Prefabricated Steel Structural Construction Building Special Shaped

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

- Design Options: Versatile
- Material: Steel
- Sustainability: Eco-friendly
- Corrosion Resistance: Excellent
- Type: Structural
- Usage: Building Construction
- Installation: Easy
- Name: Steel Structural Construction
- MOQ: 7 PCS
- Highlight: **Prefabricated Steel Structural Construction**, **Steel Structural Building Special Shaped**, **Prefabricated Steel Construction**

More Images

Our Product Introduction

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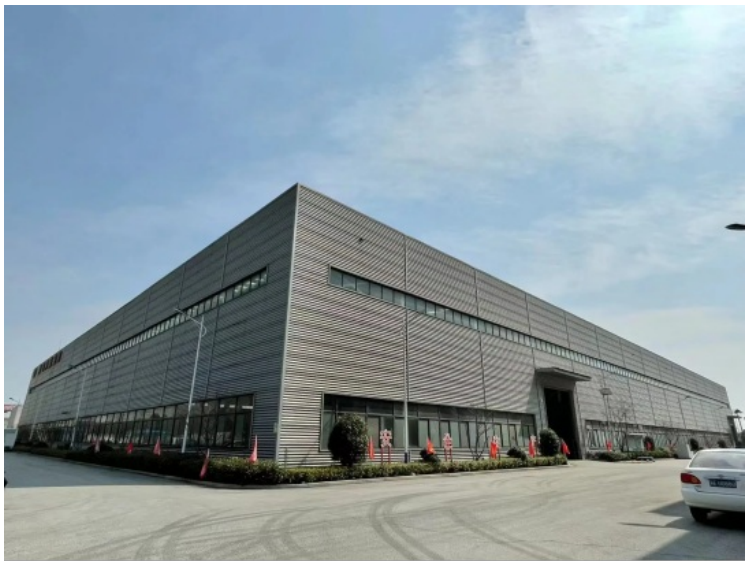
Product Description

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:
E quipment 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

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

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