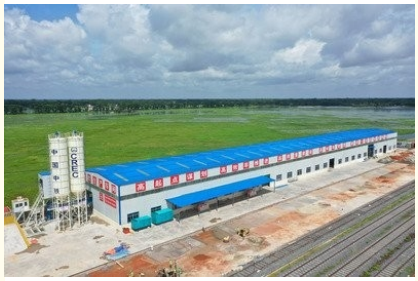
Strong Strength Steel Structure Housing Belt And Road Designated Processing Shed Workshop

Our Product Introduction

Basic Information

- Place of Origin: china
- Brand Name: INFINTE STARS
- Certification: CE/ISO9001/ISO45001/ISO14001
- Model Number: B
- Minimum Order Quantity: 7 Sets
- Supply Ability: 100t/day



Product Specification

- Material: Steel
- Sustainability: Eco-friendly
- Usage: Building Construction
- Name: Steel Structural Construction
- MOQ: 7 PCS
- Highlight: **Strong Strength Steel Structure Housing**, **Steel Structure Housing Belt And Road**, **Steel Structure Workshop Building**

More Images

for more products please visit us on prefabricated-containerhouses.com

Our Product Introduction

for more products please visit us on prefabricated-containerhouses.com

Product Description

Crafted from the finest quality steel, our structures are built to last. Each component is carefully selected and tested to ensure maximum strength and resilience, making them ideal for a wide range of applications, from commercial buildings to industrial facilities.

The versatility of our steel structures is unmatched. Whether you need a spacious warehouse, a sleek office building, or a residential complex, we can customize a solution that perfectly fits your needs. Our modular design allows for quick and efficient assembly, ensuring your project is completed on time and within budget.

But our steel structures are not just about strength and versatility. They are also designed with an eye for beauty. The sleek lines and clean finishes of our structures add a touch of elegance to any environment. Whether you're looking for a modern aesthetic or a more traditional look, we can help you create a steel structure that perfectly complements your vision.

At our company, we pride ourselves on providing exceptional customer service. Our team of experts is here to guide you through the entire process, from design to construction, ensuring that your project is completed to your satisfaction. We believe that a successful project is one that meets your needs, exceeds your expectations, and leaves you with a lasting impression.

Specification	Description
Material	High-grade steel alloy, with guaranteed tensile strength and ductility. Meets or exceeds international standards for structural steel.
Surface Finish	Hot-dip galvanized or painted with corrosion-resistant coatings to ensure long-term durability and protection against rust and weathering.
Connection Type	Bolted and welded connections, depending on the specific requirements of the structure. All connections are designed to meet or exceed the required load-bearing capacity.
Design Flexibility	Customizable design options to meet specific architectural and structural requirements. Supports a wide range of shapes, sizes, and configurations.
Sustainability	Steel is a highly recyclable material, with a low carbon footprint during production. Our manufacturing processes are optimized for energy efficiency and waste reduction.
Construction Speed	Prefabricated components allow for faster assembly on-site, minimizing construction time and costs. Modular design enables efficient installation.
Load-Bearing Capacity	Structures are designed to meet or exceed the required load-bearing capacity, including static, dynamic, and seismic loads.

Specification	Description
Fire Resistance	Steel structures have excellent fire resistance, with high melting points and low thermal conductivity. Fire-rated coatings can be applied for additional protection.
Sound and Thermal Insulation	Optional insulation materials can be incorporated into the design to provide soundproofing and thermal insulation, enhancing the comfort and efficiency of the structure.
Maintenance	Steel structures require minimal maintenance compared to other building materials. Regular inspections and maintenance checks can ensure the long-term integrity and performance of the structure.
Compliance	Structures are designed and manufactured in accordance with international standards and regulations, including but not limited to ASTM, AISC, and Eurocodes.

