

HD Model Single Girder Overhead Crane



Yuantai Crane Machinery

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Overview

HD model European-spec single girder overhead crane is designed according to FEM / DIN standard, with optimization design concepts of small dimension and light dead weight.

Compared with traditional single girder overhead crane, European-spec single girder overhead crane has the advantages of minimum limiting distance from hook to wall, lower headroom and higher lifting height.

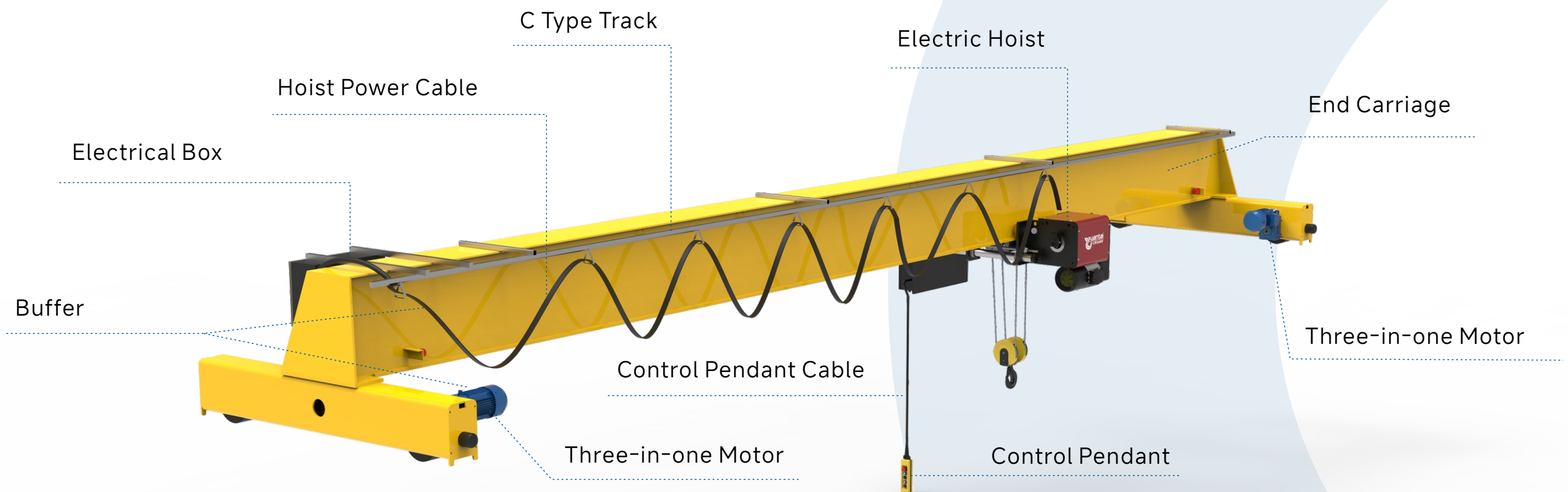
With these features, the European-spec single girder overhead crane could provide the workplace with more effective working space. As a result, the workplace could be designed in a smaller scale without compromising crane functions. In addition, the wheel pressure is also decreased because the dead weight is smaller. A huge amount of money could be saved from the initial construction investment, to other maintenance expenses.

In a word, European-spec single girder overhead crane is recommendable when client's budget allows and when client requirements to the crane's working efficiency.

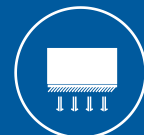
- ◎ Design is based on FEM / DIN standards.
- ◎ With optimizing design and low headroom, the crane height is greatly reduced, to achieve higher lifting height under the same plant height.
- ◎ With optimizing design and low wheel pressure, the crane height is greatly reduced, to achieve greater lifting capacity weight under the same strength of the workshop.
- ◎ Crane is controlled by Three-In-One mechanism with frequency conversion, to reduce the equipment noise.
- ◎ Overload limiter, height limiter, Stroke limiter, photoelectric limiter and other security measures are equipped according to different working conditions, crane black box with recorded analysis functions can be added based on the customer requirements.
- ◎ Customized crane can be produced.

