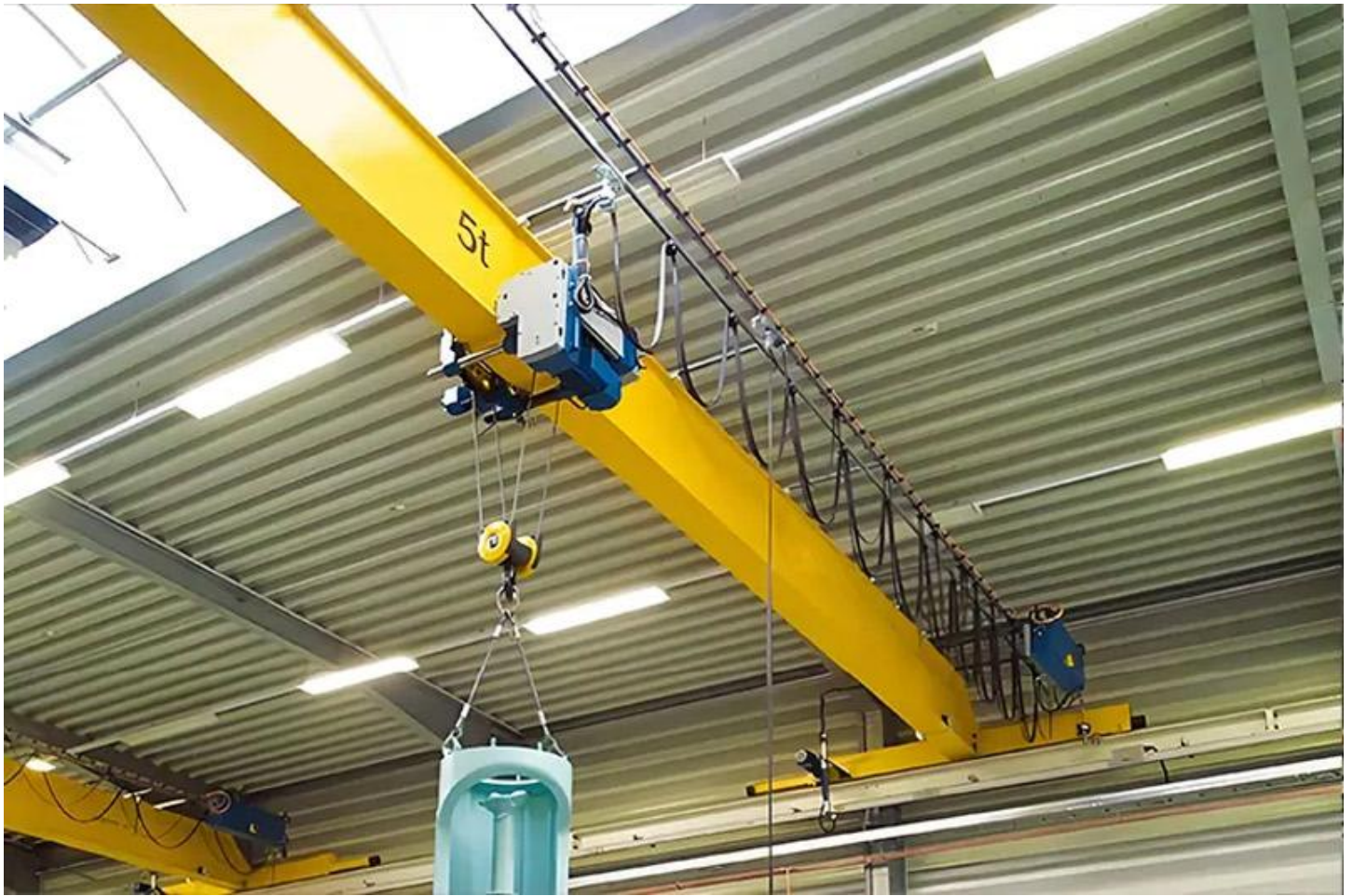


Electric Single Girder Crane With Electric Hoist

Original link: <https://www.globalweihua.com/products/overhead-crane/electric-single-grider-crane-with-electric-hoist/>



Electric Single Girder Crane

What is an Electric Single Girder Crane?

An electric single girder crane is a type of [overhead crane](#) consisting of a single main girder, end carriages, electric hoist (lifting mechanism), and electrical control system. It operates on overhead rails, enabling horizontal and vertical movement of goods within a fixed workspace. Compared with double girder cranes, the electric single girder crane is more compact in structure, lighter in weight, and occupies less space, which is especially suitable for workshops, warehouses, and factories with limited space and medium or low lifting capacity requirements. With the advantages of energy saving, low noise, and simple maintenance, it has become the preferred material handling equipment in many industries.