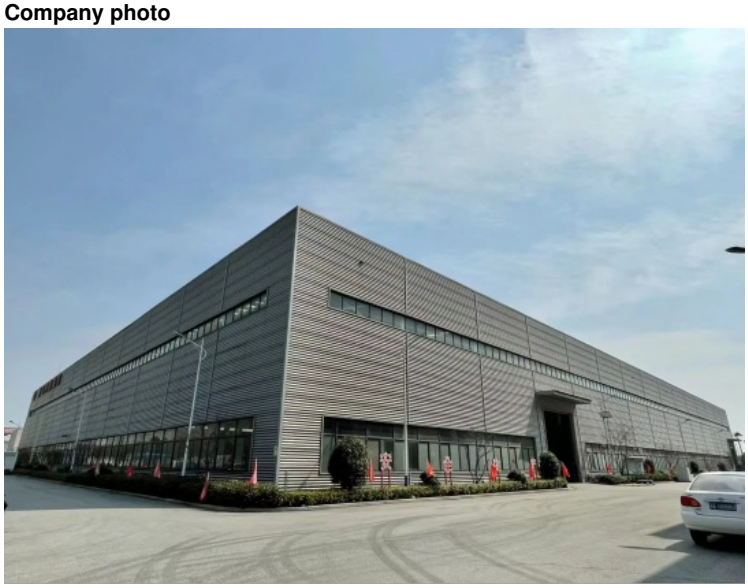
Company introduction

As a wholly-owned subsidiary of Wujiang Saima (established in 2005), Suzhou Stars Integrated Housing Co., Ltd. focuses on foreign trade. As one of the most professional prefabricated house manufacturers in south-east China, we provide customers with all kinds of integrated housing solutions.

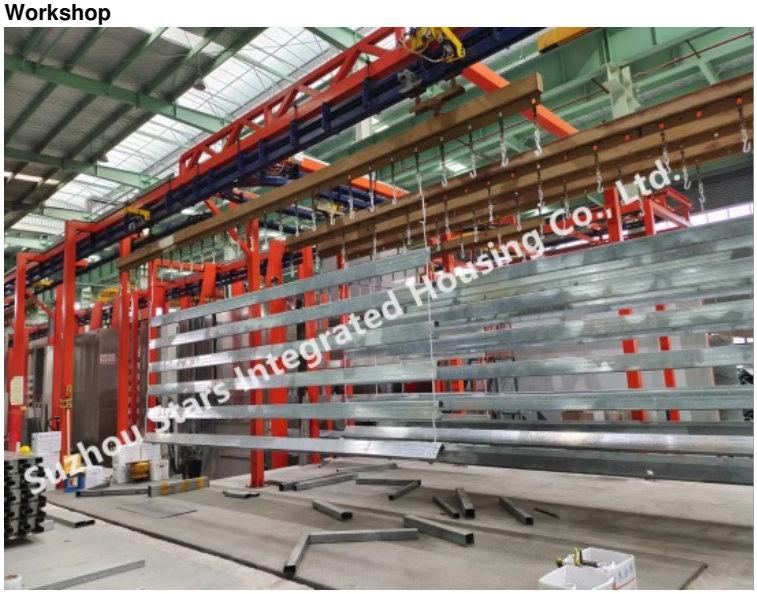
Equipped with complete production lines, including sandwich panel production machines and steel structure production line, with 5000 square meter workshop and professional staff, we already built long-term business with domestic giants like CSCEC and CREC. Also, based on our export experience in the past years, we are furthering our steps to global customers with best product and service.

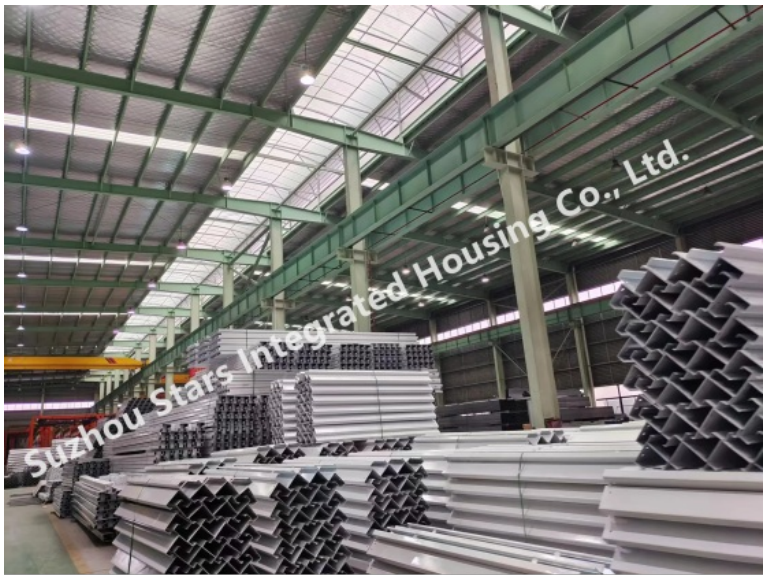
As a supplier to overseas customers all over the world, we are very familiar with the manufacturing standards of various countries, such as European standards, American standards, Australian standards, and so on. We have also participated in the construction of many large-scale projects, such as recent 2022 Qatar World Cup camping construction.