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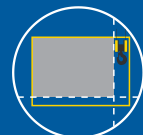
Components



Modularization
Design



Light Weight



Increase
Working Area



Low-energy



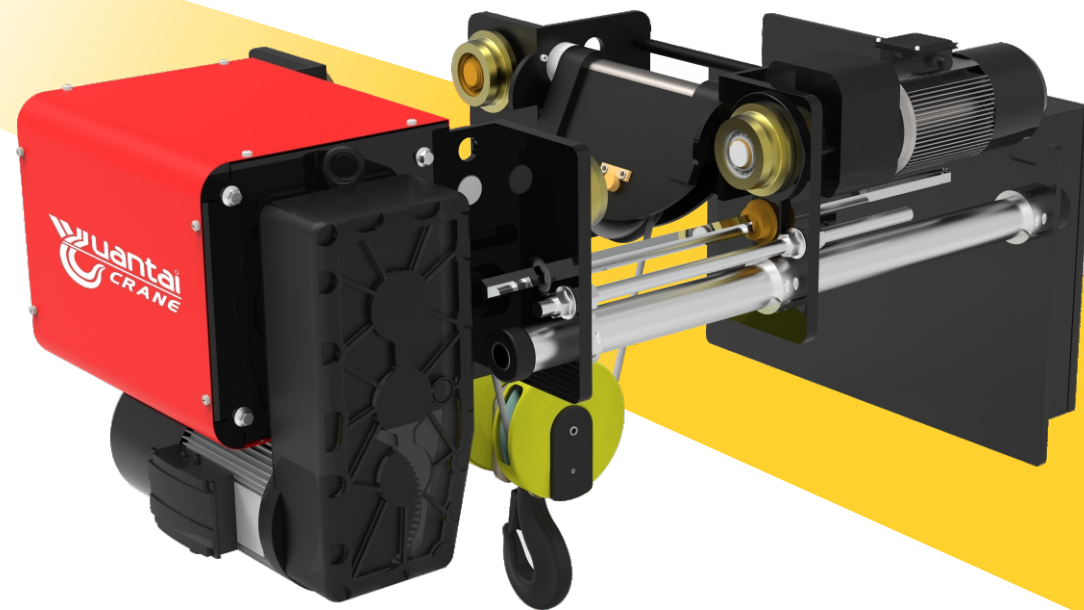
Maintenance
-free



Reduce Cost

HD Model Single Girder Overhead Crane

Supply Scope



Features	Specifications
Capacity	Up to 20 tons
Lifting Height	6/9/12/15/18 meters
Span	3-28.5 meters
Power Supply	220-660V 50/60Hz 3Phase
Girder Design	Box type
Temperature	-20~+40°C



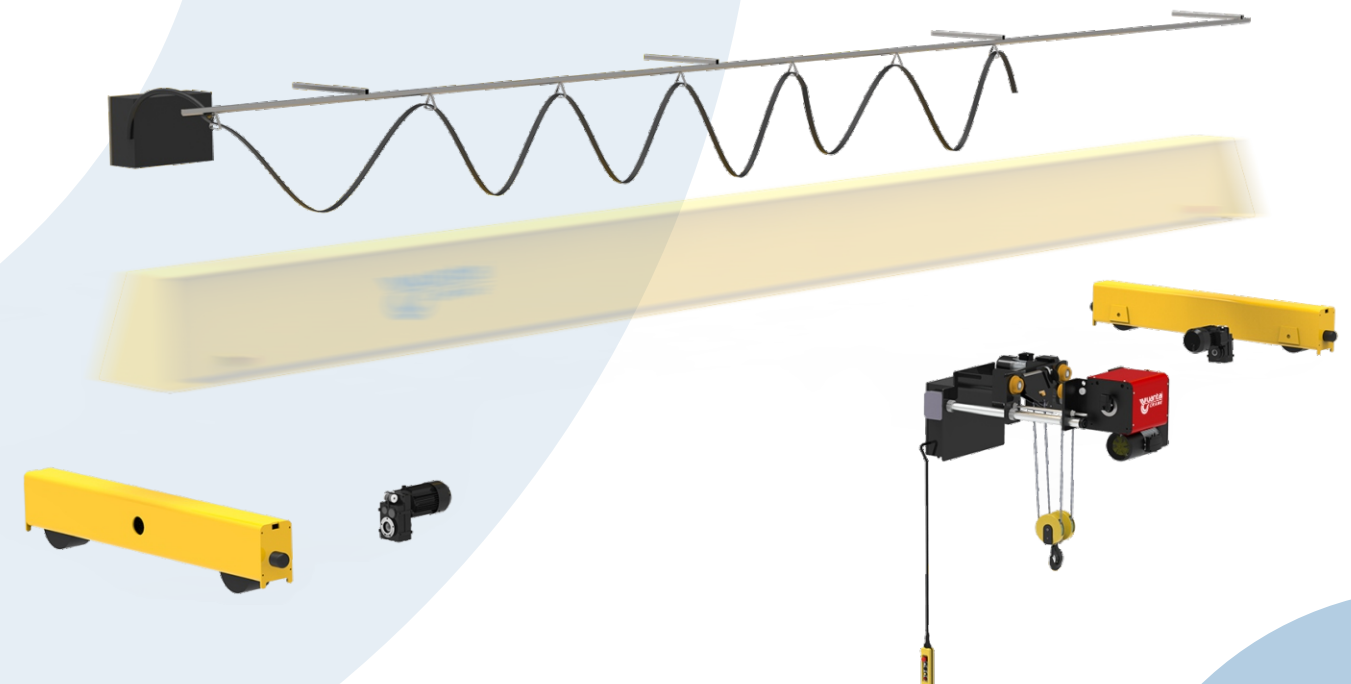
Note: For non-standard specifications, please talk to your sales representative for consultation on customized product service.

