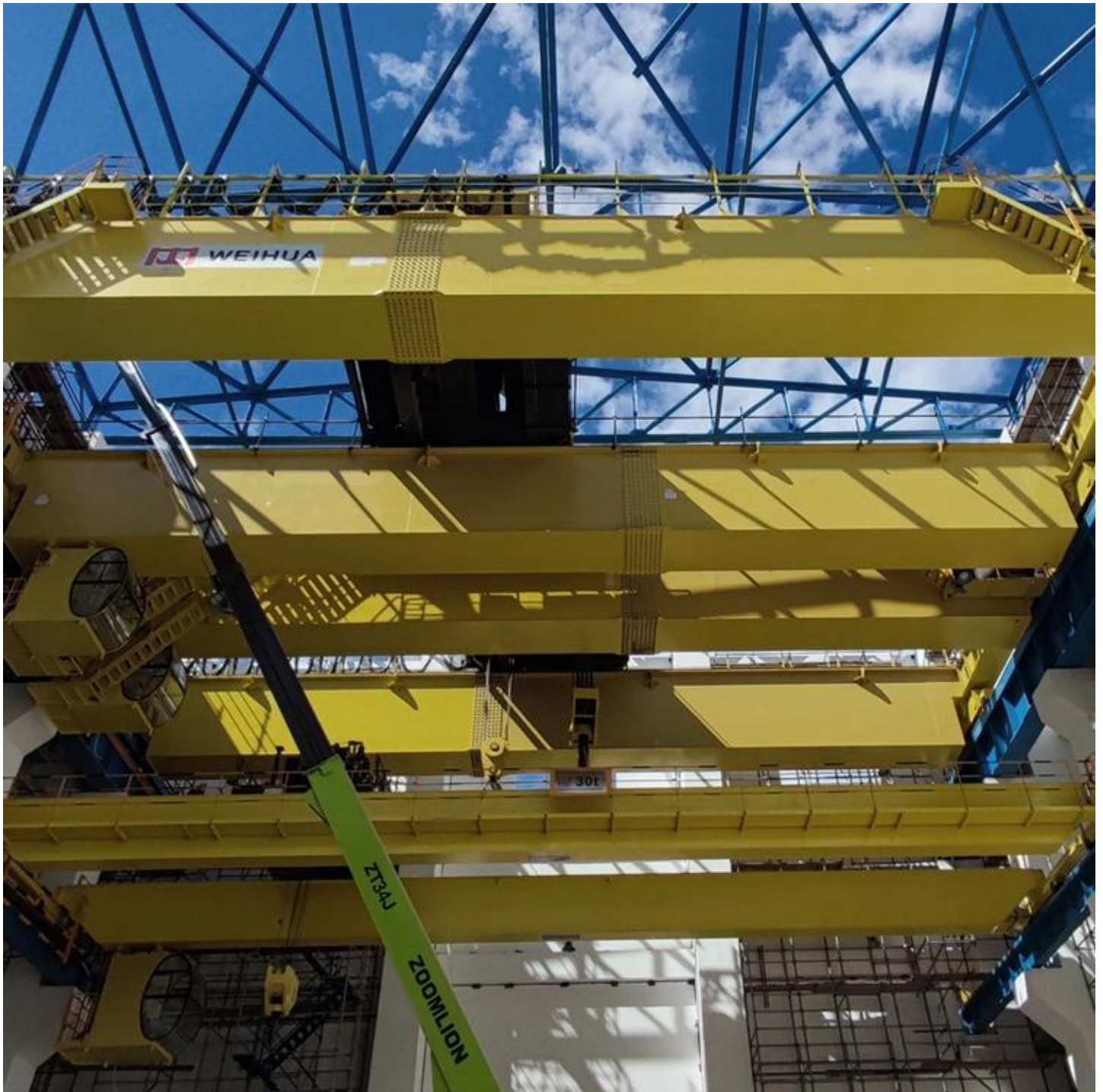


50 MT Double Girder EOT Crane - Product Details

Original link: <https://www.globalweihua.com/products/overhead-crane/50-mt-double-girder-eot-crane/>



The 50 MT Double Girder Electric Overhead Traveling (EOT) Crane is a heavy-duty material handling solution engineered for demanding industrial applications. Designed to lift and

transport loads up to 50 metric tons with exceptional stability and precision, this crane is widely recognized as a cornerstone equipment in sectors requiring efficient and reliable heavy lifting. Its double girder structure provides superior load-bearing capacity compared to single girder cranes, making it ideal for handling large, bulky, or heavyweight items in diverse working environments.