Company photo



Workshop





A steel structure workshop is a dedicated facility used for the manufacturing, processing, and assembly of steel structural components. It is typically equipped with advanced equipment, technology, and professional staff to meet the needs of various steel structure projects. Here are some key information and characteristics of a steel structure workshop:

Equipment and Technology:

Cutting equipment: such as flame cutters, plasma cutters, etc., used for precise cutting of steel plates and steel sections.
Welding equipment: including manual welding equipment, automatic welding equipment, semi-automatic welding equipment, etc., used for connecting steel structural components.
Forming equipment: like rolling mills, pipe bending machines, etc., used to process steel plates and steel sections into the desired shapes and sizes.
Drilling and punching equipment: for making holes in steel structural components, facilitating bolted connections and other purposes.
Inspection equipment: such as ultrasonic flaw detectors, X-ray flaw detectors, etc., used to detect welding quality and material defects.

Workflow:
Design phase: designing steel structure drawings and detailed drawings based on customer requirements and construction standards.
Material preparation: purchasing steel plates, steel sections, and other materials that meet the requirements, and conducting pretreatment such as rust removal and painting.
Processing and manufacturing: using various equipment to cut, form, weld, and otherwise process materials according to drawings and detailed drawings.
Quality inspection: conducting quality inspections on the processed steel structural components to ensure they meet the design requirements and quality standards.
Packaging and transportation: packaging the qualified steel structural components and arranging for transportation to the construction site.
Characteristics:
Flexibility: the steel structure workshop can be flexibly adjusted according to project needs to accommodate different scales and complexities of steel structure projects.
Efficiency: adopting advanced equipment and technology can improve processing efficiency and quality, shortening project cycles.
Environmental friendliness: focusing on environmental protection and sustainable development in material selection, processing processes, and waste disposal.
Safety: strictly complying with safety regulations and operating procedures to ensure the safety of staff and equipment.
Application Fields:
Construction engineering: structural systems for buildings such as factories, warehouses, stadiums, and exhibition halls.
Bridge engineering: bridge piers, bridge bodies, and other parts of highway bridges, railway bridges, pedestrian bridges, etc.
Ocean engineering: structural parts of offshore platforms, ships, marine facilities, etc.

Performance Parameter	Description	Example Value/Range
Span	Horizontal distance of the plant	10-30 meters
Column Grid Distance	Distance between columns	≤ 6 meters
Roof Pitch	Inclination angle of the roof	≥ 15 degrees (depending on regional rainfall)
Height	Total height of the plant	≤ 20 meters
Design Load	Load-bearing capacity per unit area	150-800 kg/cm²
Fire Resistance Class	According to building design fire safety code	Class I, Class II, Class III
Fire Resistance Time	Duration of exposure to high temperatures	Class I ≥ 2h, Class II ≥ 1h, Class III ≥ 0.5h
Earthquake Resistance Rating	Based on local seismic fortification intensity	8+ scale
Wind Resistance	Ability to resist typhoons	Resistance to typhoons with wind speeds up to 70 meters per second
Corrosion Resistance	Corrosion resistance of steel	Anti-corrosion treatment on steel surface
Wall Sound Insulation	Sound insulation effect of wall structure and materials	Brick wall, concrete, light steel keel gypsum board wall, etc.
Floor Sound Insulation	Sound insulation effect of floor structure	Design with support or cavity under the floor

Suzhou Stars Integrated Housing Co., Ltd.

+8615228076365 sales@szstarshouse.com prefabricated-containerhouses.com

NO.1 ZHUJIABANG VILLIAGE.ZHENZE TOWN,WUJANG,SUZHOU,CHINA