Crane Kits are Available

In addition to providing a complete set of crane equipment, we also provide crane kits except for the main beam.

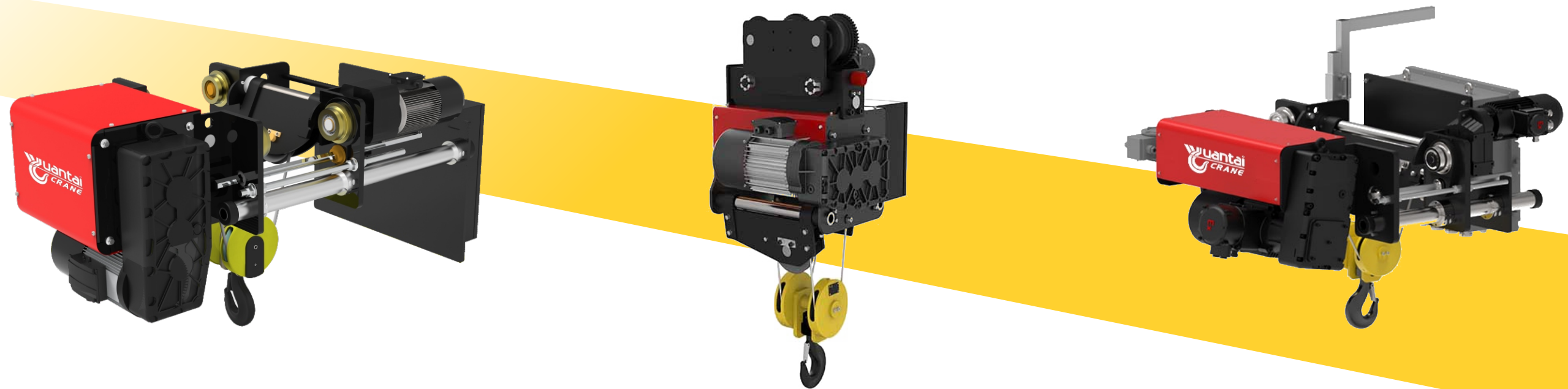
With the growth of the global economy and the development of manufacturing industries in various countries, more and more customers prefer to buy crane kits instead of complete crane systems. They have the ability to produce the main beam locally according to the drawings, which can effectively help them to save high freight costs and greatly improve delivery time.

- ⦿ Electric Hoist
- ⦿ End Carriages
- ⦿ Electrical Box (system)
- ⦿ Electric Cable
- ⦿ C type Track System



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Hoist Options



NR Low Headroom Electric Hoist

NR type low headroom electric hoist has modular design and low headroom features, which can maximize the working height and expand the working area under the crane.

