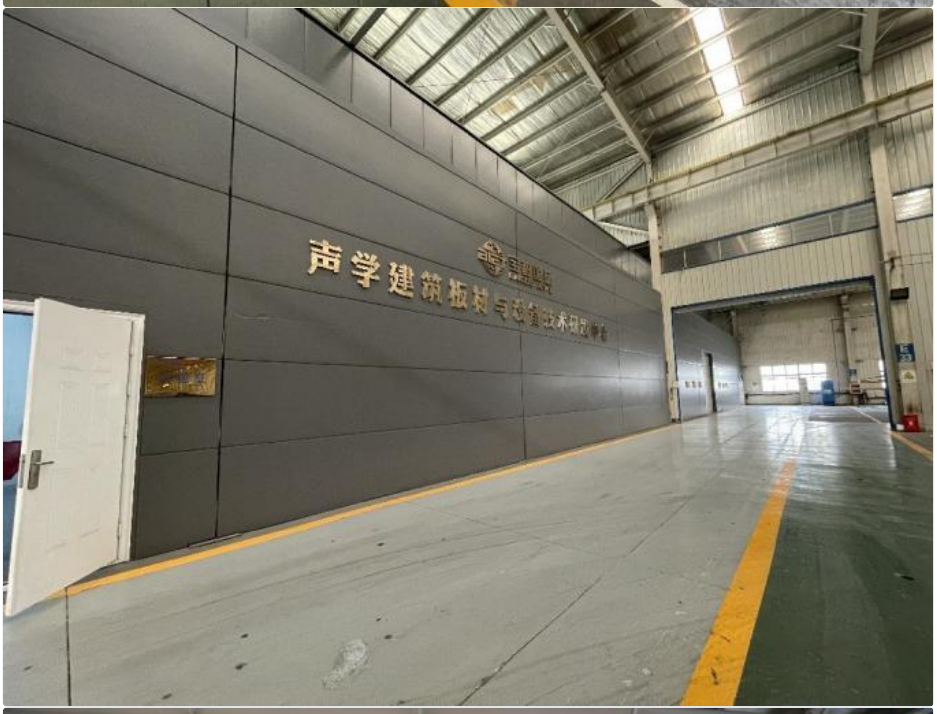
Heavy Industrial Building: Forging workshop, casting plant, mining supporting workshop, equipment overhaul hall, heavy industrial processing base.

Integrated Industrial Park Plant: Combined production and storage factory, industrial zone standard heavy-duty plant, large factory complex building.

Our Capacity and Certification






声学建筑板材



OUR CERTIFICATE





CERTIFICATE

Certificate No: 016TJ24E30527R2M

CERTIFICATE OF ENVIRONMENT MANAGEMENT SYSTEM CERTIFICATION

Date of Initial Issuance:Apr. 11, 2018/ Date of Re-certification Issuance:Apr. 10, 2024
Date of Expiration: Apr. 10, 2027

This is to Certify that the Environment Management System of

BAODU INT`L ADV CONSTRUCTION MATERIALS CO., LTD.

is in conformity with
GB/T24001-2016 idt ISO14001:2015 Standard, applies to
PRODUCTION OF STEEL STRUCTURE (INCLUDING PRODUCTION OF COLOR PROFILED STEEL PLATE AND CONSTRUCTION METAL SURFACE INSULATION SANDWICH PANEL)

BCC Inc.

President:

新世纪检验认证有限责任公司
1101020379202

Unified social credit code:91131023553875985U

REGISTERED ADDRESS:NO.26, BAIHE AVE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.

OPERATION ADDRESS:NO.26, BAIHE AVE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.

中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C016-M

BCC Address:Room 45-(05)-02, Floor 5, No.45 Guanggumenwai Street, Dongcheng District, Beijing, CHINA. This certificate is valid within state - specified validities of administrative and qualification licensing.The efficient status of this certificate shall be maintained by regular surveillance audit, the validity of the certificate can be inquired through www.bcc.com.cn or by QR code.The information of this certificate available for inquiry on CNCA's website: www.cnca.gov.cn.