Key Advantages of Our Electric Single Girder Crane



Electric Single Girder Crane With Electric Hoist

- **Superior Energy Efficiency & Cost Savings:** Our electric single girder crane is integrated with an advanced variable frequency drive (VFD) system and high-efficiency IE3/IE4 motors. This combination achieves smooth stepless speed adjustment, minimizing energy waste during start-up and operation. Compared to traditional cranes, it reduces power consumption by up to 20-30%, significantly lowering long-term operational costs for your business.
- **Reliable Safety Assurance System:** Crafted with high-strength Q235B steel main girder, the crane undergoes precision welding, non-destructive testing, and stress relief treatment to ensure structural integrity. It is equipped with a comprehensive safety package, including overload protection, upper/lower limit switches, anti-collision devices, emergency stop function, and earth leakage protection. All safety components comply with international standards (EN 13001, GB/T 3811) to safeguard operators and valuable cargo.

- **Compact Design for Space Optimization:** The single-girder configuration features a low headroom design, which maximizes the usable vertical space of your workshop or warehouse. With a lightweight yet robust structure, it requires less overhead clearance and runway support, making it an ideal choice for existing facilities renovation or buildings with limited space constraints.
- **Intuitive Operation & Low Maintenance:** The crane comes with two flexible control options: a ergonomic pendant controller with clear buttons and a long-range wireless remote control (up to 100m effective distance). Both designs enable operators to control lifting, traversing, and trolley movement effortlessly from a safe position. Additionally, key components (hoist, reducer, motors) are modularized and easily accessible, simplifying daily inspections and maintenance, and extending the equipment's service life.
- **Highly Customizable for Diverse Needs:** We offer full customization to match your specific application requirements. Available options include lifting capacity (0.5t-32t), span (5m-30m), lifting height (3m-40m), control mode, and special adaptations for harsh environments (high temperature, dust, corrosion, explosion-proof). Whether for light-duty warehouse stacking or medium-duty manufacturing transfer, we can tailor the crane to your exact operational needs.

Application Scenarios of Electric Single Girder Crane

Due to its excellent performance and flexible applicability, our electric single girder crane is widely used in various industries and scenarios:

- **Manufacturing Industry:** Used for lifting and transferring raw materials, semi-finished products, and finished products in auto parts factories, electronic component factories, machinery processing plants, and hardware factories.
- **Warehousing & Logistics:** Applied in warehouses, logistics centers, and freight yards for loading, unloading, and stacking goods, improving the efficiency of warehousing operations.
- **Metallurgical Industry:** Suitable for auxiliary lifting operations in non-ferrous metal smelting workshops and steel processing workshops (with special high-temperature and corrosion-resistant designs available).
- **Construction Industry:** Used for lifting building materials (steel bars, cement, equipment) in construction sites and prefabricated component factories.
- **Chemical Industry:** Applied in chemical warehouses and workshops for lifting non-flammable and non-explosive chemical raw materials (with explosion-proof design available for special requirements).
- **Other Scenarios:** Schools, research institutes, and mining areas for experimental equipment lifting and light material handling.

Technical Parameters of Electric Single Girder Crane

Parameter	Specification
Rated Lifting Capacity	0.5t - 32t
Span	5m - 30m (Customizable)
Lifting Height	3m - 30m (Customizable)
Lifting Speed	0.8m/min - 8m/min (Stepless speed regulation optional)
Running Speed	20m/min - 40m/min (Stepless speed regulation optional)
Power Supply	380V/50Hz (Customizable according to regional standards)
Control Mode	Pendant Control / Wireless Remote Control
Working Class	A3 - A5
Main Girder Material	Q235B Steel

Why Choose Our Electric Single Girder Crane?

With years of experience in the research, development, and production of lifting equipment, we have established a complete quality control system from raw material procurement to product delivery. Our electric single girder cranes have passed ISO9001 quality management system certification, CE certification, and other international authoritative certifications, ensuring that each product meets the highest industry standards.

In addition, we provide comprehensive after-sales services, including on-site installation and commissioning, operator training, regular maintenance, and 24/7 technical support. No matter what problems you encounter in the process of use, our professional team will respond quickly and provide you with reliable solutions.

Contact Us for Your Electric Single Girder Crane Solution

If you are looking for a high-quality, efficient, and cost-effective electric single girder crane, please feel free to contact us. Our sales team will provide you with personalized product recommendations and detailed quotations based on your specific needs. Let us work together to improve your material handling efficiency and create more value for your business!

（注：文档部分内容可能由 AI 生成）