Capacity: 3-20 tons

NRS Standard Headroom Electric Hoist

NRS type standard headroom electric hoist also adopts modular design, but it is equipped with independent running trolley. It is recommended for capacity of 16 tons and above, or when the track is curved.

Capacity: 3-20 tons

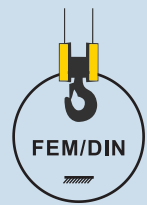
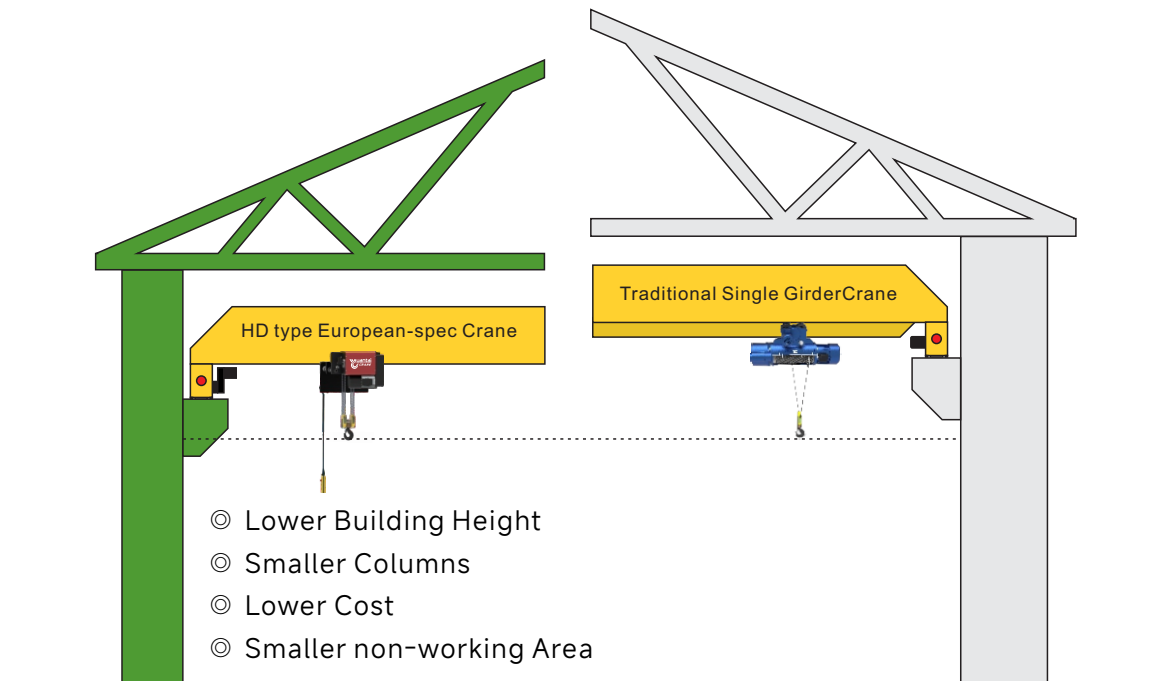
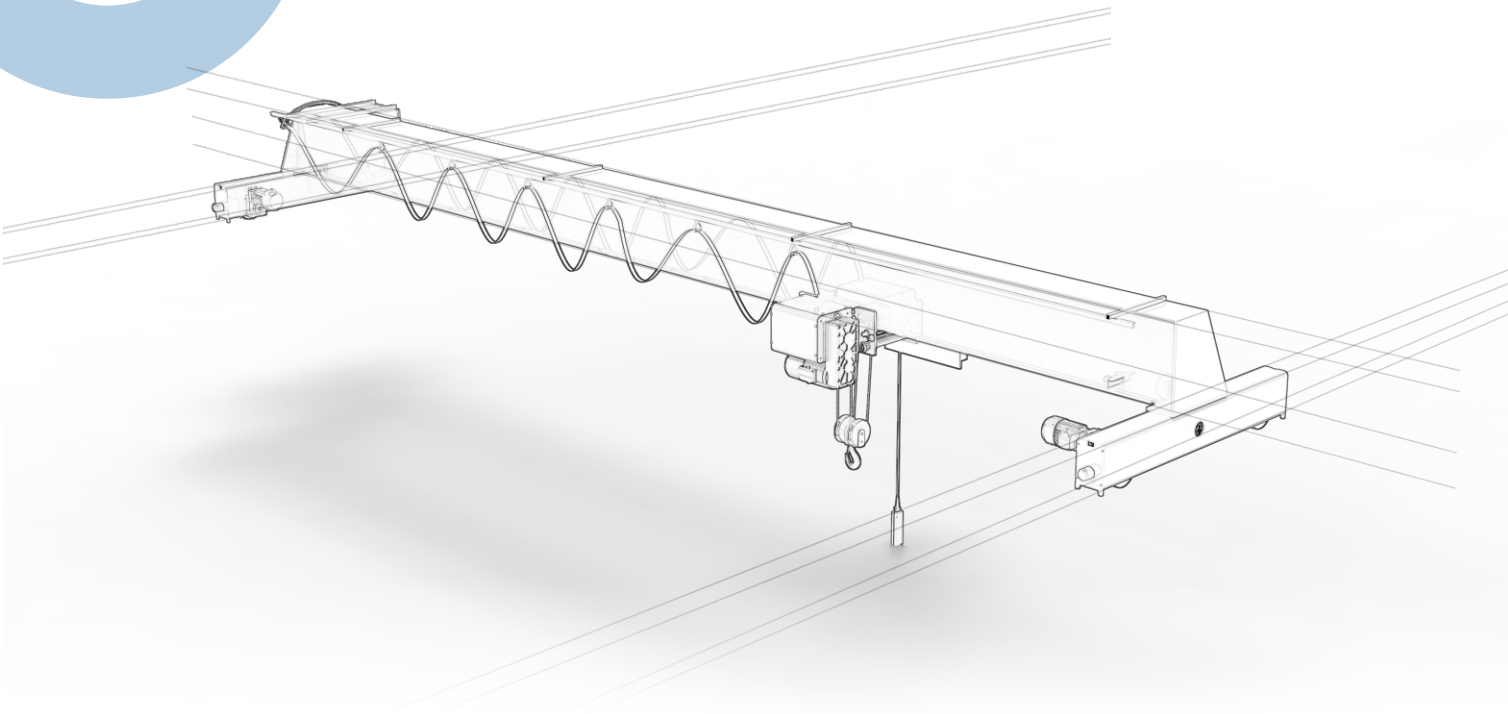
BNR Explosion-proof Electric Hoist

