

European Style Double Girder Overhead Crane

Original link: <https://www.globalweihua.com/products/overhead-crane/european-style-double-girder-overhead-crane/>



The image shows a European Style Double Girder Overhead Crane. The crane is painted yellow and features a blue hoist unit. It has a single support leg with a red wheel. The crane is mounted on a yellow lattice-boom-style trolley. The background is a yellow bar at the top with various certification logos: CE, CNAS, ISO, and SGS. The bottom is a red bar with the Weihua logo and the text 'Weihua Crane'.

European Style Double Girder Overhead Crane

The European Style Double Girder Overhead Crane is a high-performance, energy-efficient lifting solution engineered in compliance with strict European industrial standards. Designed for heavy-duty material handling in various industrial environments, this [overhead crane](#) integrates advanced structural design, precise control systems, and reliable safety mechanisms. Its double-girder structure provides superior load-bearing capacity and stability, making it ideal for lifting large and heavy workpieces with high precision. Compared to traditional overhead cranes, the European style design features a more compact structure, lighter weight, and lower energy consumption, effectively reducing the overall operating costs for enterprises while improving production efficiency.

European Style Double Girder Overhead Crane Core Advantages



European Style Double Girder Overhead Crane

1. Advanced Structural Design

Adopting a optimized box-type double girder structure, the crane is fabricated with high-quality Q355B steel plates through precise welding and heat treatment processes. This ensures excellent structural rigidity and fatigue resistance, enabling the crane to withstand long-term heavy-load operations without deformation. The compact design reduces the headroom requirement, maximizing the utilization of factory space. Additionally, the lightweight design of the trolley and girder minimizes the impact on the factory building structure, lowering the construction cost of the workshop.

2. High Precision & Efficient Operation

Equipped with a high-precision frequency conversion control system, the crane achieves stepless speed regulation for lifting and traveling movements. This allows for smooth and stable operation, avoiding sudden starts or stops that may damage the lifted materials. The

crane's traveling mechanism adopts high-quality European standard reducers, motors, and brakes, ensuring precise positioning and high operating efficiency. The lifting mechanism is equipped with a high-performance hoist with a compact structure and large lifting capacity, which can complete lifting tasks quickly and accurately.

3. Comprehensive Safety Protection

Safety is the top priority in the design of this European style double girder overhead crane. It is equipped with multiple safety protection devices, including overload protection, overtravel protection, emergency stop, voltage loss protection, and anti-collision devices. The overload protection device can automatically cut off the power when the lifting load exceeds the rated capacity, preventing structural damage and accidents. The overtravel protection device ensures that the [crane hook](#) does not exceed the upper and lower limit positions, avoiding mechanical failures. The emergency stop button allows the operator to stop the crane immediately in case of an emergency, ensuring the safety of personnel and equipment.

4. Easy Maintenance & Long Service Life

The crane is designed with maintenance convenience in mind. Key components such as reducers, motors, and bearings are easily accessible, reducing the difficulty and time of maintenance. All wearing parts are standardized, making replacement convenient and cost-effective. The surface of the crane is treated with anti-corrosion painting, which enhances its resistance to harsh industrial environments such as humidity, dust, and corrosion, extending the service life of the crane.

European Style Double Girder Overhead Crane Technical Parameters

Technical Parameter	Range/Specification	Remarks
Rated Lifting Capacity	10t - 125t	Customizable for special requirements
Span (S)	12m - 35m	Precision manufacturing for different applications
Lifting Height (H)	8m - 40m	Adjustable based on factory height
Lifting Speed (Empty/Loaded)	0.8/0.2 m/min - 12/3 m/min	Frequency conversion stepless speed
Crane Travel Speed	15m/min - 45m/min	Dual-speed optional
Trolley Travel Speed	8m/min - 25m/min	Dual-speed optional
Duty Cycle	A5 - A8	Suitable for heavy-duty continuous operation
Power Supply		Compliant with global regional standards

	380V/50Hz/3Ph, 400V/50Hz/3Ph, 480V/60Hz/3Ph	
Control System	Wireless Remote Control, Cabin Control, PLC Control	Optional according to operation need
Overall Height (Min.)	1200mm - 2800mm	Compact design saves headroom

European Style Double Girder Overhead Crane With Electric Hoist

This European Style Double Girder Overhead Crane is equipped with a high-performance electric hoist as the core lifting component. The matching [electric hoist](#) adopts European standard design, featuring compact structure, high lifting efficiency and reliable operation. It is perfectly integrated with the double girder frame and the precision control system of the crane, which further enhances the overall stability and positioning accuracy of the lifting operation. The electric hoist is equipped with independent safety protection mechanisms such as overload limiter and brake, forming a double safety guarantee with the crane's overall safety system, effectively ensuring the safety of heavy-load lifting tasks.

Application Scenarios

The European Style Double Girder Overhead Crane is widely used in various industrial fields that require heavy-duty and high-precision material handling, including:

- Automotive Manufacturing: Lifting and assembling auto parts, body-in-white, and engines.
- Metallurgical Industry: Handling steel ingots, coils, and finished steel products in steel mills and foundries.
- Machinery Processing: Lifting and moving large machine tools, workpieces, and molds in machining workshops.
- Warehousing & Logistics: Loading and unloading heavy goods in large warehouses, ports, and logistics centers.
- Energy Industry: Handling equipment and materials in power plants, wind power equipment manufacturing factories, and nuclear power plants.
- Aerospace: Precision handling of aerospace components and equipment.

Quality Assurance & After-Sales Service

Our European Style Double Girder Overhead Cranes are manufactured in strict accordance with ISO9001 quality management system standards. All key components are sourced from well-known international brands to ensure product reliability. Each crane undergoes rigorous testing before leaving the factory, including load testing, performance testing, and safety testing, to ensure it meets the design requirements and industrial standards.

We provide comprehensive after-sales services, including on-site installation and commissioning, operator training, regular maintenance, and technical support. Our professional after-sales team is available 24/7 to solve any problems encountered during the operation of the crane, ensuring the continuous and stable operation of your equipment.

Customization Service: We can provide customized European Style Double Girder Overhead Crane solutions according to your specific needs, including lifting capacity, span, lifting height, control mode, and special environmental adaptability (such as high temperature, corrosion, explosion-proof).

(注：文档部分内容可能由 AI 生成)