CERTIFICATE

Certificate No: 016TJ24S30508R2M

CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATION

Date of Initial Issuance:Apr. 11, 2018/ Date of Re-certification Issuance:Apr. 10, 2024
Date of Expiration: Apr. 10, 2027

This is to Certify that the Occupational Health and Safety Management System of

BAODU INT`L ADV CONSTRUCTION MATERIALS CO., LTD.

is in conformity with
GB/T 45001-2020 idt ISO 45001:2018 Standard, applies to
PRODUCTION OF STEEL STRUCTURE (INCLUDING PRODUCTION OF COLOR PROFILED STEEL PLATE AND CONSTRUCTION METAL SURFACE INSULATION SANDWICH PANEL)

BCC Inc.

President:

新世纪检验认证有限责任公司
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CERTIFICATE

Certificate No: 016TJ24Q30731R2M

CERTIFICATE OF QUALITY MANAGEMENT SYSTEM CERTIFICATION

Date of Initial Issuance:Apr. 11, 2018/ Date of Re-certification Issuance:Apr. 10, 2024

Date of Expiration: Apr. 10, 2027

This is to Certify that the Quality Management System of

BAODU INT`L ADV CONSTRUCTION MATERIALS CO., LTD.

is in conformity with
GB/T 19001-2016 idt ISO9001:2015 Standard, applies to
PRODUCTION OF STEEL STRUCTURE (INCLUDING PRODUCTION OF COLOR PROFILED STEEL PLATE AND CONSTRUCTION METAL SURFACE INSULATION SANDWICH PANEL)

BCC Inc.

President:

Unified social credit code:91131023331875993U

REGISTERED ADDRESS:NO.26, BAIHE AVE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.

OPERATION ADDRESS:NO.26, BAIHE AVE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.

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We have a group of professional engineers, most with more than 20 years of experience in the architecture field. Our company has extensive experience in design, manufacture, installation, and more. Our staff have excellent skills, and some have helped customers install warehouses around the world.

We offer one-stop service. Construction drawings and calculation sheets are provided to help you obtain a construction permit. Foundation design can be made free of charge if needed. We can produce 3D drawings to show the view. Installation drawings are provided, and steel structure columns and beams are marked with numbers to help you install.

We send extra bolts, purlins, and panels in case of damage during installation.

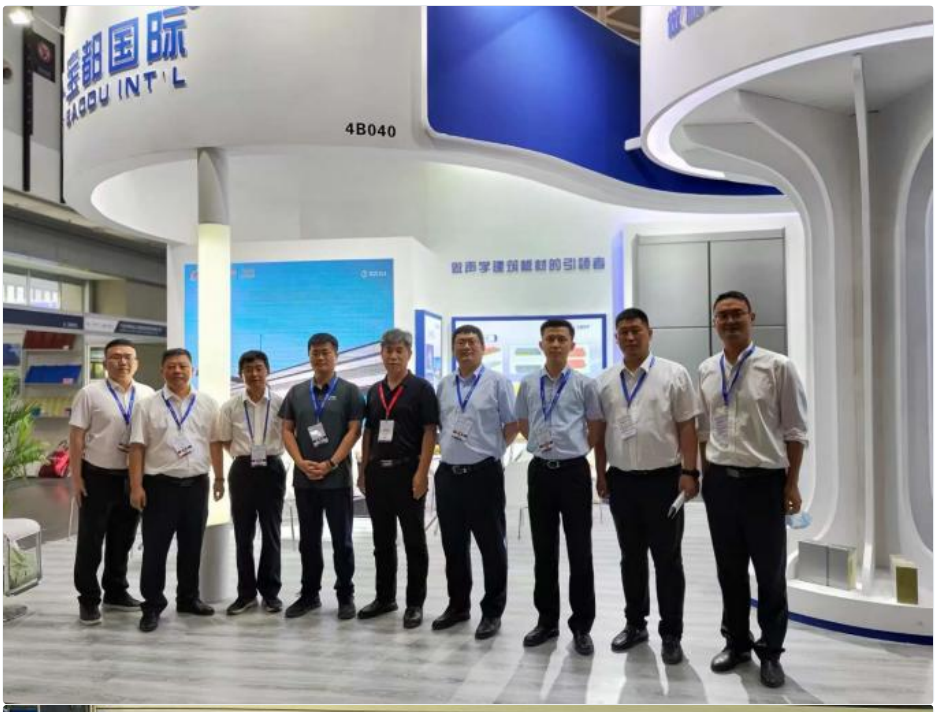
Efficiency is our pursuit. Every inquiry and email is replied to immediately. Every question receives high attention.