BNR type explosion-proof low headroom electric hoist is specially designed for flammable and explosive environments and has excellent explosion-proof performance. It is the main lifting mechanism for explosion-proof bridge cranes, gantry cranes and jib cranes, which can maximize the lifting height.

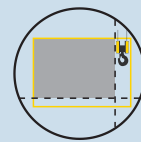
Capacity: 3-20 tons

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Advantages



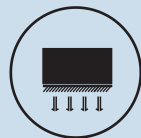
Modularization
design



Increase
Working Area



Maintenance
-free



Light Weight



Low-energy



Reduce Cost

- ◎ Green intelligent manufacturing, modular design, compact and beautiful structure, 20%-30% * reduction in weight.
- ◎ Low headroom, the height is reduced by 20% -30%*, reducing plant construction costs, increase the effective use of space workshop.
- ◎ Energy saving and environmental protection (power saving), full vehicle frequency conversion, energy consumption reduced by 15%-30%*.
- ◎ Safe and reliable, adopts safety monitoring, low noise, low maintenance cost and convenient and little maintenance.

* The data is compared with traditional single girder overhead crane.

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Crane Cases



HD Model Single Girder Overhead Crane

HD-5ton for Panama and Lebanon



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Service



Design & Manufacture

Yuantai always focuses on the design and development of cranes and electric hoists to better provide customers with intelligent handling equipment and improve efficiency. We accept the design and manufacture of standard and tailor-made products.

Installation & Debugging

One of services of Yuantai Crane Machinery is that our engineers are overseas service available.

When received crane and hoist, if the customer needs to install, we can arrange for the engineer to provide installation and debugging services.