50 MT Double Girder EOT Crane Core Features

- **Robust Double Girder Structure:** The crane features two parallel main girders fabricated from high-quality low-alloy structural steel (Q355B or equivalent), which undergoes precise welding and heat treatment to ensure maximum strength, rigidity, and resistance to deformation under heavy loads. The box-type girder design optimizes weight distribution, reducing stress on the crane runway and enhancing overall operational safety.
- **High-Efficiency Hoisting Mechanism:** Equipped with a heavy-duty hoisting winch driven by a high-torque AC motor and a precision planetary gearbox, the crane delivers smooth and efficient lifting operations. The hoisting speed is adjustable (typically 0-8 m/min for heavy loads and 0-16 m/min for light loads) to meet different working requirements, while the high-quality wire rope (with 6×37+FC structure) and safety hook ensure reliable load handling.
- **Precise Traveling System:** Both the long travel (crane movement along the runway) and cross travel (trolley movement along the girders) systems are equipped with frequency inverters for stepless speed regulation. This allows for smooth start, stop, and position adjustment, minimizing load sway and improving operational accuracy. The traveling wheels are made of forged steel with quenched surfaces, ensuring wear resistance and long service life.
- **Advanced Control System:** The crane is controlled by a user-friendly pendant station with ergonomic buttons, or an optional wireless remote control for enhanced operator flexibility and safety. The control cabinet integrates PLC (Programmable Logic Controller) and frequency conversion technology, enabling intelligent control, fault diagnosis, and overload protection. The system also supports data communication with the factory's central control system for remote monitoring and management.
- **Comprehensive Safety Devices:** Safety is a top priority in the design of this crane. It is equipped with multiple safety features, including overload limiter (prevents lifting loads exceeding the rated capacity), upper and lower limit switches for hoisting (prevents overtravel of the hook), limit switches for long and cross travel (prevents crane or trolley from colliding with end stops), emergency stop button (immediately cuts off power in case of emergency), and anti-collision device (for multi-crane working environments).

50 MT Double Girder EOT Crane Technical Specifications

Parameter	Specification
Rated Lifting Capacity	50 MT
Span (Crane Runway Distance)	10 - 30 m (customizable)
Lifting Height	6 - 30 m (customizable)
Hoisting Speed (Empty/Loaded)	0-16 m/min / 0-8 m/min
Cross Travel Speed	0-20 m/min
Long Travel Speed	0-40 m/min
Working Class	A5 - A7 (according to FEM standard)
Power Supply	380V / 50Hz / 3Phase (customizable for different regions)
Control Mode	Pendant Control / Wireless Remote Control

50 MT Double Girder EOT Crane Application Areas

The 50 MT Double Girder EOT Crane is widely used in various heavy industries due to its excellent load-bearing capacity and operational performance. Typical application scenarios include:

- **Steel Mills:** Handling steel ingots, coils, plates, and finished steel products during smelting, rolling, and processing.
- **Shipyards:** Lifting and installing ship components, engines, and heavy equipment during shipbuilding and repair.
- **Heavy Machinery Manufacturing:** Assembling large machinery parts, such as turbines, generators, and presses.
- **Power Plants:** Maintaining and replacing heavy equipment like boilers, generators, and transformers.
- **Port and Logistics Terminals:** Loading and unloading heavy containers, machinery, and bulk materials from ships and trucks.
- **Mining and Metallurgy:** Transporting ore, concentrates, and smelted products in mining and metallurgical plants.

50 MT Double Girder EOT Crane Advantages

- **Superior Load-Bearing Capacity:** The double girder structure ensures stable lifting of heavy loads up to 50 MT, meeting the demands of heavy-industry applications.
- **High Operational Efficiency:** Adjustable speed control and precise positioning reduce handling time and improve work efficiency.
- **Enhanced Safety:** Multiple safety devices and intelligent control system minimize operational risks and ensure safe working environment.
- **Durable and Reliable:** High-quality materials and precision manufacturing ensure long service life and low maintenance costs.
- **Customizable Design:** Span, lifting height, control mode, and power supply can be customized according to specific customer requirements.

About WEIHUA Group - Leading Wholesale Double Girder Overhead Crane Exporter:

Founded in 1988, WEIHUA Group has grown into the largest industrial crane manufacturer in China and the second-largest globally. As a professional wholesale exporter of double girder overhead cranes, the group boasts 4 modern manufacturing bases, 6 factories, and 7 R&D centers, with an annual production capacity of over 2,900 double girder cranes (8 units offline daily on average). Its products are exported to more than 170 countries and regions, covering over 80% of the "Belt and Road" initiative-participating nations. WEIHUA has established a global supply chain alliance, including overseas factories, parts centers, and marketing service systems across Europe, the Americas, Oceania, the Middle East, Africa, and Southeast Asia. With its status as a "Manufacturing Single Champion Demonstration Enterprise" and recognition in the "Top 500 Chinese Manufacturing Enterprises" list, WEIHUA provides reliable wholesale double girder overhead crane solutions for global customers in industries like energy, metallurgy, and shipbuilding.

After-Sales Service

We provide comprehensive after-sales service to ensure the smooth operation of your 50 MT Double Girder EOT Crane, including: professional installation and commissioning by experienced engineers, technical training for operators and maintenance personnel, regular maintenance and inspection services, and prompt supply of spare parts. Our 24/7 customer service hotline ensures that any problems you encounter are resolved in a timely manner.

(注：文档部分内容可能由 AI 生成)