We possess more than 40 sets of large, precise, and domestically advanced processing equipment, including large gantry planing machines, automatic submerged arc welding machines, assembling machines, slitters, shot blasting machines, and more.

We provide a detailed packing list for every container when loading, making unloading easier.

"Moral personality decides product quality" is our guarantee to the products. "Customers come first" is our everlasting pursuit. Believe in your choice, and we will give you a satisfied answer.

Support and Services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CONSTRUCTION MATERIAL CO., LTD
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After many years of operation, BAODU Group has grown from strength to strength and made important contributions to the development of the construction industry and the steel structure industry. It is trusted by builders and customers from all over the world.

Our team of experts is available to provide technical support and services for the Prefab Steel Warehouse product. We offer:

- Consultations to help you determine the best solutions for your needs
- Customized design services to ensure the warehouse meets your specific requirements
- Quality control inspections throughout the production process
- On-site installation and assembly services
- Maintenance and repair services to keep your warehouse in top condition

Our goal is to provide our customers with reliable, durable, and cost-effective solutions for their storage needs. Contact us for more information on our technical support and services.

Company Profile

Baodu International Advanced Construction Material Co., Ltd. was established in January 2010 with its 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, 100,000 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 of experience, including 5 senior engineers, 20 engineers, and 35 technicians.

Baodu holds several energy-saving and environmental-protection intellectual property rights, construction and environmental-protection design qualifications, CE certification, and Russian GOST certification. Baodu participated in the parade village project for the 60th anniversary of China and the Beijing Daxing International Airport project. Under the guidance of China's "One Belt, One Road" strategy, Baodu has also undertaken overseas projects such as the Thar, Pakistan coal-fired power plant project and the Hasyan Dubai power plant project. Finally, welcome to visit Baodu for cooperation!

Packing and Shipping





Packaging Details

- Steel structure components are packaged with proper protection.
- Sandwich panels are covered with plastic film.
- Bolts and other accessories are loaded into wooden boxes.

All structure components, panels, bolts, and accessories are well packed with standard packaging suitable for ocean transport and loaded into 40'HQ containers. All products are loaded at our factory loading site using cranes and forklifts operated by skilled workers who prevent damage to the goods. We maintain good relationships with many vessel companies to ensure smooth transportation.

Frequently Asked Questions

Q1: What is the difference between heavy steel structure and normal PEB light portal frame?

A1: Heavy steel adopts thick welded H-beams and dedicated crane girders, designed for dynamic crane loads and heavy concentrated equipment loads. It is intended for heavy manufacturing. Normal PEB frames are for light production and general storage without large dynamic heavy loads.

Q2: What tonnage of overhead crane can this heavy steel workshop support?

A2: Fully customizable from 5t to 100t or more. We design the crane beam, column, and bracing according to your crane tonnage, crane span, and working grade (A3–A7).

Q3: Can it be used for high-rack heavy logistics warehouse?

A3: Yes. We adjust floor load, roof load, and frame stiffness according to your rack load requirements, making it suitable for heavy metal, steel, machinery parts, and other high-weight cargo storage.

Q4: What steel grade and surface treatment do you use?

A4: Main frame Q355B is standard. Surface treatment options include heavy anti-rust paint system or hot-dip galvanizing. Paint systems are widely used for heavy industrial workshops; galvanizing is recommended for coastal corrosive environments.

Q5: Is the welding of the heavy steel frame reliable?

A5: All critical factory welds are inspected by UT nondestructive testing. We provide a welding inspection report for your project acceptance.

Q6: Is installation harder than a light steel building?

A6: Heavy steel members are heavier, so lifting equipment is required on site. The connection logic is still bolt assembly. We supply detailed erection sequence drawings and technical guidance for your local construction team.

Q7: Can I add new production lines or cranes later?

A7: If reserved in the original design, yes. If you want to upgrade crane tonnage or add heavy equipment later, we need to recheck the original structural capacity before modification.

宝都国际 BAODU INT'L **Baodu International Advanced Construction Material Co., Ltd.**

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