Safe operation & Training

When finished commissioning, engineers will train the operator's correct operation methods and precautions, training service include:

- ◎ Hoist equipment safety operation procedures;
- ◎ Daily maintenance and repair;
- ◎ What are the common faults in training and solutions?
- ◎ How to replace the consumables (such as: rope guide, overload limit, limit, etc.)

Technical & Parts support

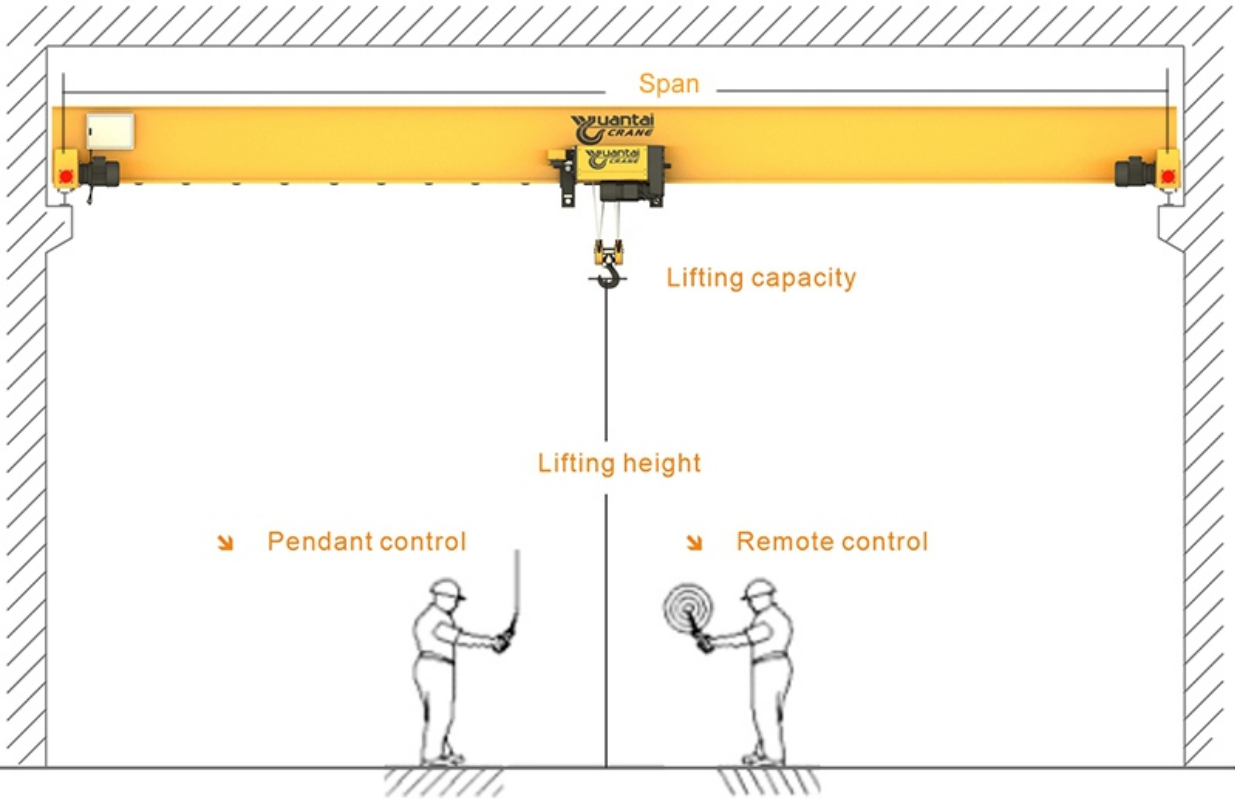
Our genuine spare parts reduce maintenance requirements and ensure that our products are reliable, long lasting and continuously usable. Genuine spare parts are perfect for our products and fully meet the needs of our customers.

Yuantai is always ready to provide technical support to you. Yuantai has a group of specialists, related to material handling equipment design, production, installation and maintenance, etc.

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Tailor Your Crane

Notes



Capacity	tons		
Lifting Height	meters		
Span	meters		
Power Supply	V	Hz	3Phase
Temperature	°C		
Condition	☐ Regular ☐ Flammable and explosive		
Control Mode	☐ Pendant control ☐ Remote control		

